

**Capital Improvement Plan**  
**City of Corpus Christi, Texas**

2022 *thru* 2024

**Project #** 20278 **Revised**  
**Project Name** Wesley Seale Dam Dewatering System



**Type** Improvement/Additions      **Department** Water Supply  
**Useful Life** 25 years      **Contact** Director of Water Utilities  
**Category** Water Supply      **Priority** 2 Critical- Asset Condition

**Status** Active

**Description**

This project provides for improvements to dewatering system at Wesley Seale Dam. This project will protect integrity of Wesley Seale Dam system (1957), to provide for proper inspection and updates pursuant to regulatory reports per TCEQ.

**Justification**

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan. This project will improve efficiencies, reliability, and reduce costs.

<b>Expenditures</b>	<b>Prior Years</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Rehab		700,000	2,250,000	4,200,000	7,150,000
Testing				500,000	500,000
Design		2,007,000			2,007,000
Eng, Admin Reimbursements		200,940	250,000	350,000	800,940
<b>Total</b>		<b>2,907,940</b>	<b>2,500,000</b>	<b>5,050,000</b>	<b>10,457,940</b>

<b>Funding Sources</b>	<b>Prior Years</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Revenue Bonds		2,907,940	2,500,000	5,050,000	10,457,940
<b>Total</b>		<b>2,907,940</b>	<b>2,500,000</b>	<b>5,050,000</b>	<b>10,457,940</b>

**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.

**Capital Improvement Plan**  
**City of Corpus Christi, Texas**

2022 *thru* 2024

**Project #** 20278 **Current FY** 2022  
**Project Name** Wesley Seale Dam Dewatering System



**Type** Improvement/Additions      **Department** Water Supply  
**Useful Life** 25 years      **Contact** Director of Water Utilities  
**Category** Water Supply      **Priority** 2 Critical- Asset Condition

**Status** Active

**Description**

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**Justification**

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan. This project will improve efficiencies, reliability, and reduce costs.

<b>Expenditures</b>	<b>Prior Years</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Rehab		700,000	2,250,000	4,200,000	7,150,000
Testing				500,000	500,000
Design	1,357,000	650,000			2,007,000
Eng, Admin Reimbursements	150,940	50,000	250,000	350,000	800,940
<b>Total</b>	<b>1,507,940</b>	<b>1,400,000</b>	<b>2,500,000</b>	<b>5,050,000</b>	<b>10,457,940</b>

<b>Funding Sources</b>	<b>Prior Years</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Revenue Bonds	1,507,940	1,400,000	2,500,000	5,050,000	10,457,940
<b>Total</b>	<b>1,507,940</b>	<b>1,400,000</b>	<b>2,500,000</b>	<b>5,050,000</b>	<b>10,457,940</b>

**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.

# Capital Improvement Plan

2022 *thru* 2024

## City of Corpus Christi, Texas

**Project #** 21029 **Current FY** 2022  
**Project Name** Wesley Seale Dam Spillway Gate Rehabilitation



**Type** Recondition/Longevity      **Department** Water Supply  
**Useful Life** 40 years      **Contact** Director of Water Utilities  
**Category** Water Supply      **Priority** 2 Critical- Asset Condition

**Status** Active

### Description

Wesley Seale Dam has 60 crest gates located in two separate spillways: south spillway includes 27 gates and north spillway includes 33 gates. Over the years, leakage from side seals has increased and become significant at several gates. Water flow from excessive leakage damages concrete and encourages algae and other vegetative growth. This leads to corrosion issues on gates, metal appurtenances and reinforcing steel. Project provides for necessary improvements including seal replacement, miscellaneous structural repairs, full gate reconstruction and application of a protective coating system for Dam.

### Justification

Operational, maintenance, and capital cost savings will be realized as soon as these repairs are done. The current 1995 coating system is beyond its useful life and is no longer preventing degradation of critical dam safety components that are required to maintain municipal and industrial water supply and protect life safety downstream. This project will ensure the normal operation and increase service life of structure;

Expenditures	Prior Years	2022	2023	2024	Total
Construction/Rehab			1,720,000	2,250,000	3,970,000
Inspection			100,000		100,000
Design		900,000			900,000
Eng, Admin Reimbursements		100,000	180,000	250,000	530,000
<b>Total</b>		<b>1,000,000</b>	<b>2,000,000</b>	<b>2,500,000</b>	<b>5,500,000</b>

Funding Sources	Prior Years	2022	2023	2024	Total
Revenue Bonds		1,000,000	2,000,000	2,500,000	5,500,000
<b>Total</b>		<b>1,000,000</b>	<b>2,000,000</b>	<b>2,500,000</b>	<b>5,500,000</b>

### Budget Impact/Other

This project will protect the dam gates from failure and help to prevent the sudden loss of municipal and industrial water supply, while also enhancing life safety and reducing liabilities.