

Appendix K

Water Supply Development Project Options

**North Florida Regional Water Supply Plan
Water Supply Development Project Options**

County	Water Management District	Project Name	Implementing Entity	Project Description	Project Type	Water Source	Estimated Water Supply Benefit (mgd)	Total Capital (\$M)	Estimated Annual O&M	Timeframe for Completion*
Alachua	SJRWMD	Brytan Subdivision Reclaimed Water System Expansion	GRU	Expansion of reclaimed water distribution system pipelines in Brytan subdivision to offset use of potable water for irrigation.	Reuse - Pipeline	Reclaimed Water	0.16	\$2.23	\$2,000	2026
Alachua	SJRWMD	Innovation District Reclaimed Water System Expansion	GRU	Expansion of reclaimed water distribution system pipelines to offset use of potable water for industrial cooling and irrigation in the Innovation District.	Reuse - Pipeline	Reclaimed Water	0.11	\$1.50	\$1,100	2035
Alachua	SRWMD	Oakmont Reclaimed Water Main Extension	GRU	This project will include construction of reclaimed water (RCW) mains for the internal distribution network for construction of the Oakmont Subdivision, Phase 2.	Reuse - Pipeline	Reclaimed Water	0.05	\$0.44	\$1,000	2035
Alachua	SRWMD	Oakmont Subdivision Reclaimed Water System Expansion	GRU	Expansion of reclaimed water distribution system pipelines in Oakmont subdivision to offset use of potable water for irrigation. Includes additional transmission and storage/pumping facilities to facilitate addition of groundwater recharge wetlands and/or further expansion of potable offset irrigation.	Reuse - Pipeline	Reclaimed Water	0.40	\$8.40	\$5,600	2026
Alachua	SRWMD and SJRWMD	Reclaimed Water System Expansion into New Neighborhoods	GRU	Expansion of reclaimed water distribution system pipelines to offset use of potable water for irrigation.	Reuse - Pipeline	Reclaimed Water	0.40	\$5.00	\$3,000	2035
Clay	SJRWMD	First Coast Outer Beltway Stormwater Ponds	CCUA	Horizontal well and treatment sites at 29 Stormwater ponds along SR 23 phase 3 corridor (First Coast Outer Beltway).	Reuse - Pipeline	Stormwater	2.50	\$27.00	\$69,000	2030
Clay	SJRWMD	Green Cove Regional Reclaimed WTP	CCUA	New reclaim water treatment facility with 0.4 MGD AADF capacity.	Reuse - Supply	Reclaimed Water	0.40	\$1.30	\$24,000	2018
Clay	SJRWMD	Mid-Clay Land Application and Recovery Site	CCUA	Construction of a rapid infiltration basin and horizontal well recovery system.	Reuse - Storage	Reclaimed Water	2.08	\$2.76	\$199,000	2015
Clay	SJRWMD	Reclaim Future System Expansion	CCUA	Extension of CCUA reclaimed water transmission and distribution to supply future developments.	Reuse - Pipeline	Reclaimed Water	7.50	\$7.50	\$4,000	2030
Clay	SJRWMD	Reclaimed Water Transmission/Distribution Main Extensions	CCUA	Extend CCUA reclaimed water infrastructure to developments under construction.	Reuse - Pipeline	Reclaimed Water	0.38	\$1.30	\$1,000	2016
Clay	SJRWMD	Stormwater Harvest Pilot Project	CCUA	Horizontal well and treatment site to withdraw and treat groundwater near stormwater ponds for reuse supply.	Reuse - Pipeline	Stormwater	0.40	\$1.20	\$4,500	2017
Clay	SJRWMD	Reclaimed Water Ground Storage Tanks	CCUA	Old Jennings and Ridaught Reclaimed Water Treatment Plants 0.75 MG Ground Storage Tanks (x2).	Reuse - Storage	Reclaimed Water	0.03	\$1.25	\$1,000	2018
Clay	SJRWMD	LSJRB Reuse and Treatment	Town of Orange Park	Primarily a WWTP Upgrade for WQ improvement with secondary implementation of reuse in cooperation with CCUA through an interconnect.	Reuse - Supply	Reclaimed Water	0.25	\$0.27	\$7,800	2013
Columbia	SRWMD	City of Lake City Reclaimed Water System Upgrade (Phase 1)	SRWMD	Installation of 2.7 miles of reclaimed water main to increase the amount of reclaimed water users.	Reuse - Pipeline	Reclaimed Water	0.54	\$0.55	\$1,000	2018
Duval	SJRWMD	Atlantic Beach Selva Marina Reclaimed Water System Expansion	City of Atlantic Beach	Install pipeline to supply reclaimed water to golf course and residential homes.	Reuse - Supply	Reclaimed Water	0.50	\$1.11	\$1,000	2015
