

STAFF REPORT

Date: May 2, 2018

To: Mayor and City Council

Thru: Sabra Newby, City Manager

Subject: Staff Report (For Possible Action): Approval of Consulting Agreement with Brown and Caldwell (B&C) for Engineering Services for the Truckee Meadows Water Reclamation Facility (TMWRF) Digester #2 and #5 Cover Rehabilitation Project in an amount of not to exceed \$266,732 with Reno's share being \$183,058.17 (Sewer Fund).

From: David Kershaw, Associate Civil Engineer

Summary: The attached scope of work with Brown and Caldwell will provide engineering design services for the Truckee Meadows Water Reclamation Facility (TMWRF) Digester #2 and #5 Cover Rehabilitation Project. This rehabilitation effort will include final design for rehabilitation of Digester #2 steel cover and exterior insulation and coating of Digester #5 steel cover. Staff recommends Council approve the Agreement with Brown and Caldwell for consultant engineering services as described in the attached proposal in an amount not to exceed \$266,732 with the City of Reno's portion being \$183,058.17 (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 for TMWRF, while the City of Sparks manages operations. The digesters at TMWRF help to stabilize the solids generated at the facility which helps with dewatering and disposal of the material. This process also produces methane gas that is used to heat the digestion process, heat the facility, and generate up to one-third of the electrical power to operate the facility.

Three of the digesters were constructed in the mid 1960's and require rehabilitation to maintain reliable service. Two of the digesters built in the 1960's have already gone through a rehabilitation process with Digester #2 being the oldest digester requiring rehabilitation maintenance. Digester #5 cover exterior only requires coating and new insulation since the internal portions of Digester #5 cover were rehabilitated within the last five years.

Discussion: This scope of work provides for the formal design of Digester #2 and #5 cover rehabilitation. As detailed in the attached agreement, the work tasks include evaluation of seal repair options, digester cover structural condition assessment, coating repair recommendations, formal design for rehabilitation of digester covers, development of construction plans, specifications and bid documents, opinion of probable construction costs, and providing bidding support services. Brown and Caldwell 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 Contract	Reno Share	Sparks Share
\$266,732	\$183,058.17	\$83,673.83
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 with Brown and Caldwell for consultant engineering services as described in the attached proposal in an amount not to exceed \$266,732 with the City of Reno's portion being \$183,058.17 (Sewer Fund), and authorize the Mayor to execute the attached Agreement.

Proposed Motion: I move to approve the staff recommendation.

Attachments: