Appendix K

Project Options

Introduction

This appendix provides a list of 99 potential water supply development (WSD), water resource development (WRD), and water conservation project options for the NFRWSP area, as well as 19 conceptual project options. The project options listed include projects that were still in progress from the 2017 NFRWSP and new projects identified by the Districts or submitted by stakeholders. The Districts solicited new projects from area water users via targeted letters to municipalities and permittees, stakeholder email lists, and press releases. A standard project submittal form or project submittal portal was made available to ensure consistent submittals from SJRWMD and SRWMD stakeholders, respectively.

There are 52 WSD projects with a total estimated benefit of 92.4 mgd and a total estimated cost of $1,061.4 million. For WRD projects, there are 23 projects with a total estimated benefit of 51.2 mgd and a total estimated cost of approximately $1,152.2 million. Additionally, the 24 water conservation projects are estimated to have a total estimated benefit of 16.8 mgd, incurring a total estimated cost of $57.5 million. This appendix also includes 19 conceptual projects, where the estimated benefit and cost are yet to be determined (TBD). Overall, these project options offer a comprehensive approach to water management and supply, providing 118 projects that lead to an estimated total benefit of 160.4 mgd and an estimated total cost of $2,271.1 million. There are sufficient project options for the development of water supplies to meet future demand while sustaining the natural systems in the NFRWSP area through 2045.

Projects options are arranged by project category:

- Water Supply Development (Figure K-1 and Table K-2)
- Water Resource Development (Figure K-2 and Table K-2)
- Water Conservation (Figure K-3 and Table K-3)
- Conceptual (Table K-4)

The locations of projects are not exact but are in general areas where projects were submitted. Some projects do not yet have locations assigned; therefore they are not mapped. Indirect Potable Reuse (IPR) projects are shown at the location of the proposed IPR plant since the location of UFA recharge has not yet been determined.

Within each project category, projects are organized by project type. The SJRWMD projects from the 2017 NFRWSP are numbered as “2017” followed by a project number. Any new SJRWMD projects for this 2023 NFRWSP are numbered as “2023” followed by a newly assigned number. The SRWMD projects are numbered based on the SRWMD’s project database tracking system.

These projects are in different phases of construction or planning (project status). For those projects in the planning, proposed, or feasibility review phase, their actual water supply yield may change after the project is implemented. The conceptual project options listed in the NFRWSP do not have water supply benefit estimates or cost evaluations (Table K4). However, they may offer innovative approaches to address future water demands and ensure sustainable water supplies. The conceptual projects are included to provide more options of potential projects that may become feasible if they address environmental, technical, and/or permit criteria.

A project identified for inclusion in this 2023 NFRWSP document might not necessarily be selected for development by the listed water supplier. In accordance with subsection 373.0361(6), Florida Statutes (F.S.), nothing contained in the water supply component of a RWSP should be construed as a requirement for local governments, public or privately owned utilities, special districts, self-suppliers, multi-jurisdictional entities, or other water suppliers to select that identified project.

Table K1: Abbreviations and descriptions for Appendix K: Project Options

Abbreviation	Description
AADF	Annual average daily flow
ACT	Alachua Conservation Trust
BAF/O3	Ozone/biologically active filtration
CCUA	Clay County Utility Authority
DRI	SJCUD specific 2023_46 re: Silverleaf
ERCs	Equivalent residential connections
GRU	Gainesville Regional Utilities
KWRF	Kanapaha Water Reclamation Facility
MG	Million gallons
MSWRF	Main Street Water Reclamation Facility
NA	Not applicable
RCW	Reclaimed water
SCADA	Supervisory control and data acquisition
SEQ	Southeast Quadrant development (I-295 and SR-202)
SJCUD	St. Johns County Utility Department
SWDE	Surface Water Discharge Elimination
TBD	To be determined
WRF	Wastewater reclamation facility

