North Plant Floridan Aquifer Well

CategoryConcurrencyProject Number3017LocationJensen Beach

District

Project Limits North Water Treatment Plant

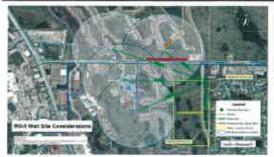
Related Projects

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 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 ORIGINATION

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.

		To Date	- I	Funded					Unfunded
Expenditures	Total			FY24	FY25	FY26	FY27	FY28	FY29-FY33
Engineering & Planning	500,000	250 000			250,000			-	104
Construction	5,250,000	100			5 250 000			-	
Expenditure Total	5,750,000	250,000		.0	5,500,000	0	0	0	0
9			4						
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
							otal Unfun	ded	0

OPERATING BUDGET IMPACT

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