



Staff Report

TO: City Council
FROM: Thaxton Van Belle, General Manager of Utilities
DATE: July 20, 2021
SUBJECT: Approve the Purchase of a Replacement Grinder Cartridge for the Headworks Screenings Washer at the Wastewater Treatment Plant

Background and Analysis:

The City of Beaumont Wastewater Treatment Plant utilizes redundant screenings washers with grinders at the head of the plant (Attachment A). This equipment protects the downstream process by grinding and removing foreign materials that enter the sewer system, while washing and compacting rag material for disposal.

The grinder portion of this system consists of hardened steel cutters rotating on dual shafts in a slow speed, high torque mode, assembled in a cassette-like configuration. These are consumable parts and in time the cutters, shafts and internal gears wear out.

The manufacturer has developed a program (Attachment B) that allows for replacement of the cutter cartridge assembly on site, utilizing the existing motor and main equipment. The cost quote for this replacement cartridge is \$33,961.31. City staff will perform the removal and installation.

Fiscal Impact:

The total costs for purchasing the replacement grinder cartridge is \$33,961.31 and will be funded from account 700-4050-8040-0000. The estimated cost to prepare this report is \$255.

Recommended Action:

Approve the purchase of a replacement grinder in the amount of \$33,961.31.

Attachments:

A. Screenings Washer Brochure

B. Renew Program Brochure

C. Cost Quote