

# Capital Improvement Plan

## City of Corpus Christi, Texas

2025 *thru* 2027

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

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



### 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 Years    | 2025             | 2026             | 2027             | Total             |
|---------------------------|----------------|------------------|------------------|------------------|-------------------|
| Construction/Rehab        |                | 6,000,000        | 2,057,380        | 4,500,000        | 12,557,380        |
| Design                    | 445,470        | 185,065          |                  |                  | 630,535           |
| Contingency               |                | 500,000          |                  |                  | 500,000           |
| Eng, Admin Reimbursements | 71,696         | 650,000          | 200,000          | 400,000          | 1,321,696         |
| <b>Total</b>              | <b>517,166</b> | <b>7,335,065</b> | <b>2,257,380</b> | <b>4,900,000</b> | <b>15,009,611</b> |

| Funding Sources    | Prior Years    | 2025             | 2026             | 2027             | Total             |
|--------------------|----------------|------------------|------------------|------------------|-------------------|
| Grant - CDBG - MIT |                | 5,285,065        | 2,257,380        |                  | 7,542,445         |
| Revenue Bonds      | 517,166        | 2,050,000        |                  | 4,900,000        | 7,467,166         |
| <b>Total</b>       | <b>517,166</b> | <b>7,335,065</b> | <b>2,257,380</b> | <b>4,900,000</b> | <b>15,009,611</b> |

### Budget Impact/Other

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.