Duval	SJRWMD	NAS Reclaimed Water Project	City of Jacksonville	Expand the reuse to the NAS-JAX golf course, weapons storage area and ballfields.	Reuse - Pipeline	Reclaimed Water	0.36	\$1.87	\$1,000	2012
Duval	SJRWMD	Jacksonville Beach Water & Sewer Mains Extension	City of Jacksonville Beach	The project objective is to eliminate private wells for potable use and septic tanks adjacent to the Intracoastal Waterway by extending the water main (about 1000 feet new & 1000 feet upsized replacement) and by extending the sanitary sewer main (about 2000 feet new) to 7 residential properties on the private road extension connected to the end of Hopson Road. A fire hydrant will be added near the end of the water main extension to improve fire safety. Currently, six of these properties are developed and have private water wells and septic tanks, which are not charged. With charging for utility water & sewer services, it is ultimately anticipated that water usage may be conserved. With abandonment of septic tanks, the nutrient load into the adjacent area near the Intracoastal Waterway is reduced and reclaimed water supply is increased. Project capacity and water supply benefit are based on an estimated 500 gpd per connection.	Reuse - Supply	Reclaimed Water	0.00	\$0.43	\$1,000	2018
Duval	SJRWMD	Reuse Treatment and Initiative Program	City of Neptune Beach	Upgrade WWTP to reuse standards and implement reuse program.	Reuse - Supply	Reclaimed Water	0.03	\$0.95	\$12,000	2014

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Duval	SJRWMD	9B Reclaimed Water System Expansion	JEA	This project is in coordination with a roadway project at a new interchange. Significant cost savings will result from this new reclaimed water main being installed during construction of new roadway. The estimated length of 30" reclaimed water main to be installed is 1,868 feet. This pipeline will provide reclaimed water to commercial and residential customers resulting in an offset of potable water used for irrigation, reducing the amount of water withdrawn from the Floridan Aquifer. Two WWTFs (Mandarin and Arlington East) will provide reclaimed water to the proposed pipeline, both WWTFs discharge effluent to the St. Johns River. Any reclaimed water used will reduce the amount effluent discharged to the St. Johns River.	Reuse - Pipeline	Reclaimed Water	13.00	\$0.45	\$1,000	2015
Duval	SJRWMD	Arlington East 2 MGD Reclaimed Water Filter	JEA	2.0 MGD water reclamation facility filter expansion to support increased reclaimed water demands	Reuse - Supply	Reclaimed Water	2.00	\$0.99	\$11,000	2015
Duval	SJRWMD	Arlington East Reclaim Storage Conversion	JEA	Conversion of a 2.0 MG sludge holding tank to effluent storage to be used for reclaimed water production	Reuse - Storage	Reclaimed Water	2.00	\$0.64	\$1,000	2012
Duval	SJRWMD	Arlington East Water Reclamation Facility - Onsite Reuse Pump Upgrade	JEA	On-site piping upgrades and pump replacement, increasing reclaimed water delivery capacity from 750 to 1200 gpm (1.1 To 1.7 MGD).	Reuse - Pipeline and Pumping	Reclaimed Water	0.60	\$0.64	\$1,000	2016
Duval	SJRWMD	Arlington East WRF - Reclaimed Water Filtration Expansion - Increase Capacity from 8.0 to 10.0 MGD	JEA	2.0 MGD water reclamation facility filter expansion to support increased reclaimed water demands.	Reuse - Supply	Reclaimed Water	2.00	\$2.80	\$11,000	2023
Duval	SJRWMD	Arlington East WWTP 2.0 MGD Reuse Capacity Addition	JEA	2.0 MGD water reclamation facility filter expansion to support increased reclaimed water demands	Reuse - Supply	Reclaimed Water	2.00	\$0.60	\$11,000	2012
Duval	SJRWMD	CCUA Reclaimed Water Transmission Main - Southwest WWTF to CCUA	JEA	Installation of 44,000 feet of 24" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	10.15	\$15.00	\$8,000	2023
