

STAFF REPORT

Date: January 15, 2014

To: Mayor and City Council

Thru: Andrew Clinger, City Manager

Subject: Staff Report (For Possible Action): Approval of a Consulting Agreement for Construction Management Services with Carollo Engineers, Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Digester Gas Conditioning System Project in an amount not to exceed \$452,156.00, with the City of Reno's portion being \$310,314.66 (Sewer Enterprise Fund).

From: Dave Kershaw, Associate Civil Engineer

Summary: Construction management services are required for the Truckee Meadows Water Reclamation Facility (TMWRF) Digester Gas Conditioning System Project. This scope of work will provide construction management services during project construction that includes construction management, engineering services during construction, inspection, testing, conformed drawings preparation, permitting assistance, and record drawings preparation. Staff recommends Council approval of the consultant agreement with Carollo Engineers, Inc. for construction management services for the TMWRF Digester Gas Conditioning System Project in an amount not to exceed \$452,156.00, with the City of Reno's portion being \$310,314.66 (Sewer Enterprise Fund).

Previous Council Action:

December 12, 2012 - Council approved a consultant agreement for professional engineering services with Carollo Engineers, Inc., in support of the Design of a Digester Gas Conditioning System and Piping at the Truckee Meadows Water Reclamation Facility (TMWRF) in the amount of \$324,798 with the City of Reno's portion being \$222,908.87 (Sewer Enterprise Fund).

September 4, 2013 - Council approved an amendment for professional engineering services with Carollo Engineers, Inc., in support of the Design of a Digester Gas Conditioning System and Piping at the Truckee Meadows Water Reclamation Facility (TMWRF) in an amount not to exceed \$39,888 with the City of Reno's portion being \$27,375.13 (Sewer Enterprise Fund). Resulting in a total professional engineering services design cost of \$364,686 with the City of Reno's portion being \$250,284.00.

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 Washoe County Air Quality Management Division has issued an Air Quality Permit for the TMWRF and has directed the design and installation of a digester biogas conditioning system to replace former treatment processes for Hydrogen Sulfide control.

The previous authorized design work has resulted in the final design of a Digester Gas Conditioning System that when constructed will; improve compliance with Air Quality regulations through the control of hydrogen sulfide and siloxanes, produce a conditioned gas suitable as fuel for on-site generation of electricity and heat, help reduce boiler and sludge heater maintenance requirements, and eliminate a safety hazard associated with corroded and leaking digester gas piping within the Digestion Complex at TMWRF.

Discussion: This consultant agreement will provide construction management services during project construction that includes construction management, engineering services during construction, inspection, testing, conformed drawings preparation, permitting assistance, and record drawings preparation. Carollo Engineers, Inc. was selected from the City’s approved list of engineering consultants. A recommendation for construction contract award for this project will also be presented to Council on January 15, 2014.

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 Enterprise Fund. This project is included in the TMWRF FY2014 Capital Improvement Plan that was approved by the Joint Coordinating Committee.

Table 1 - Cost Sharing Between Reno and Sparks

Total Cost of Agreement	Reno Share	Sparks Share
\$452,156.00	\$310,314.66	\$141,841.34
Percentages	68.63%	31.37%

Legal Implications: The agreement was prepared by the Office of the City Attorney.

Recommendation: Staff recommends Council approve the Agreement for construction period services with Carollo Engineers, Inc. for service as described in the attached proposal in an amount not to exceed \$452,156.00 (Reno’s share being \$310,314.66 from the Sewer Enterprise Fund) and authorize the Mayor to execute the attached Agreement.

Proposed Motion: I move to approve staff recommendation.

Attachments:

- Construction Management w Carollo (PDF)