

## CITY OF SHEBOYGAN

### REQUEST FOR PUBLIC WORKS COMMITTEE CONSIDERATION

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**ITEM DESCRIPTION:** A resolution authorizing the appropriate City officials to Purchase a Screenings Washer Monster from JWC Environmental of Santa Ana CA to provide a redundant system to wash and compact screened wastewater solids.

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**REPORT PREPARED BY:** Jordan Skiff, Superintendent of Wastewater

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**REPORT DATE:** April 26, 2022

**MEETING DATE:** May 24, 2022

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#### FISCAL SUMMARY:

Budget Line Item: 60138300-631100  
Budget Summary: Improvements  
Other than  
Buildings  
Budget Expenditure: \$ 125,000  
Budgeted Revenue: N/A

#### STATUTORY REFERENCE:

Wisconsin Statutes: N/A  
Municipal Code: N/A

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**BACKGROUND / ANALYSIS:** The wastewater plant utilizes a grinder and compactor (Muffin Monster) to shred, dewater and compact rejects which come from screening the incoming wastewater as well as the floatable material skimmed off of the primary and secondary clarifiers. This system eliminates any free water from the material so that it can be hauled and disposed of in a landfill. When the existing Muffin Monster is off line for maintenance or repair, wastewater screening and scum systems are shut down and bypassed. Bypassing these systems allows larger solids to flow into the process, where they collect in tanks from where the can plug pumping equipment.

**STAFF COMMENTS:** The installation of a redundant system will provide a back-up capacity so that influent screening and scum removal will stay in operation during mechanical failures and routine maintenance of the existing Muffin Monster.

The project scope includes the purchase and installation of a new Muffin Monster grinder and compactor exactly like the existing unit. The system will be modified to provide the space for both units, including a new header with isolation to feed each unit individually.

#### Cost Breakdown:

Muffin Monster	JWC Environmental	\$ 114,000.00
Piping and Installation	WWTP Staff	\$ 14,500.00
Electrical Installation	WWTP Staff	\$ 5,000.00
Painting and Cleaning	Goldsmith	\$ 4,000.00

Fabrication	AAA Welding & Fab	\$ 3,500.00
Contingency (10%)		\$ 14,100.00
<b>TOTAL</b>		<b>\$ 155,100.00</b>

**ACTION REQUESTED:** Motion to recommend the Common Council adopt Res. No. 20-22-23 authorizing the appropriate City officials to Purchase a Screenings Washer Monster from JWC Environmental of Santa Ana CA to provide a redundant system to wash and compact screened wastewater solids.

**ATTACHMENTS:**

- I. Res. No. 20-22-23
- II. JWC Environmental Quote