

North Plant Floridan Aquifer Well

Category Concurrency
Project Number 3017
Location Jensen Beach
District 1

Project Limits North Water Treatment Plant

Related Projects
Lead Dept/Division Utilities
Year Project Initiated Approved during FY08 CIP Workshop



Project Life Cycle 20 to 40 Years
Resilience Requirements ☐ 2040 Vulnerability ☐ 2070 Vulnerability ☐ 2100 Vulnerability



DESCRIPTION

Design and construct a fifth Floridan well and raw water main to reduce the demand on the four existing Floridan wells at the North Water Treatment Plant. Work will include drilling, wellhead, pumps, and raw water piping. Design was initiated in FY21 and construction will be in FY25. No increase in plant capacity is proposed with this project.

BACKGROUND

Currently four Floridan wells supply three Reverse Osmosis Treatment Trains at the North Water Treatment Plant. The water quality of these wells is slowly degrading and the chlorides in the wells have been increasing.

PROJECT ORIGATION

Infrastructure Needs

JUSTIFICATION

The fifth Floridan well will reduce demand on the existing wells so the current level of service is maintained, prolonging the life of the assets, and increasing the sustainability of the raw water supply.

Expenditures	Total	To Date		Funded					Unfunded
				FY24	FY25	FY26	FY27	FY28	FY29-FY33
Engineering & Planning	500,000	250,000			250,000				
Construction	5,250,000				5,250,000				
Expenditure Total	5,750,000	250,000		0	5,500,000	0	0	0	0
Revenues	Total	To Date	Carryover						
				FY24	FY25	FY26	FY27	FY28	FY29-FY33
CFC Water Fund	3,200,000	250,000			2,950,000				
Grant	2,550,000	0			2,550,000				
Revenue Total	5,750,000	250,000		0	5,500,000	0	0	0	0
Total Unfunded									0

OPERATING BUDGET IMPACT

There will be additional maintenance costs associated with the additional well and equipment.