Duval	SJRWMD	Glen Kernan Pkwy - Kernan Blvd to Royal Troon Lane - Reclaimed Water System Expansion	JEA	Installation of 2,100 feet of 8" reclaimed water main to serve the Glen Kernan Golf & Country Club golf course.	Reuse - Pipeline	Reclaimed Water	0.43	\$0.26	\$1,000	2023
Duval	SJRWMD	Greenland Reclaimed Water Repump Facility - Storage Tank and Booster Pump Station	JEA	4.0 MG storage tank and high service pumps.	Reuse - Storage and Pumping	Reclaimed Water	4.00	\$5.00	\$3,500	2024
Duval	SJRWMD	Mandarin Water Reclamation Facility - High Level UV Upgrade	JEA	UV disinfection system capacity upgrade from 5.7 to 8.75 MGD to increase supply available for public access reuse.	Reuse - Supply	Reclaimed Water	3.05	\$4.15	\$16,500	2017
Duval	SJRWMD	Monument Rd - Cancun Dr to Hidden Hills Ln - Reclaimed Water System Expansion	JEA	Installation 1,600 feet of 12" and 2,300 feet of 8" reclaimed water main to serve the Hidden Hills Country Club golf course.	Reuse - Pipeline	Reclaimed Water	0.36	\$0.64	\$1,000	2018
Duval	SJRWMD	RG Skinner - North Rd - Reclaimed Water System Expansion	JEA	Installation of 11,000 feet of 30" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.47	\$3.00	\$2,000	2020
Duval	SJRWMD	Ridenour WTP - Reclaimed Water Storage and Repump	JEA	3.0 MG storage tank and high service pumps.	Reuse - Storage and Pumping	Reclaimed Water	3.00	\$3.70	\$3,500	2024
Duval	SJRWMD	Station Creek Rd - Beach Blvd to Hunt Club Rd N - Reclaimed Water System Expansion	JEA	Installation of 2,200 feet of 8" reclaimed water main to serve the Jax Golf & Country Club golf course.	Reuse - Pipeline	Reclaimed Water	0.35	\$0.28	\$1,000	2023
Duval	SJRWMD	Upgrade Pumps at Mandarin-R	JEA	Install pumps capable of supplying 5.7 MGD	Reuse - Storage and Pumping	Reclaimed Water	1.90	\$0.37	\$20,000	2013
Duval	SJRWMD	Water Treatment Pilot/Demonstration Phase 1 and 2	JEA	Purified water pilot and demonstration projects.	Technology evaluation	Reclaimed Water	1.00	\$20.00	\$1,000	2022
Duval	SJRWMD	Bartram Park WTP - RW - Storage Expansion	JEA	Installation of a new 2.5 Mgal storage tank.	Reuse - Storage	Reclaimed Water	0.05	\$2.15	\$1,000	2017
Duval	SJRWMD	Baymeadows Rd - Point Meadows Rd to Old Still PUD - Reclaimed Water System Expansion	JEA	Installation of 9,500 feet of 8" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.01	\$1.00	\$1,000	2020
Duval	SJRWMD	Davis - Gate Pkwy to RG Skinner - Reclaimed Water System Expansion	JEA	Installation of 13,700 feet of 30" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.12	\$5.00	\$1,000	2024
Duval	SJRWMD	District 2 WWTF Reclaimed Water Storage Tank and Booster Pump Station	JEA	1.0 MG storage tank.	Reuse - Storage	Reclaimed Water	0.02	\$2.90	\$1,000	2019
Duval	SJRWMD	District II - Broward River Crossing Replacement	JEA	Installation of 2,800 feet of 24" of reclaimed water transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.08	\$4.84	\$1,000	2016
Duval	SJRWMD	Gate Pkwy - Glen Kernan to T-Line - Trans - New - Reclaimed Water System Expansion	JEA	Installation of 18,000 feet of 30" and 2,000 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.18	\$8.50	\$1,000	2020
Duval	SJRWMD	Gate Pkwy - Shiloh Mill Blvd to Town Ctr Pkwy - Reclaimed Water System Expansion	JEA	Installation of 2,300 feet of 8" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.01	\$0.33	\$1,000	2018

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Duval	SJRWMD	JP - FDOT - SR 9A (I-295) - Managed Lanes - JTB - 9B Extension - Reclaimed Water System Expansion	JEA	Installation of 1,300 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	\$0.31	\$1,000	2017
Duval	SJRWMD	Mandarin Water Reclamation Facility - Equalization Storage Tank and Transfer Pump Station	JEA	1.7 MG storage tank and a high service pumping upgrade from 5.7 to 8.75 MGD to increase supply available for public access reuse.	Reuse - Storage and Pumping	Reclaimed Water	0.03	\$2.56	\$6,310	2017
Duval	SJRWMD	Monument Rd - Arlington East WRF to St Johns Bluff Rd - Reclaimed Water System Expansion	JEA	Installation of 7,900 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	\$3.30	\$1,000	2023
