

**Business Item 2016-28:**  
**Adoption of the Facility Plan for the  
Metropolitan Wastewater Treatment  
Plant Asset Renewal Plan**

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Environment Committee: February 9, 2016



# Renewal Projects from 2009 Facility Plan

1. Electrical Projects
  - Power cable replacement
  - Electrical power generation
  - Effluent pump emergency generators
  - Non-condensing steam turbine
  - RAS and WAS pump variable frequency drives
2. Lighting Projects
  - Tunnel lighting
  - Building lighting
3. F&I Building 1 Demolition
4. HVAC Improvements
5. Aeration Tank 9-12 Improvements
6. Biofilter Improvements
7. Flotation Thickener Renewal
8. Solids processing improvements
9. Vactor Waste Facility (3 phases)
10. Process Computer System
11. Double Barrel Interceptor
12. Floodwall and Dike Rehabilitation
13. Water Systems Renewal
  - Service water
  - City water
  - Effluent water
14. East Pretreatment Improvements

# Existing Conditions (2015)



# Recommended Renewal Projects from this Facility Plan

## Influent Structures

- South Saint Paul Force Main

## Primary Treatment

- Channel Mixing
- Electric Gate Actuators
- Scum Processing System

## Secondary Treatment

- Aeration Air System

## Plant-Wide Systems

- Underdrain System
- Electrical Distribution
- Roofs (7 buildings)

**Estimated Capital  
Cost = \$137M**

# Project Implementation Schedule

- Authorized to hold public hearing November 2015
- Advertised December 20 – February 5, 2016
- Public hearing held January 26, 2016
- Submittal to MPCA March 2016
- Design 2016 – 2020
- Construction 2017 – 2023

# Proposed Action

That the Metropolitan Council adopt the facility plan for the Metropolitan Wastewater Treatment Plant Asset Renewal Plan, MCES Project Number 808900, by formal Council Resolution 2016-4

# Questions