



TOWN OF ERIE

645 Holbrook Street
Erie, CO 80516

Town Council

Board Meeting Date: 12/13/2016

File #: 16-467, Version: 1

SUBJECT: CONSENT AGENDA

A Resolution Authorizing the purchase of new JWC Grinder in the amount not-to-exceed \$13,110.

DEPARTMENT: Public Works

PRESENTER: Gary Behlen, Public Works Director
Jon Coyle, Chief Wastewater Plant Operator

FISCAL INFORMATION:

Cost as Recommended:	\$14,422.00
Balance Available:	\$79,382.91
Budget Line Item Number:	510.70.750.520100
New Appropriation Required:	No

STAFF RECOMMENDATION: Approve Resolution authorizing execution of said purchase, and authorizing Staff to expend funds for purchase.

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

The Town of Erie Public Works Department (Wastewater Division) has purchased the replacement JWC Grinder due to a recent failure making the grinder inoperable. The current grinder had teeth missing which caused a misalignment which led to the teeth being worn down significantly which eventually caused the grinder to fail.

The main purpose of the grinder is to grind up the screenings pulled from the influent in order to protect the succeeding equipment from damage from large objects (<https://www.youtube.com/watch?v=gi1V7gXyVeo>). Once the band screen sifts the useless inorganic material (tissue, condoms, tampons, wood, etc.), it dumps them into a trough where they flow to the grinder where it is shredded up into tiny pieces before it is pushed through an auger and dewatered for disposal. Without this process, the screenings would need to be monitored and removed manually from the bar screen 24 hours a day to prevent an overflow into the plant. An overflow could result in materials entering the plant that could be harmful to equipment and can cause clogging.

The reason for purchasing the grinder before approval is because on Thursday, December 1st the grinder failed and had to be removed in order to allow flow to the auger. We are currently bypassing the grinder in order to keep the mechanical bar screen running. If this fails we will be required to monitor the manual bar screen until the replacement grinder is installed.

JWC is the manufacturer of all the components of our screening process at the waste water plant so we need to use compatible parts. Misco Water is the local distributor of their products and is familiar with our system which is why it was decided to use them as a preferred vendor for the parts.

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The installation will be performed by wastewater staff.

Budget Summary

Purchase	\$13,110.00
<u>Contingency (10%)</u>	<u>\$1,311.00</u>
Total	\$14,422.00

ATTACHMENTS:

- a. Pictures