Duval	SJRWMD	RG Skinner Area - 9B to Parcels 10A - 11 - Reclaimed Water System Expansion	JEA	Installation of 2,900 feet of 30" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.12	\$1.11	\$1,000	2017
Duval	SJRWMD	RG Skinner Area - 9B to T-Line - Reclaimed Water System Expansion	JEA	Installation of 3,600 feet of 30" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.12	\$1.23	\$1,000	2017
Duval	SJRWMD	T-Line - Greenland Substation to GEC - Reclaimed Water System Expansion	JEA	Installation of 8,000 feet of 30" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.12	\$3.10	\$1,000	2024
Duval	SJRWMD	Tredinick Pkwy - Millcoe Rd to Mill Creek Rd - Reclaimed Water System Expansion	JEA	Installation of 5,800 feet of 12", 1,000 feet of 10", and 4,300 feet of 4" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.04	\$1.57	\$1,000	2019
Duval/St. Johns	SJRWMD	US 1 - Greenland WRF to CR 210 - Reclaimed Water System Expansion	JEA	Installation of 30,000 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	\$7.80	\$1,000	2022
Duval	SJRWMD	Queens Harbor Reclaimed Water Main Expansion	JEA and Queens Harbor Golf and Country Club	This project will provide reclaimed water to Queens Harbor. A planned 6" reclaimed water main will be installed from an existing reclaimed water main located adjacent to Wonderwood Road. The estimated length of pipe to be installed is 6,265 feet in addition to flow metering and flow control devices.	Reuse - Pipeline	Reclaimed Water	0.30	\$0.46	\$1,000	2014
Duval	SJRWMD	Intermediate Well Conversion	San Jose Country Club	Installation of an intermediate zone well to a depth of 450 feet to produce approximately 25,200 gallons per day, thus reducing pumping from the Floridan aquifer.	AWS	Intermediate aquifer	0.27	\$0.03	\$4,800	2016
Flagler	SJRWMD	State Street Irrigation System Expansion	City of Bunnell	Extend reclaimed water mains to their public park and two median enhancement projects along the US1 and SR100 crossroads. The goal is to be able to utilize the city's reclaim water for maximum irrigation and reduce the amount of well water being used while reducing the nutrient loading rate and wet weather discharge from the city's Wastewater Treatment Facility into Old Haw Creek.	Reuse - Pipeline	Reclaimed Water	0.10	\$0.05	\$1,500	2016
Flagler	SJRWMD	Palm Coast Grand Landing Reclaimed Water Transmission Main	City of Palm Coast	Construct 6,750 linear feet of 16" PVC transmission line and 350 linear feet of 18" HDPE transmission line with associated fittings, valves and site work.	Reuse - Pipeline	Reclaimed Water	0.56	\$0.70	\$1,000	2017
Flagler	SJRWMD	Palm Coast Matanzas Woods Reclaimed Pipeline	City of Palm Coast	Construct a reclaimed water transmission main extension along Matanzas Woods Pkwy. between Old Kings Rd. and US 1. The capacity of this project is >2 mgd and will supply irrigation demands with reclaimed water in lieu of potable or local groundwater.	Reuse - Pipeline	Reclaimed Water	2.00	\$2.53	\$1,000	2016
Flagler	SJRWMD	Palm Coast RCW Irrigation Along US-1 & Palm Coast Park	City of Palm Coast	Install a reclaimed water transmission main over Matanzas Woods Parkway from the east side of I-95 to the west side of I-95 to US#1 to make use of WWTP#1 Reclaimed water for irrigation and aquifer recharge.	Reuse - Pipeline	Reclaimed Water	1.00	\$1.50	\$1,000	2017
Flagler	SJRWMD	Palm Coast Royal Palms Parkway Reclaimed Water Line	City of Palm Coast	Construct a 6,000' of reclaimed water transmission main extension along Royal Palms Parkway between Town Center Boulevard and Belle Terre Parkway to supply residents with reclaimed water for irrigation in lieu of a stormwater pond.	Reuse - Pipeline	Reclaimed Water	0.05	\$0.30	\$2,000	2015
Flagler	SJRWMD	Palm Coast Utilization of Concentrate as Raw Water Supply	City of Palm Coast	Install cartridge filters and ozone treatment system to allow concentrate to be used as an alternative water supply source when blended with treated water.	AWS	Concentrate	0.75	\$1.24	\$7,800	2015