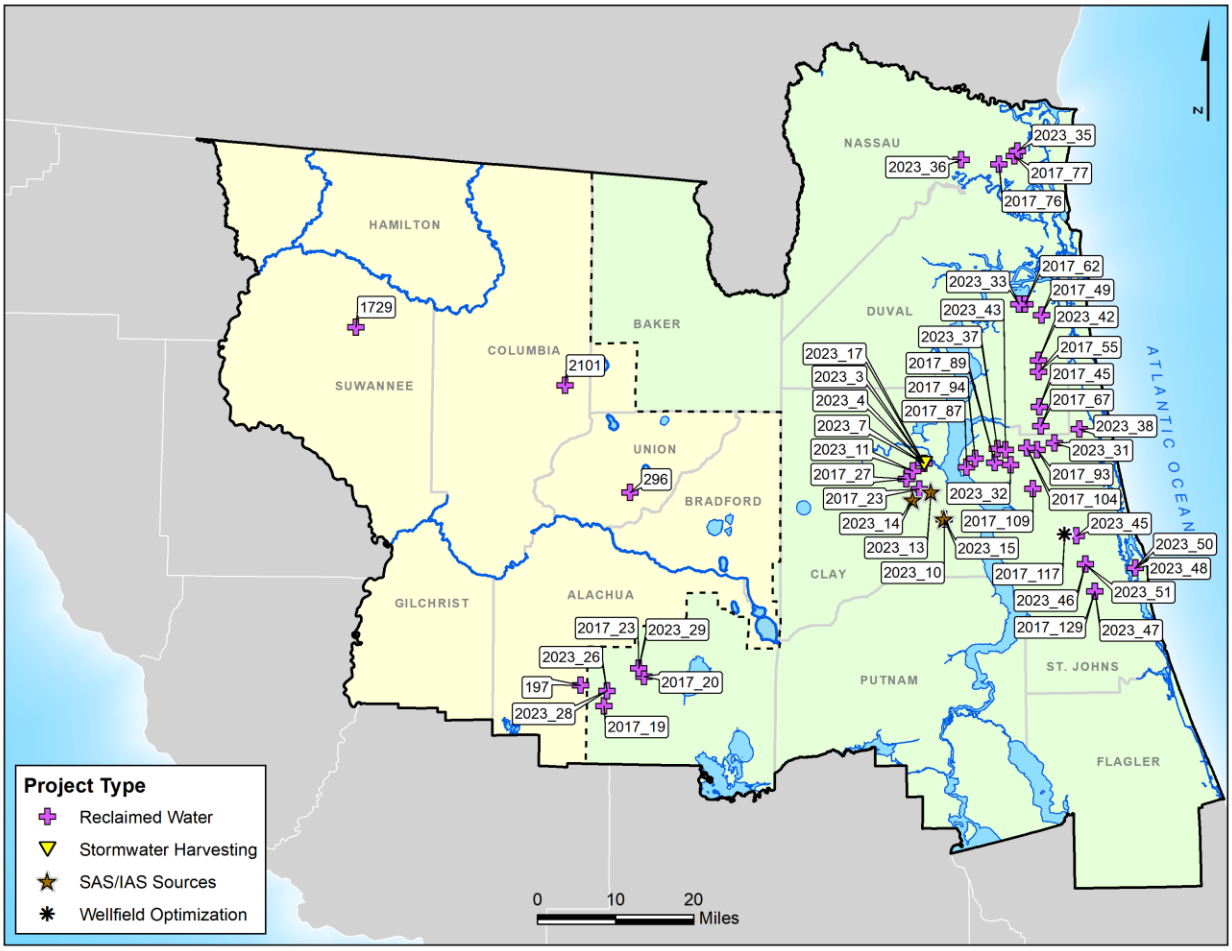

Figure K-1. Proposed water supply development projects in the NFRWSP area

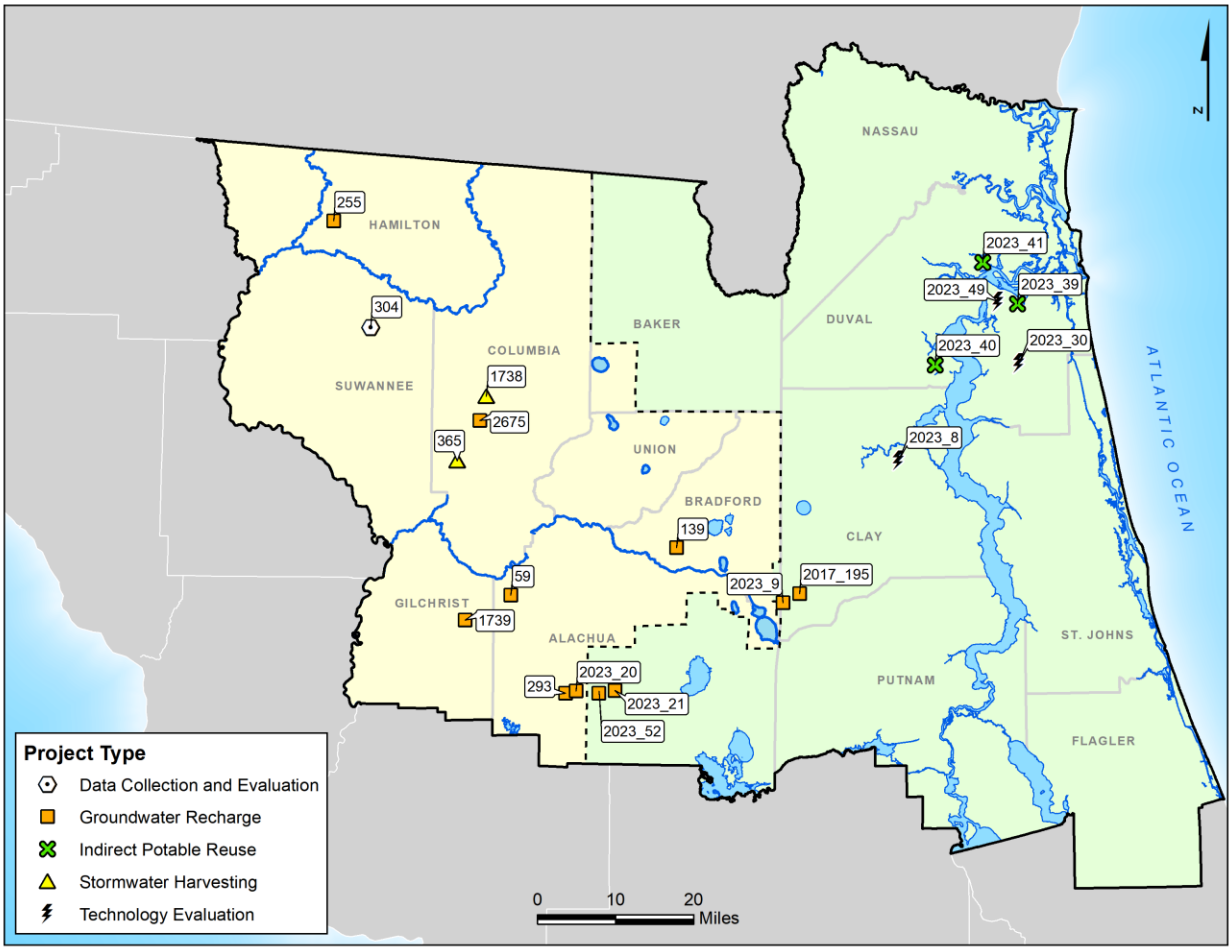

Figure K-2. Proposed water resource development projects in the NFRWSP area

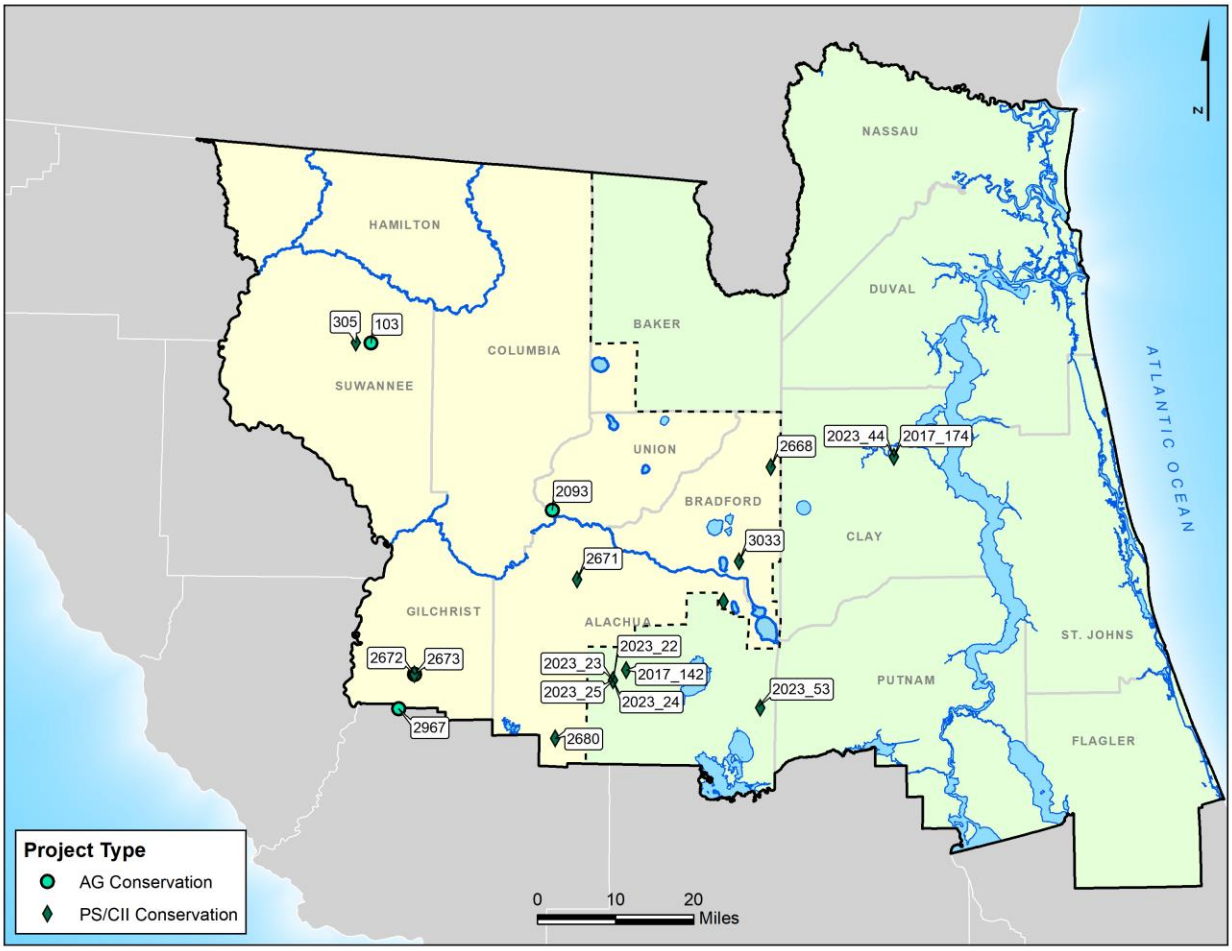

Figure K-3. Proposed water conservation projects in the NFRWSP area

Table K1. Water Supply Development Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
2017_19	NA	SJRWMD	Alachua	Reclaimed Water (for potable offset)	Brytan subdivision Reclaimed Water system expansion	GRU	This project includes expansion of reclaimed water distribution system pipelines in Brytan subdivision to offset use of potable water for irrigation. Related to Project No. 2023_28.	Proposed	2030	0.12	NA	$1.23	$0.003	$1.80
2017_20	NA	SJRWMD	Alachua	Reclaimed Water (for potable offset)	Innovation District Reclaimed Water system expansion	GRU	This project consists of expansion of reclaimed water distribution system pipelines to offset use of potable water for industrial cooling and irrigation in the Innovation District as it develops. RCW comes from MSWRF (rather than from KWRF)	Proposed	2035	0.11	NA	$1.50	$0.004	$2.50
2023_26	NA	SJRWMD	Alachua	Reclaimed Water (for potable offset)	RCW Extension to Future University of Florida Golf Course	GRU	This project consists of an extension of RCW transmission and distribution to future UF Golf Course and includes upgrades to RCW pump station and RCW transmission backbone which is needed to support this project. Project site has not been identified.	Proposed	2026	1.00	NA	$1.80	$0.050	$0.47
2017_23	NA	SJRWMD	Alachua	Reclaimed Water (for potable offset)	Reclaimed Water System Expansion into New Neighborhoods	GRU	This project consists of potential future expansion of RCW distribution system into new neighborhoods	Feasibility Review	2045	0.35	NA	$6.50	$0.01	$3.29
2023_28	NA	SJRWMD	Alachua	Reclaimed Water (for potable offset)	RCW Storage Tank & Pumping Upgrade	GRU	This project consists of a RCW storage tank needed to support buildout of Brytan and extension of RCW into future new neighborhoods. Conserved/AWS benefit nominally estimated at 500,000 gpd based on the approximate sum of the volume from the 2 projects this project supports (Brytan RCW Expansion + RCW Expansion to New Neighborhoods). Related to Project No. 2017_19	Feasibility Review	2040	0.50	NA	$5.00	$0.005	$1.75
