

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 from two previous programs, 8059 Metro WRRF Rehabilitation and Facilities Improvements and 8089 Metro WRRF Asset Renewal.

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

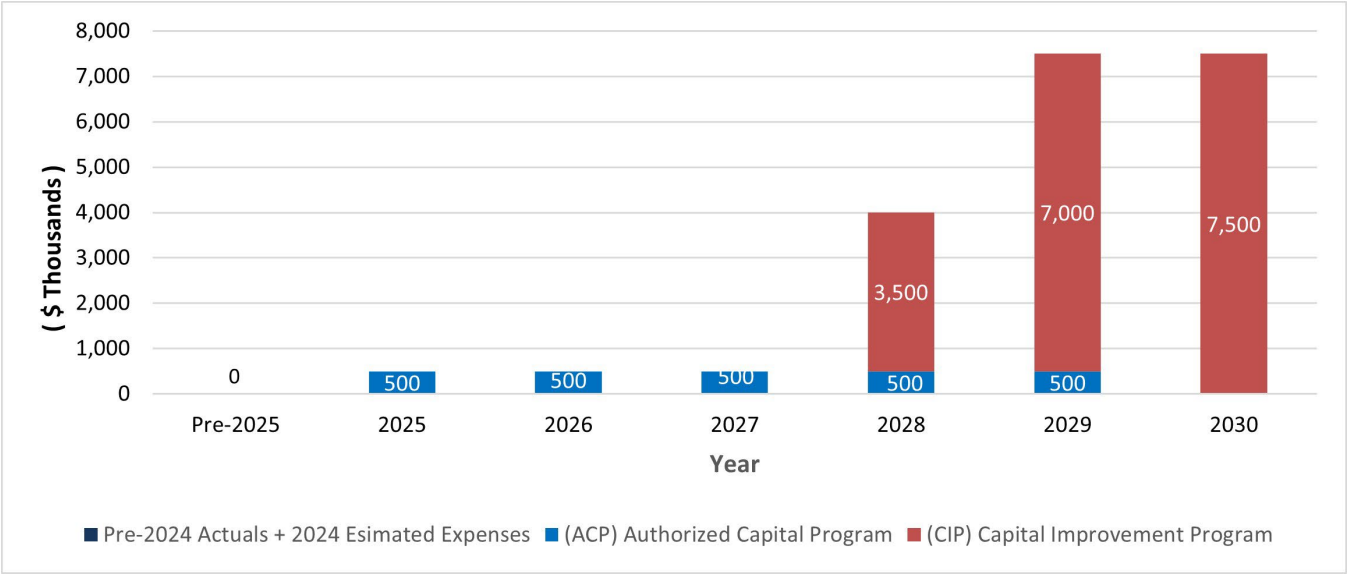
Project Number	Project Title
8103XX	Fluidized Bed Reactor (FBR) 1-3 Renewal

Environmental Services 2025 through 2030 Capital Program

- Authorized Capital Program (ACP): \$2,500,000
- Capital Improvement Plan (CIP): \$18,000,000

Estimated program cash flow from 2025 through 2030

Note: the ACP is the total amount of all past and present authorizations including pre-2025 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 include renewal of solids processing systems at the Metropolitan Water Resource Recovery Facility (WRRF). Systems to be renewed will include thickening, sludge storage, dewatering, incineration, and support systems.

Project need
A major renewal of the incineration system is needed as components of the incinerator system will be over 20 years old and at the end of their useful life. Renewal is needed to extend the service life of assets and increase service availability.



Planning: 2025 through 2026



Design: 2027 through 2028



Construction: 2029 through 2031

Financial analysis

2025 cash flow:	\$0
Current ACP:	\$0
2025 through 2030 cash flow:	\$17,500,000
Total project cost:	\$21,000,000