Nassau	SJRWMD	Nassau Area - Radio Av - Reclaimed Water Storage Tank and Booster Pump Station	JEA	1.0 MG storage tank and 1,000 gpm high service pumps.	Reuse - Storage and Pumping	Reclaimed Water	1.44	\$3.29	\$5,000	2019
Nassau	SJRWMD	Nassau Regional WWTF Reclaimed Water Storage Tank, UV Disinfection and Pumps	JEA	1.0 MG storage tank, 1,500 gpm high service pumps, and high level UV disinfection.	Reuse - Storage, Pumping and Supply	Reclaimed Water	2.16	\$6.12	\$20,000	2019
Nassau	SJRWMD	William Burgess Rd - SR200 to Harts Rd - Trans - New - Reclaimed Water System Expansion	JEA	Installation of 13,000 feet of 16" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.46	\$2.50	\$5,500	2017

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Nassau	SJRWMD	Nassau RW Main - Radio Av to Harts Rd - Trans - Reclaimed Water System Expansion	JEA	Installation of 11,000 feet of 16" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.04	\$2.30	\$1,000	2019
Nassau	SJRWMD	T-Line - Amelia Concourse to Amelia National - Reclaimed Water System Expansion	JEA	Installation of 5,700 feet of 10" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	\$0.80	\$1,000	2021
Putnam	SJRWMD	Vulcan Upper to Lower Floridan Aquifer Well Conversion	Vulcan and SJRWMD	Constructing a new lower Floridan aquifer well to replace an existing upper Floridan well.	Change of source	Lower Floridan Aquifer	2.61	\$0.76	\$64,000	2017
St. Johns	SJRWMD	Bartram Park Reclaimed Water Storage Tank Expansion	JEA	This project adds 2.5 mgd more of storage to support peak demands. Bartram repumps reclaimed water supplied by 2 major wastewater facilities (Arlington East & Mandarin) to support St. Johns County demands, which is currently 7,000 customers. This second tank will provide an additional 5 hours of peak supply at the current pumping rate of 11 mgd.	Reuse - Storage	Reclaimed Water	0.53	\$2.10	\$21,000	2017
St. Johns	SJRWMD	Bartram Trail HS - Longleaf Pine Pkwy - Reclaimed Water System Expansion	JEA	Installation of 2,600 feet of 6" reclaimed water main to serve the Bartram High School.	Reuse - Pipeline	Reclaimed Water	0.13	\$0.24	\$1,000	2023
St. Johns	SJRWMD	Nocatee Booster Station	JEA	Allows for increased reclaimed water delivery capacity from 3800 to 4650 gpm (5.5 to 6.7 MGD).	Reuse - Pumping	Reclaimed Water	1.20	\$1.35	\$3,000	2016
St. Johns	SJRWMD	Nocatee Coastal Oaks Phase 4	JEA	Supply new residents with reclaimed water for irrigation in lieu of potable water by constructing a reclaimed water transmission main extension in the Nocatee Coastal Oaks Phase 4 - R area. The quantity of water expected from this project is 2 mgd and consists of 4,500' of 12" diameter pipe.	Reuse - Supply	Reclaimed Water	2.00	\$1.06	\$1,000	2016
St. Johns	SJRWMD	Nocatee South Reclaimed Water Storage Tank and Booster Pump Station	JEA	2.0 Mgal storage tank and high service pumps.	Reuse - Storage and Pumping	Reclaimed Water	2.00	\$3.50	\$2,000	2021
St. Johns	SJRWMD	RiverTown WTP - Reclaimed Water - New Storage and Pumping System	JEA	2.0 Mgal storage tank and high service pumps.	Reuse - Storage and Pumping	Reclaimed Water	2.00	\$3.95	\$2,000	2021
St. Johns	SJRWMD	Twin Creeks Reclaimed Water Storage Tank and Booster Pump Station	JEA	2.0 Mgal storage tank and high service pumps.	Reuse - Storage and Pumping	Reclaimed Water	2.00	\$3.50	\$2,000	2021
St. Johns	SJRWMD	CR210 - Longleaf Pine Pkwy to Ashford Mills Rd - Reclaimed Water System Expansion	JEA	Installation of 11,600 feet of 30" and 2,300 feet of 16" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.16	5.00	\$1,000	2023
St. Johns	SJRWMD	CR210 - Old Dixie Hwy to Twin Creeks - Trans - Reclaimed Water System Expansion	JEA	Installation of 9,500 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	2.30	\$1,000	2019
St. Johns	SJRWMD	CR210 - South Hampton to Ashford Mills - Trans - Reclaimed Water System Expansion	JEA	Installation of 7,400 feet of 12" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.65	\$1,000	2018
