

Capital Improvement Plan Project Pages

Corpus Christi, Texas



Project # 25015
Project Name Choke Canyon Dam Sluice Gate No. 3 Replacement

Contact	Director of Corpus Christi Water	Department	Water
Type	Rehabilitation	Category	Raw Water Supply
Priority	Priority Level 1	Status	Active
Useful Life	25 years	Council District	Outside City Limits

Description

Choke Canyon Dam is located in south Texas on the Frio River, four miles west of Three Rivers, Texas and approximately 90 miles northwest of Corpus Christi. The reservoir supplies water for Corpus Christi Water as well as recreational and environmental benefits. Gate No. 3 is a 6' x 8' cast iron sluice gate, of original approximate 1977 construction. It is the second lowest gate of four gates on the intake tower. The gate is located on the east side of the intake tower. Sluice Gate No. 3 was recently found to be stuck in the near-closed position. Based on a diving inspection, the following was noted: The gate was not fully sealing, The top of the thrust nut pocket was broken loose from the top of the gate, The stem with attached thrust nut was no longer connected, The lower stem guide bracket was pulled away from the intake tower by a maximum of approximately 8" and the bronze guide was split, and All other observed hardware appeared to be in working order.

Justification

Proper operation and functionality of Sluice Gate No. 3 is required to ensure full functionality and normal operational capability.

Expenditures	Prior	FY 26	FY 27	FY 28	Total
Construction/Rehab	2,500,000	0	0	0	2,500,000
Design	243,023	0	0	0	243,023
Eng, Admin Reimbursements	150,627	0	0	0	150,627
Total	2,893,650	0	0	0	2,893,650

Funding Sources	Prior	FY 26	FY 27	FY 28	Total
PAYGO	143,650	0	0	0	143,650
Raw Water Fund	2,750,000	0	0	0	2,750,000
Total	2,893,650	0	0	0	2,893,650

Budget Impact

This project will extend the life of the Choke Canyon Dam and result in cost savings by avoiding emergency repairs and will ensure compliance with federal regulations.

Capital Improvement Plan
City of Corpus Christi, Texas

2025 *thru* 2027

FY 2025 CIP

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Useful Life 25 years
Category Water Sources
Department Water
Contact Director of Water Utilities
Priority Priority Level 1
Council District Outside City Limits
Status Active



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Expenditures	Prior Years	2025	2026	2027	Total
Construction/Rehab		2,500,000			2,500,000
Design	129,414				129,414
Eng, Admin Reimbursements	13,000	250,000			263,000
Total	142,414	2,750,000			2,892,414

Funding Sources	Prior Years	2025	2026	2027	Total
PAYGO	142,414				142,414
Raw Water Fund		2,750,000			2,750,000
Total	142,414	2,750,000			2,892,414

Budget Impact/Other

This project will extend the life of the Choke Canyon Dam and result in cost savings by avoiding emergency repairs and will ensure compliance with federal regulations.