2023_2	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Regional Reclaimed Storage Reservoir (build as 200MG)	CCUA	Reclaimed water storage - This project consists of creation of wet weather storage to be used during dry season peak demand. Conceptual project assumes one or more large storage ponds (60-200 MG) for seasonal storage of surplus reclaimed water (4 months) to meet peak demand shortages at a minimum of 1 mgd delivery from ponds.	Feasibility Review	2035	1.0 - 2.0	NA	$100.00	$0.183	NA
2023_3	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Reclaimed Storage Tanks	CCUA	Reclaimed distribution storage - This project consists of seven reclaimed ground storage tanks over five years (5.6 million gallons total). Additional reclaimed storage capacity will allow the utility to store more treated water during peak hours rather than discharging to surface waters. This will also reduce the use of augmentation well and maximize the use of RIBs.	Planning	2029	5.60	NA	$13.11	$0.23	NA
2023_4	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Reclaimed Transmission Optimization for Isolation Projects	CCUA	Transmission system optimization to maximize reuse delivery - This project consists of four projects that will install transmission pipelines to isolated transmission and distribution systems. In conjunction with the Reclaimed Storage Tanks and SCADA projects, this will allow the utility to store more treated water during peak hours rather than discharging to surface waters. This will also reduce the use of augmentation well and maximize the use of RIBs. The Transmission/SCADA/Storage tank suite of projects collectively will position CCUA from an approximately 70% reuse utility to nearly 100% reuse this decade. This represents 2-3 mgd of additional beneficial reuse by the end of the decade	Planning	2025	2.0 - 3.0	NA	$8.51	$0.00	NA
2017_27	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Lake Asbury Reclaimed Mains Expansion	CCUA	This project will expand the reclaimed distribution system with over six miles of new reclaimed distribution mains in the Lake Asbury Master Planned Area (LAMPA). The expansion is expected to serve the equivalent of an additional 8,800+ single family residences.	Design	2029	NA	NA	$8.51	$0.00	NA
2017_23	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Peters Creek WRF, Ponds, Reclaimed Storage & Pipeline (formerly Green Cove Regional RW WTP)	CCUA	This project consists of a new 1.5 MGD AADF Advanced Nutrient Removal WRF producing public access quality reclaimed water, 1.5 MGD wet weather storage ponds, approximately 0.8 MGD onsite reclaimed augmentation, 0.5 MGD RIBs for alternate discharge, and reuse water transmission pipes from the PC WRF to the Governors Park service area. The Peters Creek and Governors Park Reclaimed facilities are expandable, and will ultimately serve approximately 50,000 ERCs at buildout. Related to Project No. 2023_5 and 2023_10.	Construction/ Underway	2024	1.50	NA	$70.58	$1.91	$6.87
2023_10	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Governor's Park Reclaimed Storage and Pumping	CCUA	This project consists of a new reclaimed distribution facility to serve the Governor's Park service area. The facility will include a 0.750 MG ground storage tank and high service pump station. The facility will receive water treated to reclaimed standards from the Peters Creek WRF. Related Project No. 2017_23	Construction/ Underway	2024	0.75	NA	$5.37	$0.26	NA
2023_11	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Saratoga Springs Reclaimed augmentation well, Storage and Pumping	CCUA	This project consists of a new reclaimed distribution facility to serve the Central Clay County service area. The facility will include a 0.750 MG ground storage tank, high service pump station, and an augmentation well. The facility will receive water treated to reclaimed standards from the CCUA Mid-Clay WRF.	Construction/ Underway	2024	2.30	NA	$6.18	$0.81	$1.15
2023_17	NA	SJRWMD	Clay	Reclaimed Water (for potable offset)	Reclaimed SCADA System Optimization	CCUA	This project will optimize use of reclaimed water system by use of SCADA and programming improvements to the reclaimed distribution system. These improvements will include operational changes and infrastructure additions (e.g. additional flow meters) to optimize the use of reclaimed water and reduce the use of water from augmentation wells.	Planning	2024	1.00	NA	$0.68	$0.00	$0.05
