



"...meeting community needs...enhancing quality of life."

Wastewater Treatment Facility

To: Chairman Greg Dannecker and Members of the Utilities Committee

From: Chris Shaw, Director of Utilities

c: Kelli Rindt, Enterprise Fund Accounting Manager

Date: March 21, 2018

Re: *Sole Source Purchase of Flight Scrapers to Evoqua Water Technologies for a cost of \$35,100*

Background

Funding was identified in the 2018 Wastewater Treatment Program for needed equipment repairs to two Dissolved Air Flootation (DAF) units. The DAFs are used to dewater microorganisms from the aerobic process before entering digestion. A DAF can dewater 500,000 gallons of microorganisms. This process has been in service since 1978. The units continue to perform well with minimal corrective maintenance. In 1999 two of the original four DAFs were retrofitted as receiving station tanks for the hauled waste program (i.e., Receiving Station Program). From that time forward, the remaining two have alternated duty service based on operations and maintenance needs.

Project

The process scrapers that remove the microorganisms and are used in the process have worn out. The scrapers are manufactured out of carbon steel and rubber. Since the scrapers are either immersed in liquid or making contact with other tank components they are subject to wear and corrosion. Evoqua Water Technologies is the Original Equipment Manufacturer (OEM) of the DAFs and is the only source for authorized OEM parts. The Evoqua Water Technologies quote is \$35,100 for 36 scrapers.

Recommendations

I recommend purchasing 36 scrapers from Evoqua Water Technologies for a cost of \$35,100. If you have any questions regarding this issue please contact me at ph: 832-2362.