

Capital Improvement Plan
City of Corpus Christi, Texas

2023 *thru* 2025

Project # 22406
Project Name ONSWTP Recycle Pond Improvements



Type Reconditioning-Asset Longevity **Department** Water Department
Useful Life 40 years **Contact** Director of Water Utilities
Category Water Treatment **Priority** 2 Critical- Asset Condition\longevity

Status Active

Description

The O.N.Stevens Water Treatment Plant utilizes Lagoon -7 also known as wash-water recycle pond for decanting solids from backwash water sent by the filters. The decanted water is pumped back to the head of the plant with the help of existing wash-water return pump station located adjacent to the berms. The berm around the ponds is currently experiencing leakage and deterioration that has occurred as a result of this leakage along with weather, runoff, and destructive pests. Leakage has also been observed at the wash-water return pump station. This has necessitated condition assessment to identify extent of damage followed by repairs to prevent failure and reduce leakage. After performing a detailed condition assessment and developing recommendations, necessary repairs shall be carried out to establish the integrity of the earthen berm and associated facilities to ensure compliance with state and federal regulations, and protect the safety of people, property, and the environment as well as aid in optimizing recycled water return.

Justification

Proposed improvements will repair earthen berms, stop leakage at the pond and at pump station in order to maintain compliance with state and federal regulations, as well as reduce water loss and ensure safe working conditions at the plant.

Expenditures	Prior Years	2023	2024	2025	Total
Construction/Rehab			1,550,000	1,380,000	2,930,000
Inspection			100,000	170,000	270,000
Design		500,000			500,000
Eng, Admin Reimbursements		50,000	500,000	500,000	1,050,000
Total		550,000	2,150,000	2,050,000	4,750,000

Funding Sources	Prior Years	2023	2024	2025	Total
Revenue Bonds		550,000	2,150,000	2,050,000	4,750,000
Total		550,000	2,150,000	2,050,000	4,750,000

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.