

TUOLUMNE CITY SANITARY DISTRICT

TCS
18050 BOX FACTORY ROAD
TUOLUMNE, CA 95379

REGULAR MEETING STAFF REPORT

PHONE: 209.928.3517
FAX: 209.928.4550
EMAIL: bbonillo@tcsdistrict.com

Agenda Item No. 5

To: Board of Directors
From: Jeff Cooley, General Manager
Subject: Polaris Electric vs Diesel Comparison
Bids Date: December 4th, 2024

Background: The District currently owns two (2) ATVs with the oldest being 19 years old. Staff included a budget request in the 2024-25 budget in the amount of \$32,000 to replace the oldest ATV with an electric UTV. The budget request was approved by the Board. Staff received a quote for a RGR Polaris 2025 Pro XD Full Size Kinetic UTV in the amount of \$35,917.97. The offset for the additional costs of \$3,917.97 would be transferred from the Miscellaneous Construction Tools budget.

In the November 6th Board Meeting, the Board requested that staff review the purchase request and provide a side-by-side comparison between the electric and a diesel model. Staff completed the comparison between the two models (see attached Key Specifications and Quote Sheet from vendor). The cost of the electric UTV is \$35,917.97 compared to \$25,906.18 for the ATV diesel model.

Recommendation: Staff recommends purchasing the Polaris Pro XD Full Size Kinetic electric UTV. In examining the two Polaris powertrains with the models, the biggest differences are the costs on maintenance and fuel. The electric model (Pro XD Kinetic) has 60% less maintenance cost and an estimated fuel savings of \$2800.00 over a five-year period. The lower maintenance costs are mainly due to fewer moving parts so they're generally less expensive to repair and maintain compared to diesel fuel vehicles. There is no engine, fuel, or filters etc, so there is much less to go wrong through general wear and tear. The battery, motor, and associated electronics require little to no regular maintenance. There are fewer fluids, such as engine oil, that require regular replacements and brake wear is reduced due to regenerative braking. The warranty for the diesel model is only one (1) year versus the electric model which has a three (3) year warranty on the electrical systems and five (5) years for the battery. Other advantages of purchasing the UTV is that it has significantly reduced noise pollution, zero

emissions, smoother low-speed driving, instant torque for better acceleration, and a cleaner environmental impact.

Fiscal Impact: \$35,917.97 of which \$32,000 is generated from the 2024/25 approved budget plus \$3,917.97 which would be transferred from the Miscellaneous Construction Tools budget.

Recommended Motion: I move to approve the purchase of the RGR Polaris 2025 Pro XD Full Size Kinetic UTV in the amount of \$35,917.97.

BOARD ACTION:

<input type="checkbox"/> Resolution No _____	Moved by: _____	Second by: _____
_____AYES	_____NOES	_____ABSTAINED
_____ABSENT	<input type="checkbox"/> No Action Taken	