

Capital Improvement Plan Project Pages

Corpus Christi, Texas



Project # 22408
Project Name ONSWTP Security Upgrade

Contact	Director of Corpus Christi Water	Department	Water
Type	Improvement/Additions	Category	Water Treatment
Priority	Priority Level 1	Status	Active
Useful Life	20 years	Council District	1

Description

O.N. Stevens Water Treatment Plant (ONSWTP) is considered critical infrastructure for residents, schools, hospitals, and industry in Corpus Christi. The Texas Administrative Code 290 Rules Subchapter D state all public drinking water facilities must be protected by an intruder-resistant fence 6ft or higher. In 2021, a Risk and Resilience Assessment was completed for ONSWTP per the American Water Infrastructure Act (AWIA) requirements. The assessment recommended risk countermeasures including barrier installations to protect ONSWTP infrastructure from potential damage caused by external traffic. The existing fencing is 6ft tall with 3 strands of barbed wire and has been compromised by vehicle accidents at least twice in recent years. This project would replace the existing fence with an 8ft concrete sound barrier from the plant property line on Leopard St. to Heard Rd. Project scope includes installation of additional security cameras around the plant perimeter. This project will be designed and constructed in multiple phases.

Justification

Project will provide needed security enhancements to protect the ONSWTP which is the only water treatment plant in the city of Corpus Christi and is considered critical infrastructure for residents, schools, hospitals, and surrounding industry.

Expenditures	Prior	FY 26	FY 27	FY 28	Total
Construction/Rehab	1,000,000	5,000,000	0	0	6,000,000
Design	217,795	0	0	500,000	717,795
Eng, Admin Reimbursements	102,205	250,000	0	50,000	402,205
Capital Equipment	0	110,000	0	0	110,000
Total	1,320,000	5,360,000	0	550,000	7,230,000

Funding Sources	Prior	FY 26	FY 27	FY 28	Total
Revenue Bonds	1,320,000	5,360,000	0	550,000	7,230,000
Total	1,320,000	5,360,000	0	550,000	7,230,000

Budget Impact

There is no projected operational impact with this project at this time. Increasing security measures will enable the increased prevention of property damage, protect against potential contamination of the water supply.