

STAFF REPORT

Date: June 5, 2019

To: Mayor and City Council

Thru: Sabra Newby, City Manager

Subject: . Staff Report (For Possible Action): Approval of Agreement with Brown and Caldwell for construction management services for the Truckee Meadows Water Reclamation Facility Nitrification Tower 2 Rehabilitation Project in an amount not to exceed \$751,746 with City of Reno's share being \$515,923.28 (Sewer Fund).

From: Kerri Lanza, Engineering Manager

Summary: This agreement with Brown and Caldwell is to provide construction management services for the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification Tower 2 Rehabilitation Project in an amount not to exceed \$751,746 with Reno's share being \$515,923.28 (Sewer Fund).

Previous Council Action:

December 3, 2014 - Council approved an Agreement for Consultant Services with Brown and Caldwell for performing a condition evaluation of the existing nitrification towers in an amount not to exceed \$212,000 with the City of Reno's portion being \$145,495.60 from the Sewer Fund.

April 24, 2018 – Council approved agreement with Brown and Caldwell (B&C) for engineering services for the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification Tower #2 Rehabilitation Project in an amount not to exceed \$445,512 with Reno's share being \$305,754.89 (Sewer Fund).

April 24 2019-- Council approved award of contract to K.G. Walters Construction Co., Inc., for the TMWRF Nitrification Tower 2 Rehabilitation Project in an amount not to exceed \$4,298,500 with the City of Reno's share being \$2,950,060.55.

Discussion: One of the key treatment processes at the Truckee Meadows Water Reclamation Facility (TMWRF) consists of removing nitrogen from sewage such that treated effluent discharged from the TMWRF to the Truckee River will meet permit discharge limitations. A first critical step in the removal of nitrogen from sewage occurs in the nitrification towers. The efficiency of these is impacted by a variety of operational and environmental conditions. Most

of the towers are almost 30 years old; the media and mechanical equipment are operating beyond their design life and need to be rehabilitated. Following an evaluation of current conditions of the towers, tower #2 requires replacement of the treatment media, distributor equipment, and rehabilitation of concrete tank walls to maintain the structure and increase performance and reliability. Additional nitrification towers will be addressed in future years.

Council awarded K.G. Walters Construction Co., Inc. the rehabilitation / construction project on April 24, 2019. This agreement with Brown and Caldwell is to provide construction management services such as reviewing and approval of technical submittals, responding to Requests for Information, owner representative project management during construction, and preparation of record drawings.

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 percent for Reno and 31.37 percent for Sparks, as shown in Table 2. City of Reno cost share is budgeted in the Sewer Fund. This project is included in the TMWRF’s FY 2019 and FY 2020 Capital Improvement Plan approved by the TMWRF Joint Coordinating Committee (JCC).

Table 2– Cost Sharing Between Reno and Sparks

Total Cost of Agreement	Reno Share	Sparks Share
\$751,746	\$515,923.28	\$235,822.72
Percentages	68.63%	31.37%

Legal Implications: The agreement establishes the duties and responsibilities of the consultant and the city.

Recommendation: Staff recommends Council approve Agreement for construction management services with Brown and Caldwell, for the Truckee Meadows Water Reclamation Facility Nitrification Tower 2 Rehabilitation Project in an amount not to exceed \$751,746 with the City of Reno's share being \$515,923.28 (Sewer Fund) and authorize the Mayor to sign the contract.

Proposed Motion: I move to approve the staff recommendation.

Attachments:

- Construction Management B&C Nit Tower 2 (PDF)