



To: Honorable Mayor & Oelwein City Council
From: Public Works Superintendent Vic Kane

CC: Dylan Mulfinger, City Administrator

Reference: UV disinfection refurbish or replacement

Date: 12/2/2021

Greetings:

The ultraviolet light disinfection system has been slowly failing due to age. We had requested in our CIP to replace the system in 2022. At that time the system had two functioning units. As fate would have it, we lost the PLC (Primary Logic Controller) for one of the units. The program was found to be antiquated and the PLC could not be replaced. The product representative quoted increases and the budget amount increased to \$165,000. Based on one faltering but physically operable and the other fully functioning, we moved forward to budget the replacements in 2023.

Our gamble did not pay off as we lost the other unit PLC this disinfection season. We were able to make these units work to meet our state permit, but they were operating inefficiently. Due to the fact we cannot lose this system and it must be operational by March; we have moved to expedite this purchase. Through some internal changes with the supplier, we received great pricing and time frames direct from the home office. They reviewed our system and have proposed to repair (or replace) for a maximum cost of \$48,000. The Integrator time, electrical, installation, site modification, shipping etc. are estimated to be \$20,000. Due to the challenging situation, this has been fast tracked based on the 3-month completion window we are now facing. I am respectfully requesting the council approve this transaction up to a cost of \$68,000.

Regards,

Vic Kane

From the Desk of
Public Works Superintendent Victor Kane