Program 8056
Meter Improvements

Description:
This Program provides funding to upgrade MCES’s ability to measure flows for billing, operational, and planning purposes and standardize meter equipment at similar facilities. Meter improvements include meter rehabilitation or replacement, planning meter installation, and new meter installation.

Purpose and Justification:
Accurate flow metering is the basis of the MCES' billing system. It is essential that our customers trust the reliability and accuracy of the flow metering system. The project provides a systematic approach for capital improvements to the flow metering system. Increases in flow, greater emphasis on capturing peak flows stemming from MCES’ infiltration/inflow program, normal facility rehabilitation needs, and the need for additional flow metering locations for system planning purposes are driving this meter improvements project.

Program Location:
The active projects within this program are in the following Council Districts: District # 1 & 2

Active Projects in Program:

<table>
<thead>
<tr>
<th>Project Number</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>805600</td>
<td>Meter Improvements (Parent Project)</td>
</tr>
<tr>
<td>805601</td>
<td>Meter Station Property Maintenance</td>
</tr>
<tr>
<td>805603</td>
<td>2020 Meter Improvements</td>
</tr>
<tr>
<td>805636</td>
<td>Replacement Meter Vault M228</td>
</tr>
</tbody>
</table>
MCES 2021 – 2026 Capital Program:

Authorized Capital Program (ACP) $19,826,000
Capital Improvement Plan (CIP) $1,500,000

Estimated Program Cash Flow 2021 - 2026:

Note: The ACP is the total amount of all past and present authorizations including Pre-2021 Expenses.
Replacement Meter Vault M228

**Project Location:**
- Council District # 2
- City of Brooklyn Park

**Program Family:** 8056
- Project # 805636

**Map of project location**

**PROJECT TYPE:** Interceptor Improvements

**OBJECTIVES:**
- Preservation

**CUSTOMER LEVEL OF SERVICE:**
- Comply with Permits, Minimize Impacts, Be A Good Neighbor, Communicate Information, Engage Customers, Coordinate with Others and Preserve Assets

**SCOPE:**
- Replace existing Meter M228

**PROJECT NEED:**
- Replace and update meter due to corrosion and difficult access. Meter is important to ensure accuracy of cost distribution among communities.

**PROJECT SCHEDULE**

<table>
<thead>
<tr>
<th>Planning</th>
<th>Design</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>2020-2021</td>
<td>2022-2023</td>
</tr>
</tbody>
</table>

**FINANCIAL ANALYSIS**

<table>
<thead>
<tr>
<th>2021 Cash Flow</th>
<th>Current ACP</th>
<th>2021 – 2026 Cash Flow</th>
<th>Total Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,500,000</td>
<td>$2,176,000</td>
<td>$5,715,000</td>
<td>$7,126,800</td>
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