

STAFF REPORT

Date: September 25, 2013

To: Mayor and City Council

Thru: Andrew Clinger, City Manager

Subject: Staff Report (For Possible Action): Approval of a Consulting Agreement between Stantec Consulting Services Inc. (Stantec) and the City of Reno and Sparks for Engineering Services associated with the Truckee Meadows Water Reclamation Facility (TMWRF) Headworks Near-Term Improvement Project in the amount of \$633,702 with Reno's share being \$434,909.68 (Sewer Enterprise Fund).

From: Dave Kershaw, Associate Civil Engineer

Summary: The recent emergency at the Truckee Meadows Water Reclamation Facility (TMWRF) has repaired and replaced key components in the TMWRF Headworks Facility; however additional work is still needed. The attached scope of work with Stantec includes the design of specific components of the facility that have been identified as needing critical repair and replacement, as well as development of an updated master plan for the facility and evaluation of alternatives for future necessary upgrades. These actions will help the plant and community to continue to successfully and reliably meet required treatment criteria, protecting public and environmental health. Staff recommends Council approval of the consulting agreement with Stantec in an amount not to exceed \$633,702, with Reno's share being \$434,909.68.

Previous Council Action:
February 8, 2012 Council approved an Agreement with Stantec for evaluation and design services for the Septage Receiving Facility and Headworks Building at the Truckee Meadows Water Reclamation (TMWRF) in the amount of \$377,884, with Reno's Share being \$259,242 (Sewer Enterprise Fund).

March 13, 2013 Council accepted staff report regarding the Declaration of the Existence of a local State of Emergency for the Truckee Meadows Water Reclamation Facility (TMWRF) pursuant to Chapter 338 and 332 of the Nevada Revised Statutes.

Background: 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 Headworks facility, constructed in 1964, receives raw sewage flows from the entire sewer collection system and pumps it up to the treatment plant.

On February 25, 2013, the City of Reno declared an emergency due to failures occurring in key components of the Headworks operation. Under the emergency declaration, improvements to the

Headworks operation were restricted to items that must be immediately repaired to assure continuing operation. The assessment of the need for additional improvements became possible following the establishment of the pump-around. Access to the dry internal spaces of Headworks enabled engineers to assess the condition of the concrete and steel structure and the mechanical and electrical equipment. That assessment identified additional improvements which must be performed in the near-term to assure a sustainable operation of Headworks.

Discussion: With the visual assessment of the internal components of Headworks complete, Stantec Engineers gained sufficient information to be able to prepare a scope of work for the remaining improvements critically necessary to ensure a sustaining operation. That scope includes development of a Headworks Master Plan for the long term direction for the structure given its age, recent improvements and current plant operating parameters. The scope also includes development of designs for the repair and replacement of the odor and hydrogen sulfide gas control system, sluice gates, concrete repair, handrail replacement, pump motor access facilities, hydraulic system improvements, electrical improvements, surface coatings, and associated items. It should also be noted that the current scope includes a planning level evaluation of the existing mechanical screens to develop a recommended course of action. It is anticipated that once a preferred repair or replacement method is identified, a contract amendment will be developed to fund a formal design for the mechanical screens.

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
\$633,702.00	\$434,909.68	\$198,792.32
Percentages	68.63%	31.37%

Recommendation: Staff recommends Council approve the Agreement for Consulting Services with Stantec Consulting Services, Inc. for design and engineering evaluation services as in described in the attached proposal in an amount not to exceed \$633,702 (Reno’s share being \$434,909.68 from the Sewer Enterprise Fund) and authorize the Mayor to execute the attached Agreement.

Proposed Motion: I move to approve the staff recommendation.

Attachments:

- Headworks Near-Term Agreement (PDF)