Welcome!

**Fridley Lift Station**

**Virtual Public Meeting**

November 10, 2020

The meeting will start at 7:00 p.m. Music is playing.
If you do not hear music, please check your audio settings.
Fridley Lift Station (L32A)

Virtual Public Meeting: November 10, 2020

Tim O'Donnell, Project Citizen Liaison/Sr. Info. Coordinator
Tim Wedin, Assistant Manager, Interceptor Engineering
Wastewater Planning & Capital Project Delivery
Metropolitan Council Environmental Services
Introductions

- **Tim O’Donnell**  
  *Metropolitan Council Environmental Services (MCES)*  
  *Project Citizen Liaison/Sr. Info. Coordinator*

- **Tim Wedin**  
  *MCES Assistant Manager*  
  Interceptor Engineering

- **Jeny Baroda**  
  *MCES Principal Engineer*  
  Interceptor Engineering

- **Ashley Osteraas**  
  Zan Associates (MCES Project Communications)

- **Angela Klein**  
  Zan Associates (MCES Project Communications)
Agenda

Welcome and introductions

Presentation

- About MCES
- Project Need
- Work Completed to Date
- Work Activities Currently Underway
- Proposed Facility Improvements for Fridley and Brooklyn Park Sites
- Outreach/Facility Plan Schedule

Questions and answers
Metropolitan Council Environmental Services

WHO WE SERVE
7-county Twin Cities Metro Area
110 communities
2,700,000+ people

OUR FACILITIES
9 wastewater treatment plants
640 miles of interceptors
$7 billion in valued assets

OUR ORGANIZATION
600+ employees
250 million gallons per day (avg)
$150 million / year capital program
Project Location

• Existing Lift Station L32
  - Located in Brooklyn Park at 7700 Mississippi Lane North

• Proposed Lift Station L32A
  - 6900 E River Road in Fridley, on MCES property which previously was the site of Camp Lockeslea
  - Located across the Mississippi River from the existing lift station
Existing Conditions

- L32 (Brooklyn Park) is 50 years old
- Components such as the structure, piping, and controls show signs of deterioration, requiring replacement
- Failures at the lift station have resulted in back-ups of wastewater into neighboring homes
- There are odor complaints due to inability to address air flow at the current facility
- Lift station is almost at full capacity with the existing flow conditions
Drivers for New Facility

• The existing lift station is 50 years old and has reached the end of its useful life.
  - Condition assessments have documented structural mechanical, and electrical deficiencies.
  - Deficiencies have led to system failures resulting in back up of wastewater into homes which has caused damage to private property.
  - Deficiencies have also resulted in odor issues.

• The existing lift station L32 conveys most of the flow from the northwest metropolitan area.
  - L32 does not have sufficient capacity to serve the current and future needs of the area.
Activities Completed to Date

- Upstream and downstream system modeling
- Pump concept design
- Odor control study
- Siphon study
- Storage study
- Archeological Phase I and Phase II study
- Site survey and tree survey
- Geotechnical report
- Wetland delineation
Current Work Activities

• Girl scout lease
  - Girl Scout River Valley requested lease termination effective October 1, 2020

• Development of documents for demolition contract
  - Demolition of existing buildings
  - Repair of existing fence
  - Installation of gates
  - Placement of “No Trespassing” signs
New Fridley Lift Station

• Features being incorporated into the new lift station design
  - Improved resiliency
  - Odor control
  - Structure sized to handle increasing flows due to regional growth
    • 48 Million gallons per day 20-year flow design
    • 67 Million gallons per day ultimate flow design
Conceptual Plan for Fridley Site

- Proposed 8 Pump Lift Station
- Odor Control
- Generators
- Headworks
- Transformer

Location:
- East River Rd NE
Brooklyn Park Site

- Remaining facilities on existing site
  - Control structures for the siphons
  - Odor control facilities
Conceptual Plan for Brooklyn Park Site

- Street & Utility Easement
- MCES Property Limits
- Proposed Temporary Diversion Structure w/Access Hatch
- Control Building
- Generator
- Proposed Siphon Structure w/Access Hatch
- Brookdale Dr Easement
- Mississippi Ln
Key Dates

Facility Plan Schedule

Fall 2020
- Facility Plan Development

November 10, 2020
- Virtual Open House

December 17, 2020
- Virtual Public Hearing

Project Schedule

Early 2021
- Final Facility Plan

2021
- Design

2022

2023
- Construction

2026
Estimated costs and funding

• Project costs
  – Budgeted $35M construction cost
  – Paid for through existing municipal and industrial wastewater rates.

• Project funding
  – Loan from the Minnesota Public Facilities Authority
  – Below market-rate loans used to fund eligible projects which helps keep wastewater rates low
Project Contacts

Website
Metrocouncil.org/sewerconstruction/fridley

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Visit our project website for more information and to sign up to receive our project email updates.