

Capital Improvement Plan
City of Corpus Christi, Texas

2025 *thru* 2027

Project # 18130
Project Name ONSWTP Sedimentation Basin Improvements



Type Improvement/Additions
Useful Life 40 years
Category Water Treatment

Department Water
Contact Director of Water Utilities
Priority Priority Level 1
Council District 1

Status Active

Description

O.N. Stevens Water Treatment Plant (ONSWTP) uses conventional water treatment processes for drinking water production. These processes generate residual treatment solids that accumulate in onsite storage lagoons. This project will dredge, dewater, haul, and dispose of water treatment residuals from the pre-sedimentation basin and lagoons 5, 6, and 7 at ONSWTP. Project scope also includes removal of existing vegetation and cattails in the basin and lagoons. This project continues into the long-range plan.

Justification

The pre-sedimentation basin is greater than 40% full and must be dredged to increase storage capacity and assist in construction of E17047 ONSWTP Raw Water Influent and Chemical Feed Improvements project. Lagoons 5, 6, and 7 must be dredged regularly to ensure sufficient solids storage capacity is available during water production at ONSWTP.

Expenditures	Prior Years	2025	2026	2027	Total
Construction/Rehab	18,147,480	10,000,000	8,000,000	6,000,000	42,147,480
Design	1,148,962				1,148,962
Eng, Admin Reimbursements	1,733,488	500,000	400,000	300,000	2,933,488
Total	21,029,930	10,500,000	8,400,000	6,300,000	46,229,930

Funding Sources	Prior Years	2025	2026	2027	Total
Revenue Bonds	21,029,930	10,500,000	8,400,000	6,300,000	46,229,930
Total	21,029,930	10,500,000	8,400,000	6,300,000	46,229,930

Budget Impact/Other

This project will increase plant efficiency and allow for increased plant capacity reducing the cost to treat water in the long term.