St. Johns	SJRWMD	CR210 - St Johns Pkwy to Leo Maguire Pkwy - Reclaimed Water System Expansion	JEA	Installation of 9,000 feet of 8" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.01	1.12	\$1,000	2024
St. Johns	SJRWMD	CR210 - Twin Creeks to Russell Sampson Rd - Reclaimed Water System Expansion	JEA	Installation of 12,000 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	3.00	\$1,000	2021
St. Johns	SJRWMD	Greenbriar Rd - Longleaf Pine Pkwy to Spring Haven Dr - Reclaimed Water System Expansion	JEA	Installation of 13,500 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	3.50	\$1,000	2021
St. Johns	SJRWMD	Nocatee - Coastal Oaks Phase 4 - Reclaimed Water System Expansion	JEA	Installation of 3,400 feet of 12" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.17	\$1,000	2016
St. Johns	SJRWMD	Nocatee Area - Artisan Lakes - N10 - Reclaimed Water System Expansion	JEA	Installation of 4,200 feet of 12" reclaimed water main to serve as a gridded transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.23	\$1,000	2016
St. Johns	SJRWMD	Nocatee Area - Crosswater Pkwy - Coastal Oaks to South Village - Reclaimed Water System Expansion	JEA	Installation of 8,400 feet of 16" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.04	0.39	\$1,000	2017
St. Johns	SJRWMD	Nocatee Area - Riverwood POD 17 - Reclaimed Water System Expansion	JEA	Installation of 4,500 feet of 12" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.17	\$1,000	2016
St. Johns	SJRWMD	Nocatee Area - Twenty Mile Village - Reclaimed Water System Expansion	JEA	Installation of 8,400 feet of 12" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.30	\$1,000	2016
St. Johns	SJRWMD	Nocatee Area - Twenty Mile Village Ph 4A - 4B - Reclaimed Water System Expansion	JEA	Installation of 1,400 feet of 12" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.32	\$1,000	2016
St. Johns	SJRWMD	Nocatee North Storage and Repump Facility - New 3.5 MG Reclaimed Water Storage Tank	JEA	Installation of a new 3.5 Mgal storage tank.	Reuse - Storage	Reclaimed Water	0.07	2.50	\$1,000	2017
St. Johns	SJRWMD	Nocatee Storage and Repump Facility Tank Expansion	JEA	Increase storage tank capacity from 1.009 to 1.178 Mgal.	Reuse - Storage	Reclaimed Water	0.003	0.29	\$1,000	2016
St. Johns	SJRWMD	Rivertown - Parcel 13 - Southern POD - Reclaimed Water System Expansion	JEA	Installation of 1,800 feet of 10" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.02	0.06	\$1,000	2017
St. Johns	SJRWMD	Russell Sampson Rd - St. Johns Pkwy to CR210 - Reclaimed Water System Expansion	JEA	Installation of 12,000 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	2.50	\$1,000	2021

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St. Johns	SJRWMD	St Johns Pkwy - Racetrack Rd to Espada Ln - Reclaimed Water System Expansion	JEA	Installation of 5,000 feet of 8" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.01	0.55	\$1,000	2018
St. Johns	SJRWMD	Veterans Pkwy - Longleaf Pine Pkwy to CR210 - Reclaimed Water System Expansion	JEA	Installation of 20,000 feet of 30" and 3,700 feet of 20" reclaimed water main to serve as a transmission pipeline.	Reuse - Pipeline	Reclaimed Water	0.06	8.80	\$1,000	2024
St. Johns	SJRWMD	Bannon Lakes 2 MG Reclaimed Water Storage and Booster Pump Station	SJCUD	2.0 MG storage tank, 2,500 gpm booster pump station, control valve, electrical building, civil site work and yard piping, and associated electrical and instrumentation. The project will supply reclaimed water to new residential customers along International Golf Parkway just east of I-95. The additional storage will allow the County to collect reclaimed water during times of low irrigation demand to be utilized to serve peak irrigation demands. This offsets augmentation supply and conserves groundwater use for over 1,300 homes and commercial properties. As a result of increasing the reclaimed water system storage, the County will be able to reduce the discharge from the Northwest Wastewater Treatment Plant to Mill Creek, a tributary of Six Mile Creek and the lower St. Johns River.	Reuse - Storage and Pumping	Reclaimed Water	0.05	\$2.00	\$18,000	2017
