

Capital Improvement Plan
City of Corpus Christi, Texas

2022 *thru* 2024

Project # 21104
Project Name ONSWTP Chlorine System Improvements



Type Improvement/Additions **Department** Water Department
Useful Life 40 years **Contact** Director of Water Utilities
Category Water Treatment **Priority** 1 Critical-Health & Safety

Status Active

Description

This project will replace existing, aging chlorine gas system with safer and more reliable on-site hypochlorite generation system. This will eliminate the health and life risk of exposure to chlorine gas to ONSWTP staff and surrounding communities. Will also include modifications to the existing chlorine dioxide system. Staff is in the process of evaluating alternative delivery system that would have a construction cost reduction impact.

Justification

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan 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	2022	2023	2024	Total
Construction/Rehab			15,130,000	15,300,000	30,430,000
Testing			250,000	100,000	350,000
Inspection		100,000	170,000	250,000	520,000
Design	900,000	2,450,000	50,000		3,400,000
Eng, Admin Reimbursements	63,000	150,000	500,000	500,000	1,213,000
Total	963,000	2,700,000	16,100,000	16,150,000	35,913,000

Funding Sources	Prior Years	2022	2023	2024	Total
Revenue Bonds	963,000	2,700,000	16,100,000	16,150,000	35,913,000
Total	963,000	2,700,000	16,100,000	16,150,000	35,913,000

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.