

# 836380 - WPCP Digester No. 3 Improvement Project

<b>Originating Year:</b>	2023	<b>Project Type:</b>	Wastewater	<b>Department:</b>	270 - Environmental Services
<b>Planned Completion Year:</b>	2024/25	<b>Category:</b>	Infrastructure	<b>Project Manager:</b>	Richard Chen

## Project Description/Scope/Purpose

The Digester No.3 Improvement project will repair the failed interior and exterior annular tank lid seal. This seal prevents methane gas which is collected at the top of the tank from leaking out to atmosphere. In order to increase the life of the epoxy seal the tank lid skirt which extends into the tank will be lengthened to prevent exposure to the methane gas. In addition, a new larger side hatch will be installed similar to the Digester 1 and 2. The removal of the tank lid will facilitate the hatch installation. The larger hatch will facilitate safer entries into the tank by plant staff and contractors.

## Project Evaluation and Analysis

This project was initially developed for construction under the plant Maintenance program. However, due to the scale of the project it has been determined that a Public Works project is needed to complete the project. The design and construction estimate has been completed by an outside engineering firm. This digester is currently operating under a very constrained operating level due to the failed seal. The start of construction will be coordinated with the Water Pollution Control Plant (WPCP) construction around the Digester No.3 due to limited space.

## Fiscal Impact

This project is funded by Wastewater Fund utility rates. Rates are set to cover the cost of operations and capital projects required to maintain the system and provide Wastewater service. Funds from project 836390 - WPCP Chemical Tank Storage Facility - were moved into this project.

## Funding Sources

Wastewater Management Fund

## Plans and Goals

EM - Environmental Management - EM-7: Effective Wastewater Treatment

EM - Environmental Management - EM-11: Improved Air Quality

## Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	19,758	-	-
2024-25	2,230,243	-	-
2025-26	430,000	-	-
2026-27	-	-	-
2027-28	-	-	-
2028-29	-	-	-
2029-30	-	-	-
2030-31	-	-	-
2031-32	-	-	-
2032-33	-	-	-
2033-34	-	-	-
2034-35	-	-	-
2035-36	-	-	-
2036-37	-	-	-
2037-38	-	-	-
2038-39	-	-	-
2039-40	-	-	-
2040-41	-	-	-
2041-42	-	-	-
2042-43	-	-	-
2043-44	-	-	-
2044-45	-	-	-
<b>20 Year Total</b>	<b>430,000</b>	-	-
<b>Grand Total</b>	<b>2,680,000</b>	-	-