

Memorandum

Date: September 11, 2026
To: Joe Trueblood, Superintendent
From: Bill Swearingen, Operations Supervisor
Subject: Erie Avenue Pump Station VFD Replacement

The Erie Avenue Pump Station was constructed in 2007/2008 and includes a 200-horsepower variable frequency drive (VFD) used to control pump#1 of the station's pump/motor. The existing Square D ATV61 VFD is original to the pump station and has been in service for approximately 18 years.

In addition to the drive now being obsolete, Utility staff has experienced multiple faults with the VFD requiring troubleshooting and operational attention. Based on the recurring faults and troubleshooting/investigated work performed, the existing drive is in need of replacement. Given the age and obsolescence of the equipment, continued repair and troubleshooting is no longer considered a reliable long-term approach.

Specht Electric & Communications provided a proposal to replace the existing VFD with a new Square D ATV630 200-horsepower VFD. The work includes disconnecting and removing the existing drive, installing the new VFD within the existing cabinet, modifying the necessary power and control wiring, and providing Square D factory startup services. Factory startup will extend the manufacturer's warranty from 18 months to 60 months.

I would like to recommend proceeding with pump #1 VFD replacement at the Erie Avenue Pump Station.

2027 Budget Item:

\$50,000.00

Cost

Total: \$30,928.00

Sincerely,

Bill Swearingen

Operations Supervisor

Sheboygan Water Utility

920-459-3812

SPECHT **ELECTRIC**

& Communications

SHEBOYGAN 457-7321

FOND DU LAC 923-6796

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(920) 457-7321 • Fax (920) 457-3886

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September 1, 2026

Sheboygan Water Utility
72 Park Ave
Sheboygan, WI 53081
Attn: Bill Swearingen

RE: 4024 Erie Ave 200hp Pump Motor VFD Replacement
Quote #2026-SWU-170

Bill,

We offer a quote of \$30,928.00 for the following scope of work.

- Disconnect and remove the existing obsolete ATV61 drive.
- Provide and install a new Square D ATV630 200 hp VFD in the existing cabinet.
- Modify existing power and control wiring to the new drive.
- Provide Square D start up services when ready. Requires a 3-week notice.
- Factory start up extends the 18-month warranty to 60 months.
- Current lead time for the drive is 8 weeks.

Due to the uncertainty about material costs and tariffs, this quote is valid for 30 days and can be reassessed at that time. Any change in the scope above will adjust the final project cost. No premium time is included unless stated above. Payment terms are within 30 days Due Net.

If you have any questions, please feel free to contact me at any time.

Sincerely,
SPECHT ELECTRIC & COMMUNICATIONS

Andy Shircel

Andy Shircel
Estimator

AS:dlj