

Capital Improvement Plan

2022 *thru* 2024

City of Corpus Christi, Texas

Project # 19029
Project Name Citywide Lift Station Repair



Type Reconditioning-Asset Longevit **Department** Wastewater
Useful Life 25 years **Contact** Director of Water Utilities
Category Wastewater **Priority** 2 Critical- Asset Condition

Status Active

Description

This project provides for implementation of a strategic lifecycle program for future lift station projects with funding requirements and cost benefit analysis for the City's 103 Lift Stations. The project identifies, prioritizes, and implements specific capital improvement in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing sanitary sewer overflows. By April 2021, the City has repaired and upgraded eighteen lift stations. In FY2019-2023, the following four lift stations are included in this program for repair and upgrade: Williams Lift Station, Woolridge Lift Station, and Morgan Lift Station. In FY2019-2024, the following sixteen lift stations are proposed to be repaired and upgraded: Military/Jester, Country Club, Perry Place, Stillwell, Cole Park, Lawrence St. "T" Head, Nueces Bay Blvd., People's Street "T" Head, Clarkwood South, Aquarius, Coopers Alley "L" Head, Sugar Tree, Purdue, Waldron, Laguna Shores, and High Nine. In FY 2021-2025, the following ten lift stations are included in this program: Cynthia, Highway 77, Nueces Acres, Clarkwood North, Solar Estates, Sacky, Buckingham, Cimarron, Anchor Harbor, and Riviera. Staff will continue to inspect and evaluate the conditions of remaining lift stations, and accordingly develop CIP plan for Citywide Lift Station Repair.

Justification

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

Expenditures	Prior Years	2022	2023	2024	Total
Construction/Rehab		5,900,000	7,000,000	7,700,000	20,600,000
Design	957,676	265,000	160,000		1,382,676
Contingency		250,000	650,000	530,000	1,430,000
Eng, Admin Reimbursements	31,458	85,000	190,000	170,000	476,458
Total	989,134	6,500,000	8,000,000	8,400,000	23,889,134

Funding Sources	Prior Years	2022	2023	2024	Total
Grant - American Rescue Plan Act		6,500,000	8,000,000	2,400,000	16,900,000
Revenue Bonds	989,134			6,000,000	6,989,134
Total	989,134	6,500,000	8,000,000	8,400,000	23,889,134

Budget Impact/Other

This project will address various lift stations that have piping and pumps in poor condition throughout the City. Failing equipment will be replaced with more reliable and energy efficient equipment. This project reduces the probability of failure, emergencies, and will also cut down on operational costs by the use of more energy efficient equipment.