

Capital Improvement Plan
City of Corpus Christi, Texas

2022 *thru* 2024

Project # 18130
Project Name ONSWTP Sedimentation Basin Improvements



Type Improvement/Additions
Useful Life 40 years
Category Water Treatment
Department Water Department
Contact Director of Water Utilities
Priority 1 Critical-Health & Safety

Status Active

Description

The existing Trac-Vac solids collector system at ONSWTP Plant 1 primary sedimentation basin is obsolete and has exceeded its useful design life. The existing system has a constant maintenance problem for plant operations and often fails due to lost suction or hanging up in the solids blanket. As a result, it is inefficient and ineffective at removing solids from the basins. Accumulation of solids impacts the plant's ability to reliably treat water. This project will conduct a preliminary design to determine alternatives and best option for replacing the existing system, develop detailed design and construction documents, and provide construction phase services. This project will also address one-time removal and disposal of accumulated sludge and existing vegetation in ONSWTP process lagoons.

Justification

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

Expenditures	Prior Years	2022	2023	2024	Total
Construction/Rehab	2,428,705	6,000,000	3,560,000		11,988,705
Testing		200,000			200,000
Inspection		475,000	200,000		675,000
Design	862,388	460,000	10,000		1,332,388
Contingency	49,000	130,000	150,000		329,000
Eng, Admin Reimbursements	272,624	750,000	430,000		1,452,624
Total	3,612,717	8,015,000	4,350,000		15,977,717

Funding Sources	Prior Years	2022	2023	2024	Total
Revenue Bonds	3,612,717	8,015,000	4,350,000		15,977,717
Total	3,612,717	8,015,000	4,350,000		15,977,717

Budget Impact/Other

There is no projected operational impact with this project at this time. A reassessment will be done upon completion of project to determine on-going or maintenance costs.