

STAFF REPORT

Date: August 27, 2014

To: Mayor and City Council

Thru: Andrew Clinger, City Manager

Subject: **Staff Report (For Possible Action): Approval of an Award of Contract to Nelson Electric Co., Inc. for construction of the Truckee Meadows Water Reclamation Facility (TMWRF) Electrical Systems Upgrade Phase II in an amount not to exceed \$3,350,846.70, with the City of Reno's portion being \$2,299,686.09 (Sewer Enterprise Fund).**

From: David Kershaw, Associate Civil Engineer

Summary: Staff recommends Council approve the award of contract to Nelson Electric Co., Inc. for construction of the Truckee Meadows Water Reclamation Facility Electrical System Upgrade Phase II Project for the Base Bid and Additive Alternate A in an amount not to exceed \$3,350,846.70 and authorize the Mayor to sign. Attached is the bid summary table.

Previous Council Action:

August 22, 2012: Council approved a consulting agreement with CDMSmith for engineering services in support of the design of the Phase II electrical distribution system upgrades in the amount of \$455,480.00 with the City of Reno's portion being \$312,595.92 (Sewer Enterprise Fund).

November 6, 2013: Council approved an amendment for professional engineering services with CDMSmith for engineering services in support of the Design of Phase II improvements to the Truckee Meadows Water Reclamation Facility's (TMWRF) Electrical Distribution System in the amount of \$274,190.00 with the City of Reno's portion being \$188,176.60 (Sewer Enterprise Funds).

Background:

An arc-flash study of the 1964-vintage electrical system components at TMWRF, determined serious hazards existed due to aging, environmental factors and system reliability. The schedule of funding dictated that the electrical upgrades to correct all arc flash hazards be divided into two phases, Phase I and II. The first phase of electrical system upgrades was designed by CDMSmith and constructed by Auburn Construction with completion last summer. Design of the Phase II improvements has now been completed.

The previous authorized design work has resulted in the final design of Phase II electrical improvements that when constructed will reduce arc-flash hazards, update electrical equipment that is at the end of its useful service life, provide electrical system redundancy to improve reliability of the plant to continuously treat sewage and meet discharge permit requirements.

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.

Discussion:

This project will install four new medium voltage transformers, low voltage distribution switchboards, new medium voltage cables, new busways, new duct banks, generator quick connects at specific locations throughout the facility, modification to structures supporting electrical gear due to changes in size, and associated appurtenances. Bids were opened on June 29, 2014. The lowest responsive and responsible bidder is Nelson Electric Co., Inc. in the amount of \$3,350,846.70. The consideration of approval for an agreement with CDMSmith for construction services for this project will also be considered by Council on August 27, 2014, as a separate, but related, item.

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 TMWRF Joint Coordinating Committee (JCC).

Table 1 - Cost Sharing Between Reno and Sparks

| Total Cost of Agreement | Reno Share | Sparks Share |
|-------------------------|----------------|----------------|
| \$3,350,846.70 | \$2,299,686.09 | \$1,051,160.61 |
| Percentages | 68.63% | 31.37% |

Legal Implications: The contract was let pursuant to Chapter 338 of the Nevada Revised Statutes (NRS), and Nelson Electric Co., Inc. response meets the legal requirements of Chapter 338 of the NRS.

Recommendation: Staff recommends Council approve the award of contract to Nelson Electric Co., Inc. for construction of the Truckee Meadows Water Reclamation Facility Electrical System Upgrade Phase II Project for the Base Bid and Additive Alternate A in an amount not to exceed \$3,350,846.70 (Reno’s share being \$2,299,686.09 from the Sewer Enterprise Fund) and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.

Attachments:

- I100062 Bid summary 20140729 (PDF)