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MEMO

TO: Chairperson Wetzel and Commissioners
FROM: Andrew Beyer, P.E.
DATE: December 8, 2022
RE: Public Works Commission Agenda Narrative for December 13, 2022

Agenda Items:

Update, no action required: purchase street sweeper from RNOW of West Allis, WI for \$282,774.50

BACKGROUND

Update, no action required: purchase street sweeper from RNOW of West Allis, WI for \$282,774.50:

In spring of 2022, the City's stormwater team performed an assessment of street sweeping and leaf collection activities in the City of Watertown. After the analysis, it was determined that an additional street sweeper is needed in order for the City to meet municipal separate storm sewer system (MS4) permit requirements and Total Maximum Daily Load (TMDL) pollutant reduction requirements. The City can claim an additional 237.39 pounds of Phosphorus (TP) for TMDL compliance by committing to additional weekly street sweeping after leaf collection activities, which is a significant increase in phosphorus reductions in the three TMDL sub-watersheds:

Sub-Watershed	TP Load after 2021 Modeling Revision	TP Load after 2022 Leaf Collection Analysis
RR-28	11.71%	15.74%
RR-29	16.35%	18.01%
JC-30	10.75%	10.93%

The City currently runs one street sweeper; to meet the existing street sweeping requirements under the MS4 Permit and to capture this additional phosphorus credit, a second sweeper unit will be necessary and will be operated year round, excluding the winter months, performing street sweeping and catch basin cleaning operations alongside the existing 2016 street sweeper.

The stormwater team has also considered the need for annual catch basin cleaning program, including deeper catch basins that are designed and installed to meet water quality requirements. These catch basins are required to be maintained per the MS4 Permit. The newer street sweepers have the ability to routinely clean catch basins. City staff are developing an annual program to clean some catch basins with internal crews and equipment and supplement with an outside catch basin cleaning contractor, as needed.

City staff met with several street sweeper vendors and reviewed several sweeper options in an effort to determine what machine would best suit the City's needs at the lowest cost. The City received two quotations from vendors with the lowest quote received from RNOW for \$282,774.50 for the machine. A summary of received quotes can be seen on the following page. The stormwater team is recommending a street sweeping unit from RNOW of West Allis, WI, which will be used both for street sweeping and catch basin cleaning.

VENDOR	MODEL	QUOTE
RNOW, INC. West Allis, WI	Schwarze A7 Tornado Regenerative Air Street Sweeper	\$282,774.50
MACQUEEN EQUIPMENT Menomonee Falls, WI	Elgin RegenX1 Regenerative Air Street Sweeper	\$333,375.00

\$300,000 has been approved in the 2023 budget for the street sweeping unit. Delivery is anticipated in the first half of 2023.

Attachments:

RNOW quote sheet