2023_29	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	Arlington East WRF - Reclaimed Water Filtration Expansion - Increase Capacity from 8.0 to 10.0 MGD	JEA	This project consists of a 2.0 MGD water reclamation facility filter expansion to support increased reclaimed water demands (project combined with SWDE - Arlington East WRF – Reclaimed Water and Disinfection System Upgrades). Related to Project No. 2017_62	Planning	2025	2.00	NA	$2.80	$0.01	NA
2023_42	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	SEQ to Gate Parkway - Trans - New - R	JEA	This project will install 5,000 feet of 30" reclaimed water main to serve as a transmission pipeline.	Planning	2030	0.12	NA	$4.00	$0.001	$3.56
2017_45	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	Greenland Reclaimed Water Repump Facility - Storage Tank and Booster Pump Station	JEA	This project consists of 12.0 MG in storage tanks and high service pumps. Related to Project No. 2017_67 and 2023_31.	Construction/ Underway	2025	12.00	NA	$40.00	$0.004	$0.40
2017_49	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	Ridenour WTP - Reclaimed Water Storage and Repump	JEA	This project consists of a 3.0 MG storage tank and high service pumps.	Design	2026	3.00	NA	$17.35	$0.004	$0.69
2017_55	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	Davis - Gate Pkwy to RG Skinner - Reclaimed Water System Expansion	JEA	This project will install 13,700 feet of 30" reclaimed water main to serve as a transmission pipeline.	Planning	2025	0.12	NA	$15.10	$0.001	$13.39
2017_62	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	Monument Rd - Arlington East WRF to St Johns Bluff Rd - Reclaimed Water System Expansion	JEA	This project will install 7,900 feet of 20" reclaimed water main to serve as a transmission pipeline. Related to Project No. 2023_29	Planning	2026	0.06	NA	$10.06	$0.001	$17.86
2023_33	NA	SJRWMD	Duval	Reclaimed Water (for potable offset)	SWDE - Arlington East WRF – Reclaimed Water and Disinfection System Upgrades	JEA	This project will increase the reclaimed water production capacity from 8 to 25 mgd at the SWDE-Arlington East WRF. Related to Project No. 2023_39.	Planning	2027	17.00	NA	$111.00	$0.004	$1.15

