



MEMORANDUM

DATE: January 10, 2022

TO: Dan Duchniak, P.E.

FROM: Kelly Zylstra, P.E.

RE: VFD for Well No. 3

The variable frequency drive (VFD) for the pump in Well No. 3 failed in 2021. That VFD does not have a bypass so when it fails, the well is unable to be started. At the time, staff was able to perform a temporary “work around” using an obsolete board for the VFD. As this well will remain as an emergency back up well after the transition to Lake Michigan water, we included the replacement of the drive with a bypass as part of the 2022 budget. The funds are available in account 3250-300.

This project includes a new 300Hp VFD, removal of the existing drive, installation of the new drive, and all of the pipe and wire necessary including new wire from the VFD to the existing well junction box. This project would include the supply and installation of a new VFD at Well No. 3 for \$55,000 from Hogan Electric.

Recommended Motion: Approve the VFD project at Well No. 3 with Hogan Electric for a cost not to exceed \$55,000.