

STAFF REPORT

Date: November 12, 2020

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consulting Agreement with Jacobs Engineering Group Inc. (Jacobs) for Consulting Engineering Services for the Truckee Meadows Water Reclamation Facility (TMWRF) Effluent Reuse Pump Station Rehabilitation Project in the amount of \$636,434 with Reno's share being \$436,784.65 (Sewer Fund).

From: Matt Smith, Associate Civil Engineer

Summary: The attached scope of work with Jacobs will provide engineering design services for the Truckee Meadows Water Reclamation Facility (TMWRF) Effluent Reuse Pump Station Rehabilitation Project. This rehabilitation effort will include hydraulic surge protection equipment, a new pump station above-ground building, installation of electrical equipment, and repairs to existing infrastructure as deemed necessary. Staff recommends Council approve the Agreement for Consultant Services with Jacobs for design and professional engineering services as described in the attached proposal in an amount not to exceed \$636,434 (Reno's share being \$436,784.65 from the Sewer Fund).

Background: Reuse of treated effluent at TMWRF is directly related to the discharge permit and, in effect, directly related to the capacity of the plant. The offset of treated effluent utilized as reuse for non-potable applications is realized as additional capacity for the TMWRF, which is critical for compliance with the TMWRF's NDEP discharge permit. Currently, the existing pump station is not up to electrical codes, and has no hydraulic surge protection should a power outage occur. Furthermore, the pump station equipment is not readily accessible for maintenance and TMWRF staff is required to hire outside contractors to perform any routine maintenance on the pump station equipment.

Continued use of the pump station without improvements will result in pump and motor failure, continued safety hazards, and will necessitate more frequent and costly repairs and replacement of equipment inside the pump station.

Discussion: The design scope outlines the preparation of detailed design and bid documents for the recommended new building with equipment servicing capabilities, hydraulic surge protection, and electrical upgrades to meet current electrical codes. The scope of work tasks, as detailed in the attached agreement, include development of construction plans, specifications and bid documents, opinion of probable construction costs, and bidding support services. Jacobs 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. The project is included in the TMWRF Capital Improvement Plan approved by the TMWRF Joint Coordinating Committee (JCC).

Table 1 – Cost Sharing Between Reno and Sparks

Total Cost of Contract	Reno Share	Sparks Share
\$636,434	\$436,784.65	\$199,649.35
Percentages	68.63%	31.37%

Legal Implications: Legal review has been completed for compliance with City procedures and Nevada Law.

Recommendation: Staff recommends Council approve the Agreement for Consultant Services with Jacobs Engineering Group, Inc. for design and professional engineering services as described in the attached proposal in an amount not to exceed \$636,434 (Reno's share being \$436,784.65 from the Sewer Fund), and authorize the Mayor to execute the attached Agreement.

Proposed Motion: I move to approve the staff recommendation.

Attachments: