

Draft STAFF REPORT

To: Mayor and City Council

Agenda Item: C.?

Date:

Thru: City Manager

Subject: Approval of purchase of Nitrification Pump Drives for the Truckee Meadows Water Reclamation Facility (TMWRF) in the amount of \$ 240,545.86 with Reno's share being \$ 165,086.62 (Sewer Enterprise Fund).

From: Robert Lee, Sr. Civil Engineer, Public Works

Summary: The TMWRF Nitrification process includes pumps with drives that have proven to be unreliable thereby exposing TMWRF to an unacceptable potential for pump failures with a resulting discharge water quality permit violations. TMWRF staff desire to replace the remaining existing drives with alternative drives that have proven to be much more reliable in other pumping operations at TMWRF and upon which TMWRF has standardized for replacement parts. Intec Solutions has provided a quote of \$240,545.86 (\$165,086.62 being Reno's share from the Sewer Enterprise Fund)

Previous Council Action: None.

Background: TMWRF's Nitrification process has four 200HP and four 400HP pumps. Under normal operations, two of each set are in operation leaving two of each set in standby. The existing pump drives have proven to be unreliable thereby exposing TMWRF to an unacceptable potential for permit violations. One pump drive has already failed and been replaced. The existing drives are also difficult to work on and require substantial labor to remove and replace.

Discussion: To improve operational reliability, TMWRF staff desire to replace the remaining existing Nitrification pump drives with new drives provided by an different manufacturer that have proven to be much more reliable in other applications at TMWRF. Intec Solutions has provided a quote of \$240,545.86 for supplying three of the seven remaining replacement drives to be replaced in this year's CIP. The other remaining 4 drives will be replaced in next year's capital improvement program(CIP).

Financial Implications: The City of Reno will administer the equipment purchase 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 based upon their ownership of TMWRF, which is 68.63% for Reno and 31.37% for Sparks, as shown in Table 1.

Table 1 - Cost Sharing Between Reno and Sparks

Total Cost of Contract	Reno Share	Sparks Share
\$240,545.86	\$ 165,086.62	\$ 75,459.24
Percentages	68.63%	31.37%

The City of Reno sewer enterprise fund has two components that fund capital projects for the expansion of treatment plant capacity and the upgrades to existing plant facilities. Projects that require replacement or repair of facilities are funded through the existing user fee fund. Sewer enterprise funds are budgeted for this work.

Table 2 – Reno Cost Sharing Between User Fee and Connection Fee Funds

Reno Share of Contract Amount	User Fee Share	Connection Fee Share
\$ 165,086.62	\$ 132,069.30	\$33,017.32
Percentages	80%	20%

Legal Implications: This contract is for purchase of Nitrification process pump drives that are part of an inventory of replacement parts maintained by TMWRF. As such, NRS 333.115.1(d) provides that such contracts are not adapted to award by competitive bidding.

Recommendation: Staff recommends Council award of the contract for the TMWRF Nitrification Pump Drives in the amount of \$ 240,545.86 to Intec Solutions.

Proposed Motion: I move to approve the staff recommendation.