

A photograph of a wastewater treatment plant. In the foreground, there is a large, circular concrete tank filled with blue water. A concrete walkway curves around the left side of the tank. In the background, there are several large white cylindrical storage tanks and some industrial buildings under a clear sky.

Program 8097 Blue Lake WWTP Solids Improvements

Blue Lake WWTP

Description:

This program provides funding for planning and implementation of projects to address renewal and capacity needs to improve performance for wastewater solids processing at the Blue Lake Wastewater Treatment Plant (WWTP).

Purpose and Justification:

The program provides for planning and implementation of projects to address renewal and capacity needs and to improve performance for wastewater solids processing at the Blue Lake WWTP.

Program Location:

The active projects within this program are in the following Council Districts: 4

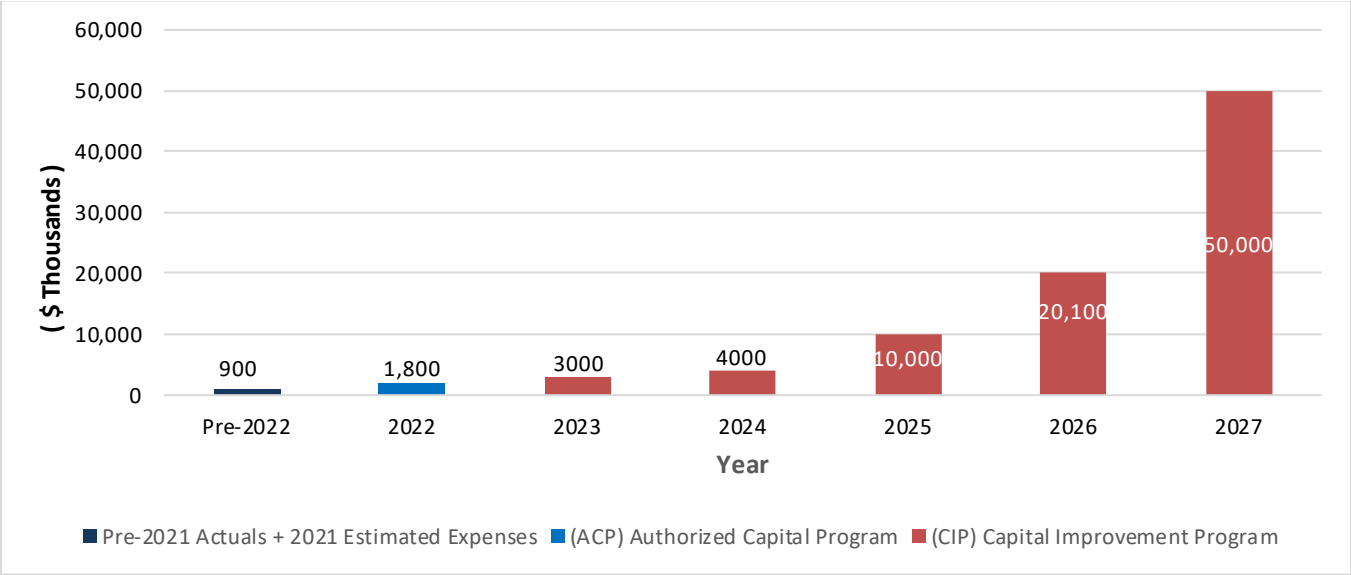
Active Projects in Program:

Project Number	Project Title
809700	Blue Lake WWTP Solids Improvements

MCES 2022 – 2027 Capital Program:

Authorized Capital Program (ACP) \$2,700,000	Capital Improvement Plan (CIP) \$87,100,000
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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: 8097
Project # 809700

Blue Lake WWTP Solids Improvements Phase 1

Project Location:
Council District # 4
City of Shakopee
Blue Lake WWTP



PROJECT TYPE:	Wastewater Treatment Plant
OBJECTIVES:	Preservation and Improvement
CUSTOMER LEVEL OF SERVICE:	Communicate Information and Preserve Assets
SCOPE:	Develop a facility plan and begin implementing recommended scope items. Phase 1 includes the addition of a second dryer, rehabilitation of the first dryer, and the addition of a digester on the solids side. There will also be diffuser replacements and expansion of the secondary clarifiers.
PROJECT NEED:	Wastewater solids drying facilities over 20 years old and are nearing end of its useful life.

PROJECT SCHEDULE



FINANCIAL ANALYSIS

2022 Cash Flow \$1,000,000	Current ACP \$2,700,000	2022 – 2027 Cash Flow \$88,000,000	Total Project Cost \$114,700,000
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