

Dixie Park Repump Station Rehabilitation - Revised

Category	Non-Concurrency
CIP Rating Score	39
Project Number	3553
Location	Dixie Park
District	Four
Project Limits	Dixie Park Repump Station
Related Projects	
Lead Dept/Division	Utilities
Year Project Initiated	Proposed at FY 19 CIP Workshop



DESCRIPTION

Replacement of the existing 70 horsepower (HP) pumps and associated variable frequency drives (VFD) pumps with larger 75 HP chopper pumps and associated VFDs and smaller "jockey" pumps with VFDs : Improvements also include installation of associated piping, valves, site work, and demolition of existing pump station

BACKGROUND

The Dixie Park Repump Facility repumps an average of 1.3 million gallons of wastewater per day to the Tropical Farms Wastewater Treatment Facility. The existing pumps have reached the end of their useful life and are in need of replacement, the existing pumps consistently stop pumping as a result of excess air in the system which requires staff time to troubleshoot, the existing piping is not optimal and has resulted in multiple failures of check valves at the station, and the existing VFDs are nearing the end of their useful life.

PROJECT ORIGATION

Infrastructure Needs

JUSTIFICATION

The Dixie Park Repump Facility repumps an average of 1.3 million gallons of wastewater per day. In order to keep the system in working order and pumping efficiently, this project is needed. Consequences of not completing this project could result in up to 1.3 million gallons of wastewater being spilled each and every day if a failure at the repump station occurs.

				Funded					Unfunded
Expenditures	Total	To Date		FY19	FY20	FY21	FY22	FY23	FY24-FY28
Design & Contingency	100,000				100,000				
Construction	2,049,241				2,049,241				
Expenditure Total	2,149,241			0	2,149,241	0	0	0	0
Revenues	Total	To Date	Carryover	FY19	FY20	FY21	FY22	FY23	FY24-FY28
Utilities CFC- Sewer	2,149,241			1,600,000	549,241				
Revenue Total	2,149,241			1,600,000	549,241	0	0	0	0
Total Unfunded									0

OPERATING BUDGET IMPACT

No impact is anticipated.