

FY 26 thru FY 28

Capital Improvement Plan

Corpus Christi, Texas



Project # 18070
Project Name Greenwood WWTP Flood Mitigation & Backup Generator

Contact	Director of Corpus Christi Water	Department	Wastewater
Type	Improvement/Additions	Category	Wastewater Treatment
Priority	Priority Level 1	Status	Active
Useful Life	25 years	Council District	3

Description

Greenwood WWTP was constructed in 1957 and last modified in 1980 has an average flow capacity of 8 MGD and a peak flow capacity of 24 MGD. The Greenwood WWTP services the Greenwood Service Basin composed of 18 Lift stations. Greenwood service basin covers an area from Hunter Road at its northern most point to Chapman Ranch Road at its southern most point encompassing an area of roughly 38 square miles. In the past decade, the GWWTP has experienced at least two (2) major flooding events that have caused damage to equipment, endangered personnel, inhibited the plant's ability to disinfect and meter the wastewater and caused wastewater overflows to La Volla Creek. The objectives of this project are to construct cost-efficient flood proofing improvements and install a plant backup generator to ensure the normal operations and safety when the GWWTP is subject to heavy rainstorms and power outage. This project continues into the long-range plan.

Justification

This project aims to protect the critical plant units from flooding hazards and provide normal operations in the event of heavy rain and associated power outages. Addressing these risks, preserves wastewater treatment capability, and ensures uninterrupted operations during adverse weather conditions.

Expenditures	Prior	FY 26	FY 27	FY 28	Total
Construction/Rehab	0	0	8,468,490	4,500,000	12,968,490
Eng, Admin Reimbursements	71,696	50,000	790,064	400,000	1,311,760
Design	445,470	385,065	788,801	0	1,619,336
Total	517,166	435,065	10,047,355	4,900,000	15,899,586

Funding Sources	Prior	FY 26	FY 27	FY 28	Total
Grant - CDBG - MIT	0	435,065	7,997,355	0	8,432,420
Revenue Bonds	517,166	0	2,050,000	4,900,000	7,467,166
Total	517,166	435,065	10,047,355	4,900,000	15,899,586

Budget Impact

This project will provide operational resiliency for the Greenwood wastewater treatment plant independent of the power grid in the event of power outages. Preventing overflows and maintaining regulatory compliance.