

Capital Improvement Plan
City of Corpus Christi, Texas

2025 *thru* 2027

Project # 21104
Project Name ONSWTP Chlorine System 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

This project will replace the existing chlorine gas system at O.N. Stevens Water Treatment Plant (ONSWTP) with a safer and more reliable on-site hypochlorite generation (OSG) system. OSG will eliminate the health and safety risks associated with potential chlorine gas exposure for ONSWTP staff and the surrounding community. The scope of work also includes modifications to the existing chlorine dioxide system, as well as demolition of the existing chlorine gas measurement building and chlorine railcar area.

Justification

Proposed improvements will completely eliminate ONSWTP's dependence on hazardous liquid chlorine for water disinfection thereby reducing health and life risk of ONSWTP staff and surrounding communities.

Expenditures	Prior Years	2025	2026	2027	Total
Construction/Rehab	17,250,000	35,000,000	15,000,000	13,000,000	80,250,000
Design	4,407,811				4,407,811
Eng, Admin Reimbursements	1,050,000	1,000,000	600,000	500,000	3,150,000
Total	22,707,811	36,000,000	15,600,000	13,500,000	87,807,811

Funding Sources	Prior Years	2025	2026	2027	Total
Revenue Bonds	22,707,811	36,000,000	15,600,000	13,500,000	87,807,811
Total	22,707,811	36,000,000	15,600,000	13,500,000	87,807,811

Budget Impact/Other

This Project should result in increased safety for staff on site and the surrounding community, increasing operational efficiency.