

Program 8103 – Metro WRRF Restoration & Improvements



Metropolitan Water Resource Recovery Facility (WRRF)

Description

This program provides funding for planning and implementation of projects to address renewal and future permit needs at the Metropolitan Water Resource Recovery Facility (Metro WRRF). The renewal work continues the previous program 8089 Metro WRRF Asset Renewal and includes renewal of Fluidized Bed Reactors (FBRs) 1-3, which has been moved from program 8602 Metro WRRF Solids Improvements to apply for PFA funding approval under this program 8103.

Purpose and justification

Planning work is based on condition assessments of liquids processing, solids processing and system-wide facilities, and anticipated future permit requirements.

Program location

The active projects within this program are in the following Council Districts: 13

Active projects in program

Project Number	Project Title
8103XX	Fluidized Bed Reactors (FBRs) 1-3 Renewal

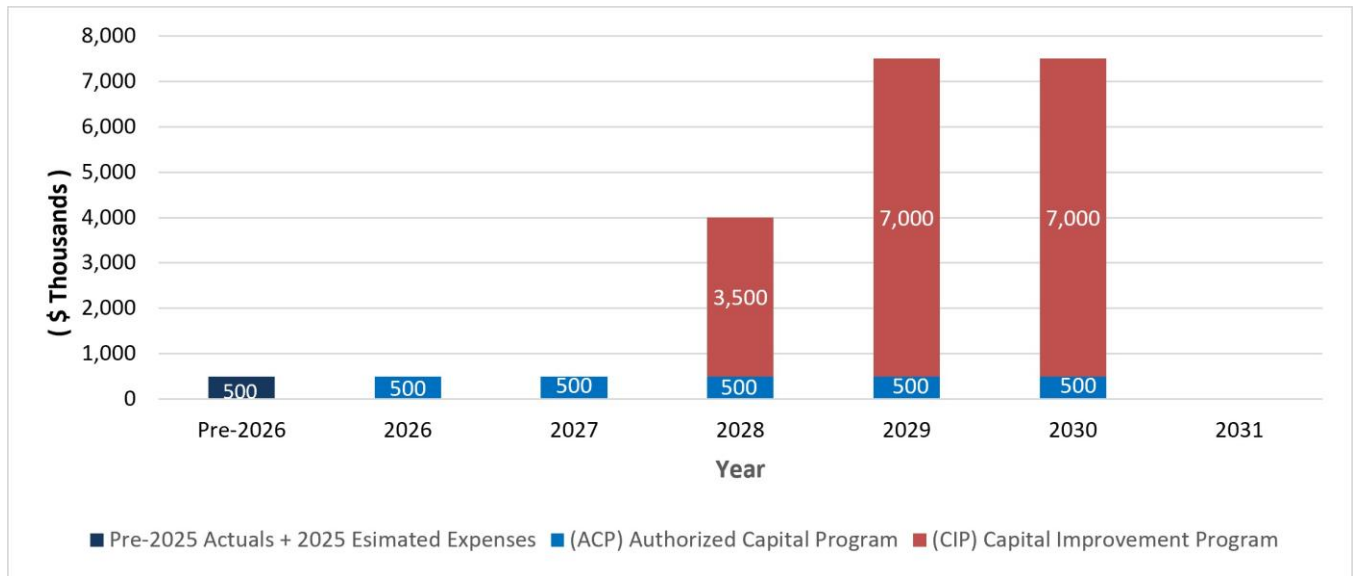
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Environmental Services 2026 through 2031 Capital Program

- Authorized Capital Program (ACP): \$3,000,000
- Capital Improvement Plan (CIP): \$17,500,000

Estimated program cash flow from 2026 through 2031

Note: the ACP is the total amount of all past and present authorizations including pre-2026 expenses.



Project location: Council District #13, City of Saint Paul, Metro WRRF



Gravity Thickening Metal Repair



Cake Bin Material Improvements



Incinerator Refractory Rehabilitation

Project type
Facility

Objectives
Asset Preservation

Scope
This project will renew solids processing systems at the Metropolitan Water Resource Recovery Facility (WRRF), including thickening, sludge storage, dewatering, incineration, and support systems.

Project need
Solids processing systems associated with FBRs 1-3 are over 20 years old and some components are near end of useful life. Renewal is needed to extend service life and increase service availability.



Planning: 2025 through 2026



Design: 2027 through 2028



Construction: 2029 through 2031

Financial analysis
2026 cash flow:
Current ACP:
2026 through 2031 cash flow:
Total project cost:

\$0
\$0
\$17,500,000
\$21,000,000