St. Johns	SJRWMD	City of St. Augustine Beach Reclaimed Water System Expansion	SJCUD	10" reuse main east from the Anastasia Island WWTP along 16 th Street to A1A to serve the St. Augustine Beach City Hall and park, continuing southeast to serve a new 73 home subdivision, Ocean Ridge. The new reuse main would also allow future service to customers along the route. The additional conveyance will allow the County to offset potable water demand, conserving groundwater. As a result of expanding the reclaimed water system, the County will be able to reduce the discharge from the Anastasia Island WWTP to the Matanzas River.	Reuse - Pipeline	Reclaimed Water	0.05	\$0.50	\$1,000	2017
St. Johns	SJRWMD	CR 2209 Corridor Reclaimed Water System Expansion	SJCUD	20" reuse main along the future County Road 2209. The project will supply reclaimed water to new residential customers along this corridor, including Steeplechase and Smith Ranch. The additional conveyance will allow the County to offset potable water demand, conserving groundwater use for at least 1,900 homes. As a result of expanding the reclaimed water system, the County will be able to reduce the discharge from the Northwest Wastewater Treatment Plant to Mill Creek, a tributary of Six Mile Creek and the lower St. Johns River.	Reuse - Pipeline	Reclaimed Water	0.57	\$2.00	\$1,000	2017
St. Johns	SJRWMD	Develop supplemental reclaimed water source from stormwater harvesting (Potential I-95 Corridor)	SJCUD	Potential partnership with FDOT to supplement reclaimed water system in the Northwest service area with harvested stormwater from I-95 corridor expansion.	Reuse - Supply	Stormwater	2.00	\$14.50	\$212,000	2025
St. Johns	SJRWMD	Fox Creek Stormwater Harvesting Station	SJCUD	St. Johns County owns a stormwater pond (over 200 MG of storage) on Fox Creek relatively near the SR-16 Wastewater Treatment Facility. As part of the SJCUD Integrated Water Resource Plan, developing a supplemental reclaimed water source from the Fox Creek facility was one of the recommended options. Feasibility study is underway to determine usable volume, treatment and routing options.	Reuse - Supply	Stormwater	0.23	\$6.58	\$32,000	2018
St. Johns	SJRWMD	NW WWTF Reclaimed Water System Expansions/Improvements	SJCUD	Construction of a 2 MG tank and reuse booster station on the new NW WWTF site, and 5,500 lf of offsite 20" reclaimed water transmission main to provide high pressure service to reuse customers located in the SJCUD NW service area. The construction project received SRF Loan funding from FDEP.	Reuse - Pipeline, Storage, Pumping	Reclaimed Water	3.00	\$2.55	\$110,000	2016
St. Johns	SJRWMD	South WRF and Reuse System Expansion	SJCUD	Construction of a 1 MGD AADF Water Reclamation Facility and associated reclaimed water infrastructure to serve new development in the southern SJCUD service area.	Reuse - Storage and Pumping, and Pipeline	Reclaimed Water	1.00	\$26.80	\$486,000	2025

County	Water Management District	Project Name	Implementing Entity	Project Description	Project Type	Water Source	Estimated Water Supply Benefit (mgd)	Total Capital (\$M)	Estimated Annual O&M	Timeframe for Completion*	
St. Johns	SJRWMD	SR 16 Corridor Reclaimed Water System Expansions/Improvements	SJCUD	Improvements consisted of several projects to increase capacity of reclaimed water sent from the SR 16 WWTP and provide high pressure service along SR16 to the World Golf Village area to interconnect with the NW WWTF reuse system. Projects included an inline booster station at the Turnbull Booster Site, a 1 MG GST at the SR 16 WWTP site, a 1.5 MG tank at the Turnbull Booster Site. The inline booster project received SRF Loan funding, and the SR 16 GST received a 1/3 funding grant from the SJRWMD.	Reuse - Pipeline, Storage, Pumping	Reclaimed Water	1.00	\$3.13	\$39,000	2016	
