

Program 8056 Meter Improvements



Image of flow meter typ.

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

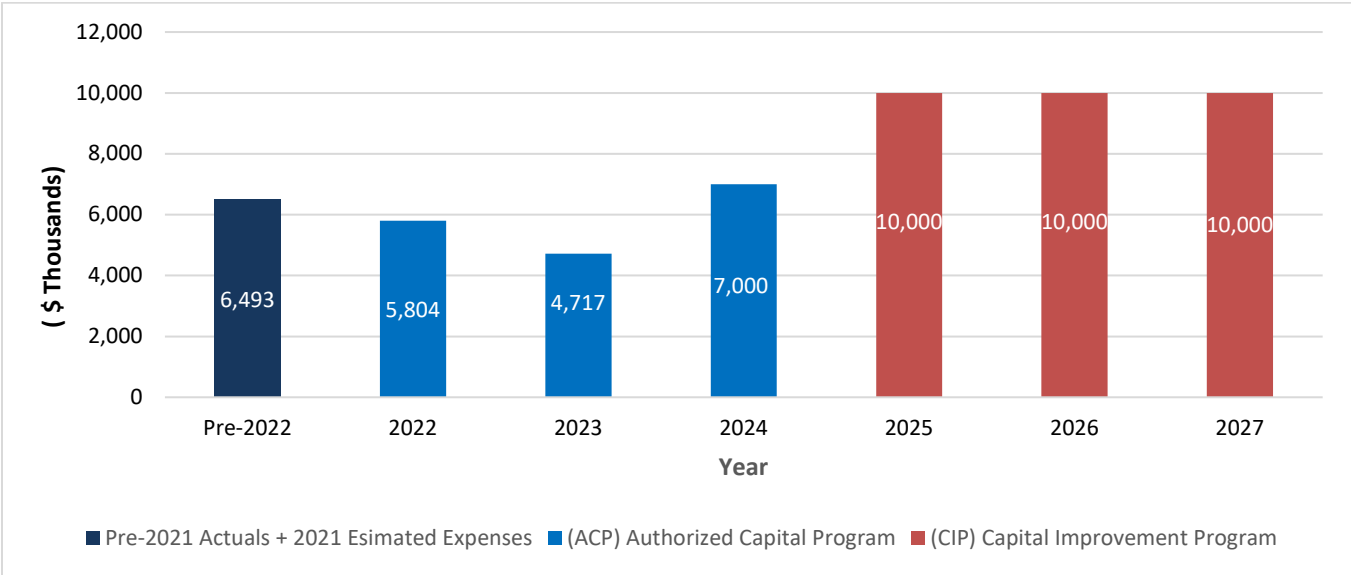
Active Projects in Program:

Project Number	Project Title
805600	Meter Improvements (Parent Project)
805601	Meter Station Property Maintenance
805603	2020 Meter Improvements
805604	Meter M061 Rehabilitation
805605	Meter M106 Rehabilitation
805636	Replacement Meter Vault M228

MCES 2022 – 2027 Capital Program:

Authorized Capital Program (ACP) \$24,014,000	Capital Improvement Plan (CIP) \$30,000,000
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Estimated Program Cash Flow 2022 - 2027:



Note: The ACP is the total amount of all past and present authorizations including Pre-2022 Expenses.

Program Family: 8056
Project # 805605

Meter M106 Modifications

Project Location:
Council District # 2
City of Columbia Heights



PROJECT TYPE:	Interceptor Improvements
OBJECTIVES:	Preservation
CUSTOMER LEVEL OF SERVICE:	Minimize Impacts, Be A Good Neighbor, Engage Customers, Coordinate with Others, and Preserve Assets
SCOPE:	Replace existing parshall flume, structure modifications and improvements.
PROJECT NEED:	Adjust structure to accommodate road and trail improvements. Replace and update meter to improve accuracy and address condition.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2022 Cash Flow \$200,000	Current ACP \$1,300,000	2022 – 2027 Cash Flow \$1,300,000	Total Project Cost \$1,300,000
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Program Family: 8056
Project # 805636

Replacement Meter Vault M228

Project Location:
Council District # 2
City of Brooklyn Park



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



FINANCIAL ANALYSIS

2022 Cash Flow \$3,200,000	Current ACP \$7,483,000	2022 – 2027 Cash Flow \$6,817,000	Total Project Cost \$7,483,000
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