

Capital Improvement Plan

2023 *thru* 2025

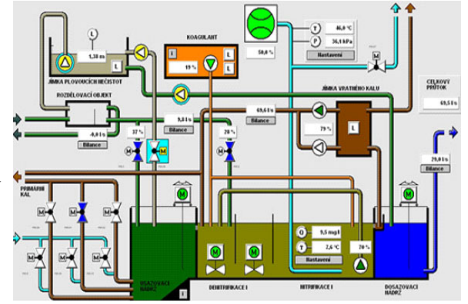
City of Corpus Christi, Texas

Project # 18082
Project Name Wastewater Treatment Plant & Lift Station SCADA Improvts.

Type Improvement/Additions
Useful Life 25 years
Category Wastewater

Department Wastewater
Contact Director of Water Utilities
Priority 2 Critical- Asset Condition\longevity

Status Active



Description

The implementation of the Supervisory Control and Data Acquisition (SCADA) system has been proven to be successful in monitoring municipal sewage and sludge collection/distribution systems, wet-weather facilities, and wastewater treatment plants. It enables the department to comply with regulatory requirements on discharge and effectively reduce operations and maintenance costs. This project proposes development of a SCADA Master Plan and implementation of a SCADA system to automate processes that occur at WWTPs and lift stations throughout the City. This will assist the City in efficient monitoring of the system, early detection of process failures, data recording, assisting with regulatory compliance and improved CIP development.

Justification

This project is required to meet operational and regulatory requirements.

Expenditures	Prior Years	2023	2024	2025	Total
Construction/Rehab		200,000	300,000	300,000	800,000
Design	590,000	150,000			740,000
Capital Equipment	354,300	1,100,000	1,100,000	1,000,000	3,554,300
Eng. Admin Reimbursements	7,800	200,000	250,000	350,000	807,800
Total	952,100	1,650,000	1,650,000	1,650,000	5,902,100

Funding Sources	Prior Years	2023	2024	2025	Total
PAYGO	952,100				952,100
Revenue Bonds		1,650,000	1,650,000	1,650,000	4,950,000
Total	952,100	1,650,000	1,650,000	1,650,000	5,902,100

Budget Impact/Other

The implementation of this project will improve performance of operation and maintenance while enhancing regulatory compliance. This should reduce overall costs of the wastewater program.