St. Johns	SJRWMD	Twin Creeks 1.5 MG Reclaimed Water Storage and Booster Pump Station	SJCUD	1.5 MG reuse storage tank, 4,200 gpm booster pump station, control valve, electrical building, civil site work and yard piping, and associated electrical and instrumentation. The project will supply reclaimed water to new residential and commercial customers within the Twin Creeks Development located along CR 210W just west of US Highway 1. The additional storage will allow the County to collect reclaimed water during times of low irrigation demand to be utilized to serve peak irrigation demands. This offsets augmentation supply and conserves groundwater use for over 2,000 homes and commercial properties. This project will allow the County to serve the Twin Creeks DRI with reclaimed water for irrigation via a bulk service agreement with JEA, and will reduce nutrient loading to the St Johns River by beneficially reusing wastewater effluent from JEA's Reclaimed Water System.	Reuse - Storage and Pumping	Reclaimed Water	0.60	\$1.75	\$25,000	2018	
St. Johns	SJRWMD	WGV Area Stormwater Harvesting	SJCUD	Harvested stormwater will be collected from a large stormwater system located at the head of the Mill Creek basin in northwest St. Johns County. Once collected, the stormwater will be filtered and disinfected to public access reuse standards, and distributed through the County's reuse transmission system. The County will construct an intake structure in the stormwater basin, install control valves, piping, filtration and disinfection systems, and a new pump station to inject the water into the reclaimed water distribution system. County is currently evaluating feasibility.	Reuse - Supply	Stormwater	0.23	\$1.40	\$12,000	2018	
St. Johns	SJRWMD	CR 214 Water Blending Station	SJCUD	Improvements to the CR 214 WTP site to allow for water quality conditioning of water transferred from the NW Grid to be blended and distributed into the Mainland Water System. Project helps to meet growing demands and helps sustain water quality in the Tillman Ridge Wellfield.	Well field optimization	Floridan	0.06	2.67	\$25,000	2017	
St. Johns	SJRWMD	SR 16 Water Main Interconnect	SJCUD	20" Water Main Extension along SR 16 to connect the NW WTP grid to the CR 214 WTP grid. Project transfers service of the SR 16 corridor to the NW WTP and serves as first phase to allow up to 2 MGD of water to be transferred from the NW grid to the CR 214/Mainland Grid to help meet growing supply demands and help maintain water quality in the Tillman Ridge Wellfield.	Well field optimization	Floridan	0.06	1.97	\$1,000	2014	
St. Johns	SJRWMD	AI WWTP Reuse Storage Tank and Booster Pump Station	SJCUD/ SJRWMD	Construction of a 1 MG tank and reuse booster station to provide high pressure service to reuse customers near the AI WWTP facility. Ultimate goal is to provide reuse service to new developments within a 2 mile radius of the facility. SJRWMD awarded a grant to fund 1/3 of the construction cost.	Reuse - Storage and Pumping	Reclaimed Water	2.00	\$1.51	\$12,000	2016	
St. Johns	SJRWMD	International Golf Parkway - Reclaimed Water System Expansion	SJCUD/ SJRWMD	Installation of a 20" and 16" Reuse WM (approx 13,500 lf total) along International Golf Parkway (IGP) to serve as the transmission main from the Northwest WRF for future development in the World Golf Village area (SJCUD Northwest Service Area). The transmission main will ultimately serve future development east of I-95 along IGP, the bulk of which will be residential reuse for irrigation. SJRWMD awarded a grant to fund 1/3 of the construction cost.	Reuse - Pipeline	Reclaimed Water	0.42	\$2.40	\$2,000	2016	
Total:							97.16	\$309.12			

*Project Status- Projects with past dates have been completed. Projects with 2016-2017 dates are under construction. All other projects have not started