

Project Title: 830220 - Repairs to the Tertiary Process

Project Category:	Infrastructure	Project Approved Status:	Funded
Project Type:	Wastewater	Oracle Program Parent 1:	270 - Environmental Services
Project Phase:	Underway	Project Manager:	Leonard Espinoza
Year Identified:	2008	Project Origin:	Staff
Estimated Comp. Yr:	2025/26	Council District:	City Wide
Report to Council Number:		Interdependencies:	

No Carryover	<input type="checkbox"/>	Prevent Inflation	<input type="checkbox"/>	Meets Capitalization Threshold	<input type="checkbox"/>
Technology Component	<input type="checkbox"/>	Park Dedication Eligible	<input type="checkbox"/>	Art in Public Places Eligible	<input type="checkbox"/>
IT Steering Committee	<input type="checkbox"/>	Project Administration	<input type="checkbox"/>	Art in Private Development Required	<input type="checkbox"/>

Project Description/Scope/Purpose:

This project funds the rehabilitation of the tertiary treatment process at the Water Pollution Control Plant (WPCP). Master Planning for the WPCP rebuild has identified that the tertiary process at the facility will most likely not change in technology. However, electrical and instrumentation upgrades will be needed in the future to integrate with the new treatment plant along with rehabilitation of existing equipment.

In the interim, some extensive rehabilitation is necessary to maintain operations of the WPCP and compliance with the City's NPDES permit. The tertiary process of the WPCP consists of four Dual Media Filters (DMF), which are large tanks filled with sand and anthracite coal that provide filtration, and disinfection facilities consisting of chlorine contact tanks. Most rehabilitation will be completed by the pending Existing Plant Rehabilitation Project.

This Project will address items not included in the Existing Plant Rehabilitation Project.

Project Evaluation and Analysis:

Project implementation is phased over several years to allow for continued operation of the WPCP and sequencing of the processes and equipment to ensure adequate processing capacity for the incoming wastewater. Mechanical, electrical and control system evaluations were conducted, and the final condition assessment report was used to develop and design the Existing Plant Rehabilitation Project. Due to the Existing Plant Rehabilitation Project Budget constraints some identified areas in the condition assessment report were excluded from the project. Project items identified that may be addressed in this project are the Tertiary Controls System repairs, Filtered Water Pump replacements, coatings and DMF media replacements. Pond effluent flow bypass pipping is essential for the operation of the tertiary system. Funds may also be used for modifications of the emergency pond effluent bypass piping installation.

Fiscal Impact:

The project is funded by Wastewater Management Fund revenues. Existing implementation funds are proposed to support rehabilitation or replacement of the tertiary process equipment through FY 2025/26 in alignment with the Plant Rehabilitation.

Funding Sources:

Wastewater Management Fund

Explanation of Change:

Changed the Fiscal Impact and Estimated Completion Year to 2025/26 LE 12/120/24
 Changed future cost to 2025 LE 12/20/24
 Changed Council District from 6 to city wide, per Finance. LE 1/21/25

Plans and Goals:

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

Actuals

830220 - Repairs to the Tertiary Process

Expenditures	Revenues	Transfers	Expenditures	Revenues	Transfers
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