



Report to Utility Committee

Agenda Item: Back-up Soft Start Purchase Lift Station 11

Meeting Date: February 6, 2024

Referring Body: Utility Committee

Committee Contact: Alex Vedvik, Chair

Staff Contact: Leonard Ludi, Incoming Village Administrator

Mark Mackey, Operator – Kronenwetter Water Utility

Report Prepared by: Leonard Ludi, Incoming Village Administrator

OBJECTIVE(S): Purchase a stand-by Soft Start VFD for Lift Station 1, pump #2. The mission of the Village of Kronenwetter Water and Sewer Utility is to provide clean, safe drinking water. The Utility is also tasked with staying ahead of any potential failure in the system by managing preventative maintenance programs and anticipating replacement of older equipment before it fails.

HISTORY/BACKGROUND: On Tuesday January 6, 2024 around 7:38am, Lift Station 1, pump #1 had an alarm and the Utility Crew verified the pump had failed. They reset the pump and tried to run it again, but it faulted again after just a couple of seconds of running again.

As this is our main station on the east side of the lift station system, they attempted to pull the pump to see if there were any obstructions stuck the pump chamber. It was concluded that Lift Station 1, pump #1 had a defective Soft Start VFD and the part was ordered immediately. We also discovered the lead time for the Soft Start would be 8-10 week.

Since we are only running on the one (1) back up pump #2, and there is no back-up for 8-10 weeks. Noting, pump #2's SMX Flex SMART motor was replaced in 2009 so it is nearly 15 years old, it is recommended we purchase a spare so the Village Utility not in the same situation in the future.

PROPOSAL: Recommendation is to purchase a spare SMX Flex SMART motor controller. The cost of the spare motor controller \$6,086.00 (see attached B&M Technical Service proposal...)

RECOMMENDED ACTION:

FINANCIAL

Financial Consideration/Action: Procure stand-by motor controller for \$6,086.00

FUNDING SOURCE: Capital Outlay

Account Number/Title:	# 650-53650-826-000
Current Adopted Budget:	\$ 801,500.00 (2024 Budget)
Spent to Date:	\$
Remaining Budget:	\$
Requested Amount:	\$ 6,086.00
Remainder of Budgeted Amount, if approved:	

ATTACHMENTS: * B&M Technical Service proposal

