Program 8076 – Minneapolis Interceptor Rehabilitation

Description
This program provides funding to address capital improvements for the interceptors that serve Minneapolis and the surrounding areas.

Purpose and justification
The program provides for the implementation of improvement and renewal projects needed to provide continued service to the metropolitan region and capacity to accommodate projected growth of the region.

Program location
The active projects within this program are in the following Council districts: 5, 6, 7, 8, 13, 14, and 16

Active projects in program

<table>
<thead>
<tr>
<th>Project Number</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>807600</td>
<td>Minneapolis Interceptor System Rehabilitation (Parent Project)</td>
</tr>
<tr>
<td>807640</td>
<td>Maintenance Access Structures</td>
</tr>
<tr>
<td>807650</td>
<td>Minneapolis Joint Sewer Study</td>
</tr>
<tr>
<td>807670</td>
<td>Minneapolis Interceptor Odor Control Study – Phase 1</td>
</tr>
</tbody>
</table>

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Environmental Services 2024 through 2029 Capital Program

- Authorized Capital Program (ACP): $9,558,910
- Capital Improvement Plan (CIP): $0

Estimated program cash flow from 2024 through 2029
Note: the ACP is the total amount of all past and present authorizations including pre-2024 expenses.
Project location: Council districts #1 to 16, various locations in the Cities of Minneapolis and Saint Paul

**Project type**
Interceptor Improvements

**Objectives**
Asset Preservation

**Scope**
Repair existing maintenance holes and hatches and patch holes in corrugated metal pipe pipe-in-pipe.

**Project need**
Repairs required to maintain level of service related to inflow and infiltration (I/I) and odors.

**Project schedule:**
- Planning: 2023
- Design: 2023
- Construction: 2023

**Financial analysis**
- 2024 cash flow: $100,000
- Current ACP: $1,112,000
- 2024 through 2029 cash flow: $100,000
- Total project cost: $1,112,000
**Project type**  
Study

**Objectives**  
System Expansion

**Scope**  
Multiyear joint study with the City of Minneapolis to collect sanitary flow data at various locations throughout the city. Data will be used for inflow and infiltration (I/I) evaluation, hydraulic modeling, and prioritizing future system improvements in both the local and regional collection systems.

**Project need**  
Some of the oldest regional assets are in Minneapolis with some interceptors dating back to the 1880’s and reflect a once combined storm/sanitary collection system. Growth within, and outside of Minneapolis needs to be accommodated through much of the regional system within the city. This coupled with I/I impacts on system flow identified a need to evaluate long-term system capacity needs and the ability of the system to accommodate anticipated flows.

**Project schedule:**
- Planning: N/A
- Design: N/A
- Construction: N/A

**Financial analysis**
- 2024 cash flow: $400,000
- Current ACP: $6,408,000
- 2024 through 2029 cash flow: $400,000
- Total project cost: $6,408,000
Minneapolis Interceptor Odor Control Study – Phase 1
Program family 8076

Project location: Council districts #5, 6, 7, 8, 13, 14, and 16, Cities of Richfield, Minneapolis, Saint Paul, and Golden Valley and Eureka Township

Project type
Interceptor Improvements

Objectives
Asset Preservation

Scope
Model air and wastewater flows, deploy field instruments, and collect samples to identify individual odor sources and propose odor management strategies at the direction of the ES Odor Management Team.

Project need
Consistent improvement of odor mitigation efforts is required to meet ES customer level of service goals.

Project schedule:

| Planning: 2018 through 2023 | Design: N/A | Construction: N/A |

Financial analysis

| 2024 cash flow: | $250,000 |
| Current ACP: | $1,573,000 |
| 2024 through 2029 cash flow: | $250,000 |
| Total project cost: | $1,573,000 |