Table K1, Continued. Water Supply Development Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
2017_67	NA	SJRWMD	Duval/St. Johns	Reclaimed Water (for potable offset)	US 1 - Greenland WRF to CR 210 - Reclaimed Water System Expansion	JEA	This project will install 30,000 feet of 20" reclaimed water main to serve as a transmission pipeline. Related to Project No. 2017_45 and 2023_31.	Construction/ Underway	2023	0.06	NA	$33.80	$0.001	$59.89
2017_76	NA	SJRWMD	Nassau	Reclaimed Water (for potable offset)	Nassau Area - Radio Av - Reclaimed Water Storage Tank and Booster Pump Station	JEA	This project consists of a 1.5 MG storage tank and 1,000 gpm high service pumps.	Construction/ Underway	2023	1.44	NA	$7.27	$0.005	$0.61
2017_77	NA	SJRWMD	Nassau	Reclaimed Water (for potable offset)	Nassau Regional WRF - Expansion to 3 MGD	JEA	This WRF capacity expansion includes 1.0 MG storage tank, 1,500 gpm high service pumps, and high level UV disinfection (estimated cost is for the RW component, not the WRF expansion). Related to Project No. 2023_35	Construction/ Underway	2025	2.16	NA	$10.00	$0.020	$0.57
2023_35	NA	SJRWMD	Nassau	Reclaimed Water (for potable offset)	JP - Nassau - Chester Rd - David Hallman to Pages Dairy Rd - R	JEA	This project will install 1,700 feet of 20" reclaimed water main to serve as a transmission pipeline. Related to Project No. 2017_77	Construction/ Underway	2025	0.06	NA	$1.48	$0.001	$2.66
2023_36	NA	SJRWMD	Nassau	Reclaimed Water (for potable offset)	SR200 - William Burgess Blvd to Police Lodge Rd - Trans - R	JEA	This project will install 14,250 feet of 16" reclaimed water main to serve as a transmission pipeline.	Construction/ Underway	2023	0.04	NA	$6.63	$0.001	$18.60
2017_87	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	RiverTown WTP - New Storage and Pumping System	JEA	This project consists of a 2.0 MG storage tank and high service pumps.	Planning	2027	2.00	NA	$12.00	$0.002	$0.71
2023_31	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	Twin Creeks Reclaimed Water Storage Tank and Booster Pump Station	JEA	This project consists of a 2.0 Mgal storage tank and high service pumps. Related to Project No's 2017_45 and 2017_67.	Construction/ Underway	2023	2.00	NA	$9.02	$0.002	$0.54
2017_89	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	CR210 - Longleaf Pine Pkwy to Shearwater - Reclaimed Water System Expansion	JEA	This project will Install 11,600 feet of 30" and 2,300 feet of 16" reclaimed water main to serve as a transmission pipeline.	Planning	2026	0.16	NA	$6.86	$0.001	$4.63
2023_32	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	CR210 - South Hampton to Shearwater - Trans - Reclaimed Water System Expansion	JEA	This project will install 7,400 feet of 12" reclaimed water main to serve as a transmission pipeline.	Construction/ Underway	2024	0.02	NA	$3.34	$0.001	$17.85
2017_93	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	CR210 - Twin Creeks to Russell Sampson Rd - Reclaimed Water System Expansion	JEA	This project will install 12,000 feet of 20" reclaimed water main to serve as a transmission pipeline. Related to Project No. 2017_14.	Planning	2029	0.06	NA	$7.63	$0.001	$13.56
2017_94	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	Greenbriar Rd - Longleaf Pine Pkwy to Spring Haven Dr - Reclaimed Water System Expansion	JEA	This project will install 13,500 feet of 20" reclaimed water main to serve as a transmission pipeline	Planning	2027	0.06	NA	$8.19	$0.001	$14.54
2017_104	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	Russell Sampson Rd - St. Johns Pkwy to CR210 - Reclaimed Water System Expansion	JEA	This project will install 12,000 feet of 20" reclaimed water main to serve as a transmission pipeline. Related to Project No. 2017_93.	Planning	2028	0.06	NA	$4.27	$0.001	$7.60
2023_37	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	Blacks Ford WRF - Expansion from 6 to 12 mgd	JEA	This project will add 6 MG of storage and pumping. Related to Project No. 2023_43.	Planning	2027	6.00	NA	$30.00	$0.004	$0.88
2023_38	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	Nocatee North - Reclaim Water Storage Tank	JEA	This project will construct a new 3.5 MG storage tank.	Planning	2026	3.50	NA	$10.37	$0.001	$17.11
