

Capital Improvement Plan
City of Corpus Christi, Texas

2024 *thru* 2026

Category: Water
 RFQ 5036 Cat. No. C-9

Project # 23059
Project Name ONSWTP Solids Handling & Disposal Facility



Type Improvement/Additions
Useful Life 40 years
Category Water Treatment

Department Water Department
Contact Director of Water Utilities
Priority Critical-Health & Safety
Council District 1

Status Active

Description

The purpose of this project is to design and construct a new solids handling facility at O.N. Stevens WTP. ONSWTP uses conventional water treatment processes (coagulation, flocculation, sedimentation, filtration) for removal of turbidity and naturally occurring organic matter. The combination of these processes generates a solids waste stream that is stored using three (3) on-site and four (4) off-site lagoons. Once filled, the on-site lagoons require the City to hire a 3rd party contractor to remove accumulated solids, dewater and haul to the landfill. Further, the initial solids storage permit allowed for permit renewals of off-site lagoon storage only until 2026. It is essential that a new solids handling facility be built at ONSWTP as a long term solution to manage solids.

Justification

ONSWTP has limited capacity in on-site lagoons and off-site lagoons for solids storage.

| Expenditures | Prior Years | 2024 | 2025 | 2026 | Total |
|---------------------------|--------------------|------------------|------------------|-------------------|-------------------|
| Construction/Rehab | | | 4,000,000 | 20,000,000 | 24,000,000 |
| Design | | 3,000,000 | | | 3,000,000 |
| Contingency | | | | 500,000 | 500,000 |
| Eng, Admin Reimbursements | | 300,000 | 400,000 | 500,000 | 1,200,000 |
| Total | | 3,300,000 | 4,400,000 | 21,000,000 | 28,700,000 |

| Funding Sources | Prior Years | 2024 | 2025 | 2026 | Total |
|------------------------|--------------------|------------------|------------------|-------------------|-------------------|
| Revenue Bonds | | 3,300,000 | 4,400,000 | 21,000,000 | 28,700,000 |
| Total | | 3,300,000 | 4,400,000 | 21,000,000 | 28,700,000 |

Budget Impact/Other

An assessment will be done upon completion of project to determine maintenance costs. The cost to treat the water should be reduced due to plant efficiencies.