

Justification Memo

Capital Improvement Project

To: Lucas Martsolf, Assistant Township Manager

From: Greg Hoover, PE, PMP, Director, Utilities

Date: August 1, 2022

Subject: CP-Valve Maintenance Trailer Replacement

Project Description:

Replacement of the existing Valve Maintenance Equipment.

Project Justification:

The original valve maintenance equipment was purchased in 2011 with an anticipated life expectancy of seven (7) to ten (10) years (see attached email). The current age is 11 years. The valve turning mechanism has been failing and has had numerous repairs see attached report. Due to the recent failures, the Valve Maintenance Program has been negatively impacted as illustrated in the decreasing number of valves operated per year over the past three years: 1017 (2020); 473 (2021); 0 (2022). While at the same time, costs in repairs have increased as shown in the chart on the right in Figure 1. (Costs are for materials only and do not include labor.) In addition, down time has resulted in the need to extend the valve maintenance program schedule.

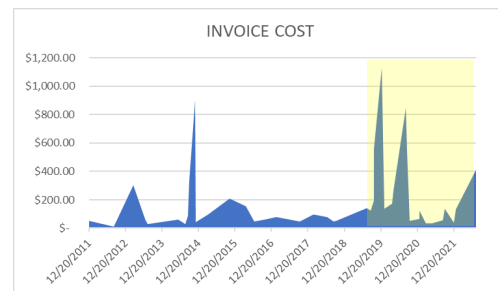


Figure 1 – Equipment Costs per Year

Project Budget				
Cost Code	Description	Budget	PO Cost	Remaining
6110-5495-6121	Water Capital - Equipment	\$100,000	\$TBD	\$100,000

