

Capital Improvement Plan

City of Corpus Christi, Texas

2025 *thru* 2027

Project # 23099
Project Name C. F. Valenzuela Backup Generators

Type Improvement/Additions
Useful Life 25 years
Category Site Improvements
Department Solid Waste
Contact Director of Solid Waste
Priority Priority Level 1
Council District Outside City Limits
Status Active



Description

Primary project will consist of replacement of two (2) diesel backup electric generators at C.F. Valenzuela landfill with new generators. The new generators will be compliant with impending Title V Air Regulations. The secondary project will be to replace backup generator at the Solid Waste Hygeia office with one of the existing C.F. Valenzuela landfill generators. The impending Title V air regulations are not applicable at the Hygeia office.

The project includes related infrastructure demolition and replacement of existing electrical and concrete. The demolition may not be necessary and will be adjusted during the scoping phase of project with help of city engineering and asset management staff. Asset management has vetted the feasibility and provided opinion of probable cost information.

Justification

Reliable backup electrical generation is required at the landfill, the site is open 6 days per week regardless of inclement weather. It is essential to remain open to local waste haulers for environmental reasons and health of our community.

The existing generators at C.F. Valenzuela are in good working condition, but fail to meet impending federal and state regulatory requirements related to air permits for Municipal Solid Waste facilities the size of C.F. Valenzuela. One of the existing generators will be moved from C.F. Valenzuela to the shared Solid Waste/Public Works administrative building at 2525 Hygeia St. The current existing generator at the Hygeia office cannot sustain the load necessary to function as a reliable backup.

No direct operational impact from project, but access and operational efficiency will be maintained or improved.

Expenditures	Prior Years	2025	2026	2027	Total
Construction/Rehab		55,189			55,189
Design	55,189				55,189
Capital Equipment		380,805			380,805
Eng, Admin Reimbursements	5,399	55,310			60,709
Total	60,588	491,304			551,892

Funding Sources	Prior Years	2025	2026	2027	Total
Certificates of Obligation (Prior)	60,588	491,304			551,892
Total	60,588	491,304			551,892

Budget Impact/Other

On-going maintenance costs of approximately \$5,000 per year will be budgeted in operations budget.