



DEPARTMENT OF  
**UTILITIES**

**Department of Utilities**  
Wastewater Treatment Plant  
2006 East Newberry Street  
Appleton, WI 54915  
p: 920-832-5945  
f: 920-832-5949

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## MEMORANDUM

**Date:** October 2, 2024  
**To:** Chairperson Brad Firkus and Members of the Finance Committee  
**CC:** Chris Stempa, Director of Utilities  
Colin Stoffel, Wastewater Operations Supervisor  
Kelli Rindt, Enterprise Accounting Fund Manager  
**From:** Ryan Rice, Deputy Director of Utilities  
**Subject:** **Finance Committee Action: Award sole source purchase of Final Effluent Screw Pump Gearbox Inspection & Rebuild Services to Midwest Power Products in the amount of \$35,298 with a 10% contingency of \$3,530 for a total not to exceed \$38,828.**

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### BACKGROUND:

The Appleton Wastewater Treatment Plant (AWWTP) has three final effluent screw pumps, originally installed as part of the 1975 plant upgrade. The pumps prevent flooding of the plant during high flow events or high river level, by pumping final effluent into the Fox River.

The failure of effluent screw pump #2's gearbox in April 2023 during a high flow event, required repair of the gearbox. After the failure in 2023, money was budgeted this year to inspect and rebuild the other two screw pump gearboxes of the same vintage to prevent a failure of these pumps critical to WWTP operations.

### QUOTATION

Midwest Power Products provided a inspect and rebuild cost of \$17,649 per gearbox. The total rebuild cost for two gearboxes is \$35,298. There is \$55,000 available in the 2024 operations budget for rebuild service work.

### JUSTIFICATION

Midwest Power Products successfully rebuilt the failed gearbox in 2023 to operational condition. They are one of a handful of Foote-Jones / Dresser gear box distributors in the US. Midwest Power Products was the only company found with an inventory of used gear boxes and parts that date back to the age and model. They also offer complete rebuild services for Foote-Jones / Dresser equipment which helps expedite repair and rebuild services. They maintain expertise, knowledge, and parts availability to rebuild the other two gearboxes.

### RECOMMENDATION:

I recommend the sole source purchase of final effluent screw pump gearbox inspection & rebuild services to Midwest Power Products in the amount of \$35,298 with a 10% contingency of \$3,530 for a total not to exceed \$38,828.

If you have any questions regarding this project, please contact Ryan Rice at 920-832-5945.

**Encl:** Finance Department Sole Source Request Form