

# MEMO



**To:** Mayor and Board of Aldermen  
**From:** Don Schuette  
**Date:** Thursday, March 17, 2022  
**Re:** Engineering Proposal for Cat Generator Control Upgrade

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Mayor and Board of Alderman,

Please see the attached Engineering Proposal from Blakely and Associates for upgrading the existing Caterpillar diesel generators, units 10,11 and 12. The existing engines and generators protection and control systems are obsolete and unrepairable. We currently have very limited spare parts, and the ones we have on hand are no longer available or repairable by the manufacture (s). The design work, engineering and installation of the updated digital control and protection system is critically needed to insure the reliability of these engines and generators. During the installation, it is expected to take about a week and a half per engine during which time the engine and generator will not be available for service but the other two engines and generators will be available. MPUA will also be notified of the project and engines and generators availability to meet our obligations.

This engineering task is a budgeted item and could begin in the second quarter if parts are available. We are currently searching for the main control and protective parts as they are extremely limited thus difficult to obtain at this time.

If you have any other questions or concerns, please let me know.

Regards,

DFS