

NWWTP Filter Dosing Pump

Category Non-Concurrency
Project Number 3561
Location Jensen Beach
District 1

Project Limits North Wastewater Treatment Plant

Related Projects
Lead Dept/Division Utilities
Year Project Initiated Approved during FY21 CIP Workshop



Project Life Cycle 15 to 25 Years
Resilience Requirements 2040 Vulnerability 2070 Vulnerability 2100 Vulnerability



DESCRIPTION

Design and installation of a third filter dosing pump and associated electrical and piping at the North Wastewater Treatment Plant.

BACKGROUND

Treated wastewater from the clarifiers is pumped to the deep bed sand filters to produce reclaimed water currently with two filter dosing pumps. Both pumps are needed in order to produce a plant rated capacity of 2.76 million gallons per day of reclaimed water and currently there is not a redundant pump in place. There is a backup system in place if the filter dosing pumps need to be repaired, which would be using another set of pumps to send water down the deep injection well.

PROJECT ORIGINATION

Infrastructure Needs

JUSTIFICATION

Addition of a third filter dosing pump and associated electrical and piping will provide a higher degree of reliability to ensure the North Wastewater Treatment Plant continues to produce and supply the customers with reclaimed water for irrigation.

After 10/24/24

Expenditures	Total	To Date	Carryover	Funded					Unfunded
				FY23	FY24	FY25	FY26	FY27	FY28-FY32
Construction	850,000	0		425,000		425,000			
Expenditure Total	850,000			425,000	0	425,000	0	0	0
Revenues	Total	To Date	Carryover	FY23	FY24	FY25	FY26	FY27	FY28-FY32
CFC Sewer Fund	850,000			425,000	0	425,000			
Revenue Total	850,000			425,000	0	425,000	0	0	0
Total Unfunded									0

OPERATING BUDGET IMPACT

There will be an increase in the operating budget for the maintenance associated with the new filter dosing pump.