

CAPITAL IMPROVEMENT PLAN FY2024 - FY2028

PROGRAM: WASTEWATER

Program Priority: **8**

PROJECT NAME: 4.0 MGD Expansion of SWWRF (to 8.0 MGD)

CIP NUMBER: WW2201

CONTACT PERSON: Jody Hooks

PROJECT COST BY FISCAL YEAR

Project Cost	Previously Appropriated	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Future Years	Total
Planning/Design	6,063,006							\$6,063,006
Land								\$0
Construction				94,482,635				\$94,482,635
Equip/Furnishings								\$0
Total Cost	\$6,063,006	\$0	\$0	\$94,482,635	\$0	\$0	\$0	\$100,545,641

FUNDING SOURCE BY FISCAL YEAR

Funding Source	Previously Appropriated	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Future Years	Total
Prior Bonds								\$0
Future Bonds				94,482,635				\$94,482,635
Potential Grant(s)								\$0
Park Dedication Fees								\$0
4B Funding								\$0
CRF Funds	6,063,006							\$6,063,006
Other: Cash								\$0
Total Funding	\$6,063,006	\$0	\$0	\$94,482,635	\$0	\$0	\$0	\$100,545,641

PROJECT DESCRIPTION

This project was identified in the 2018 WW Master Plan and includes the construction of an additional 2.0 MGD of wastewater treatment capacity at SWWRF. The facility is currently permitted for 4.0 MGD average daily flow and was project to increase to 8.0 MGD. Projected rate of westside development will be evaluated to determine if this capacity upgrade should be increased to a 4.0 MGD expansion versus the proposed 2.0 MGD. This would increase treatment capacity to 8.0 MGD and create potential savings based on the economy of scale of construction cost. The project will add a mirror process train of the existing SWWRF and will include additional aeration basin, blower, wet well expansion, secondary clarifier, UV channel, tertiary disk filter, digester, dewatering unit, and all peripheral electrical, instrumentation, pumps, odor control, and SCADA upgrades.

2018 CRF update = 35% of project qualifies for CRF funding

PROJECT JUSTIFICATION

Current wastewater flow projections in the SWWRF service area show the need for additional treatment capacity within the next five years to sustain current and future growth. The TCEQ 75/90 Rule requires Wastewater Treatment Facilities to initiate the design of a capacity expansion when annual average flows exceed 75 percent of the permitted flow for three consecutive months and to begin construction when the same flows reach 90 percent.

ADDITIONAL CONSIDERATIONS

	YES	NO	Recurring M&O Costs	Amount
Is the project necessary under State/Federal Mandate, contractual obligation, or City Code?		NO	Personnel/Benefits (50xx)	\$0
			Supplies (51xx)	\$15,000
Will this project create future Capital Projects?		NO	Repairs/Maintenance (52xx)	\$10,000
Is your request in the current C I P ?	YES		Services (53xx)	\$36,000
If yes, has the cost of the project changed?	YES		TOTAL	\$61,000