



# Business Item 2022-168

Ratification of Emergency Declaration for Seneca Belt Replacement



Environment Committee: June 14, 2022

Craig Edlund / Dan White



# Emergency Declaration Process

- Infrastructure concern identified and investigated
- MCES had a blanket contract with supplier but was not large enough for this repair.
- Determination made that following the Council's Procurement Policy to renew this blanket would unacceptably delay the commencement of work to repair the facility
- Emergency Declaration Document is prepared and signed by the General Manager, Environmental Services
- After review, the Emergency Declaration is authorized by the Regional Administrator, who has delegated authority pursuant to the Council's Procurement Policy.
- Purchase Order was issued to supplier for material and labor for new belt system.
- Emergency Declaration is ratified by Metropolitan Council, if the cost to correct the emergency exceeds \$175,000

# Failure of Seneca Headworks Conveyor



## Catastrophic failure of critical equipment

- Serpentine grit conveyor system at Seneca
- Regular preventive maintenance in place
- Equipment due for major overhaul
- Belt would not stay on track-unable to repair
- 24x7 Manual raking operations until belt replaced
- This manual work is dirty and hazardous



# Slug of Fat/Oil/Grease Hits Seneca Plant



## FOG bog arrived 4 am February 17, 2022

- Local city piping had a large plug of solids in their line
- City jetted out the material which ended up at our plant
- Overloaded and flooded out this building
- Created an excessive load on equipment
- MCES crews worked to get system back online ASAP
- High loading on worn equipment accelerated to a future catastrophic failure?



# Equipment Assessment & Removal



## Repair Scope and Estimate:

- Maintenance team performed an assessment
- It was determined wear/damage beyond repair
- Contacted equipment manufacture for parts availability
- Quickest / most reliable repair was to replace belt and track components. Estimated cost \$181,000
- Quote from supplier exceeded current blanket funds
- Expedited order through emergency declaration
- MCES crews removed existing equipment



# Equipment Installation

## Install new belt system week of May 16, 2022

- Equipment manufacture on-site to install week of May 16, 2022
- Equipment installation began May 17, 2022
- Installation finished & in service 11 am May 19, 2022



# Proposed Action

That the Metropolitan Council ratify the Emergency Declaration attached to the business item for the repairs to the Seneca Plant headworks conveyor.





# Questions

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