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Department of Utilities
Wastewater Treatment Plant
2006 E Newberry Street
Appleton, WI 54915-3128
920-832-5945 tel.
920-832-5949 fax

To: Chairperson William Siebers and Members of the Finance Committee

From: Utilities Deputy Director, Chris Stempa

Date: August 18, 2021

Re: Committee Action: Award the Sole Source Purchase of Grit Classifier System Rebuild Parts through Saveco North America Inc. in the amount of \$ 61,774.

In 2000, a capital project was completed at the Appleton Wastewater Treatment Plant (AWWTP) that facilitated the transition from an aerated channel grit removal system to a circular vortex chamber and grit classifier system. The original grit classifiers were manufactured by FSM Frankenberger GmbH & Co. Raw wastewater enters the Grit and Screenings Building (B-Building) from which it flows through one of three mechanical bar screens where objects larger than 1/4 inch in diameter are removed. The wastewater then flows into one or both vortex grit removal chambers. Air can be diffused into the channels ahead of the grit chambers to suspend the particulate organic material. Wastewater enters the vortex chamber tangentially, flows around the conical tank and exits parallel to the inlet. The heavy mineral solids or grit settle in the lower hopper from which it is transferred by self-priming centrifugal pumps to the washing and classification system located inside of B-Building.

Following the failure of Grit Classifier #1 in early 2021, an inspection was conducted by the FSM equipment representative, Saveco North America Inc., to assess repair and/or replacement options. A complete list of recommended Original Equipment Manufacturer (OEM) replacement parts was provided based on their inspection that could be incorporated into a maintenance project to restore operation and extend the useful life of the existing grit classifier system.

REQUEST FOR QUOTATIONS – OEM SOLE SOURCE PARTS & REBUILD SERVICES

Saveco North America Inc. (Saveco) provided a quotation for the necessary rebuild parts after completion of the equipment inspection. As the FSM grit classifier equipment OEM, Saveco is the sole distributor of these parts required for the rebuild work. The total quoted cost of the rebuild parts for both grit classifiers totaled \$61,774. As a comparison, the cost of two new grit classifiers totaled \$120,000 (not installed).

RECOMMENDATION:

I am requesting sole source purchase award of Secondary Clarifier Drive Rebuild Parts through Saveco North America Inc. in the amount of \$61,774

If you have any questions or require additional information regarding this project please contact Chris Stempa at 920-832-5945.