2023_43	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	Blacksford WRF to Veterans Pkwy – Trans – RW	JEA	This project will install 11,000 feet of 24" reclaimed water main to serve as a transmission pipeline. Related to Project No. 2023_27	Planning	2028	0.08	NA	$5.00	$0.001	$6.86
2017_109	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	CR 2209 Corridor Reclaimed Water System Expansion	SJCUD	Construction of aproximately 12,700 feet of 20" reuse main along the future County Road 2209 in two segments. The first segment is to connect to existing infrastructure between SR 16 and International Golf Parkway. The Second Segment runs from the NW WRF Facility north to connect to the existing Reuse main in Silverleaf. Project helps faciiltate SB 64 goals to interconnect reclaimed water systems. Project will reduce the discharge from the Northwest Wastewater Treatment Plant to Mill Creek, a tributary of Six Mile Creek and the lower St. Johns River.	Design	2024	0.57	NA	$4.00	$0.780	$0.50
2023_45	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	SR 16 Corridor Reuse Transmission Main Expansion	SJCUD	Project to replace approximately 6.7 miles of existing 8-inch reuse main with a new 16-inch and 20-inch reuse main along State Rd 16 to facilitate transmission of reuse water between the SR 16 WRF and the NW WRF grids. Project currently being advertised for design build.	Design	2025	1.00	NA	$11.00	TBD	$0.81
2023_46	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	NW WRF Expansion & Silverleaf DRI Reuse System, Phase 1	SJCUD	Installation of Reuse infrastructure including Filtration, Transmission Infrastructure. Storage, Booster Pumps, and Augmentation sources which will be installed in various phases of the development. Project supplies reclaimed water to Northwest Service area and Silverleaf DRI.	Planning	2027	2.25	NA	$8.00	TBD	$0.58
2023_51	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	NW WRF Expansion & Silverleaf DRI Reuse System, Phase 2	SJCUD	Expansion of NW WRF from 3.75 MGD to 7.5 MGD and Construction of AWS Facility near Trout Creek to augment and support Silverleaf and NW reclaimed water service area.	Planning	2030	5.75	NA	$128.00	TBD	$2.95
2017_129	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	SR 207 WRF Expansion	SJCUD	Construction to expand existing SR 207 WWTP into a 3.25 MGD facility with the intent to provide reclaimed water to nearby new developments. Project creates a hub for reclaimed water service to comply with SB 64	Construction/ Underway	2025	2.75	NA	$195.00	TBD	$7.92
2023_47	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	SR 207 WRF Reuse Transmission Mains	SJCUD	Construction of approximately 8 miles of reuse transmission main (24"/20") to connect the new SR 207 WRF to the NW and SR 16 reuse grids. Project is required to comply with SB 64.	Construction/ Underway	2025	2.00	NA	$20.00	TBD	$4.38
197	SRWS00032C	SRWMD	Alachua	Reclaimed Water (for potable offset)	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. This project includes all phases of the Oakmont Subdivision project.	Design	2033	0.40	NA	$8.40	$0.103	$3.00
2101	NA	SRWMD	Columbia	Reclaimed Water (for potable offset)	North Florida Mega Industrial Park	Columbia County	Retrofit proposed WWTF to meet AWT for future Public Access Reuse (PAR)	Design	2024	0.25	NA	$27.00	$0.50	$17.27
1729	NA	SRWMD	Suwannee	Reclaimed Water (for potable offset)	Live Oak Reuse	Live Oak, City of	Construct extensions to the Live Oak wastewater collection infrastructure which will provide additional reuse.	Design	2024	0.01	NA	$3.24	$0.008	$37.47
296	SRWS00141A	SRWMD	Union	Reclaimed Water (for potable offset)	Lake Butler Wastewater Treatment Facility AWT Upgrade Phase 1	Lake Butler, City of	Funding for this Phase I will complete a feasibility study, design, and permitting for construction of an AWTF, storage surge tank, and wetland that will ultimately be used to construct a new 1.0 MGD WWTF to AWT treatment standards over three phases.	Design	2025	1.00	NA	$3.40	$0.800	$2.52
2023_7	NA	SJRWMD	Clay	Stormwater	Onsite Stormwater Harvesting at WRFs	CCUA	This project will augment the reclaimed water supply by harvesting stormwater from CCUA WRFs with existing stormwater retention ponds - Fleming Island, Mid-Clay, Miller Street, Ridaught and Spencers Crossing. Harvested stormwater would be pumped to the onsite facility and treated to public access reuse standards before being distributed into the reclaimed system.	Planning	2026	0.24	NA	$2.90	$0.026	$1.11

