

Capital Improvement Plan

City of Corpus Christi, Texas

2023 *thru* 2025

Project # 22405
Project Name ONSWTP Navigation Pump Station 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 City of Corpus Christi owns the Navigation Pump Station (PS), located at 152 North Navigation Blvd, Corpus Christi, Texas, which consists of 2 - 10 MG tanks. Under the current distribution system set up, the pump station does not contribute to maintenance of system pressure and was taken out of service in 2018 . This project includes changes to Navigation Pump Station and surrounding distribution piping to help the City improve water delivery and water quality in the distribution system. A feasibility study followed by design will be carried out for these improvements. The major anticipated improvements for this project include upgrades to existing three pumps, one new pump and four new VFDs, and potential transmission main upgrades.

Justification

Due to complexity of upcoming work, concurrent presence of multiple contractors, and performing work at a live facility, the impact can range from significant project delays and degraded quality of final product to complete loss of water production facility, leaving City without water. This is a highly critical coordinating and risk management function. There will be no construction associated with this item. This item provides construction management services for construction of other projects.

Expenditures	Prior Years	2023	2024	2025	Total
Construction/Rehab			1,850,000	3,300,000	5,150,000
Design		550,000			550,000
Eng, Admin Reimbursements		70,000	150,000	200,000	420,000
Total		620,000	2,000,000	3,500,000	6,120,000

Funding Sources	Prior Years	2023	2024	2025	Total
Revenue Bonds		620,000	2,000,000	3,500,000	6,120,000
Total		620,000	2,000,000	3,500,000	6,120,000

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.