Table K1, Continued. Water Supply Development Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
2023_5	NA	SJRWMD	Clay	Surficial Aquifer System/Intermediate Aquifer System Water Sources	Peters Creek-Governor's Park Shallow Aquifer Augmentation of Reclaimed Water Supply -	CCUA	This project will utilize SAS ground water and recovered Rapid Infiltration Basin (RIB) water to augment the reclaimed supply, particularly during peak demand months. Construction of SAS wells near RIBs at Peters Creek Water Reclamation Facility (PCWRF), and along the approximately 7 mile transmission pipeline between Peters Creek and Governor's Park reclaimed storage and pumping sites. Raw water will be disinfected and added to the reclaimed storage tanks or along the reclaimed transmission line. Related to Project 2017_23.	Feasibility Review	2032	2.20	NA	$13.60	$0.33	$0.83
2023_13	NA	SJRWMD	Clay	Surficial Aquifer System/Intermediate Aquifer System Water Sources	Peters Creek WTP & Production Well # 3 -2.02 MGD Expansion	CCUA	This project consists of an expansion of the Peters Creek potable water distribution facility which uses the SAS. A new 1,400 gpm well, 1.25 MG ground storage tank and related appurtenances will be added.	Permitted	2027	2.02	NA	$4.60	$0.71	$1.12
2023_14	NA	SJRWMD	Clay	Surficial Aquifer System/Intermediate Aquifer System Water Sources	Pier Station WTP Expansion	CCUA	This project consists of a an expansion of the Pier Station potable WTP as growth in area occurs. This WTP uses the SAS as its source water.	Planning	2026	0.25	NA	$2.70	$0.09	$1.70
2023_15	NA	SJRWMD	Clay	Surficial Aquifer System/Intermediate Aquifer System Water Sources	Governor's Park WTP	CCUA	This project consists of a new potable water treatment and distribution facility to serve the Governor's Park service area. The facility will include two new dual zone (SAS and IAS), 1,770 gpm wells, a 0.500 MG ground storage tank, high service pump station and related appurtenances	Design	2025	0.50	NA	$9.00	$0.18	$2.20
2023_50	NA	SJRWMD	St. Johns	Reclaimed Water (for potable offset)	AI WWTP Reclaimed Process Improvements	SJCUD	Upgrade treatment process to supply 100% public-access reuse	Planning	2032	2.00	NA	$25.00	TBD	$1.39
2017_117	NA	SJRWMD	St. Johns	Wellfield Optimization	CR 214 Water Blending Station (NW to Mainland PWS 2 MGD Transfer)	SJCUD	This project will improve water quality to the CR 214 WTP site by conditioning of the water transferred from the NW Grid that is blended and distributed into the Mainland Water System. Project helps to meet growing demands and helps sustain water quality in the Tillman Ridge Wellfield. Phase I for a 1 mgd Blending Station is complete. Phase II to transfer 2 mgd of flow facilitated by CR 208 Booster and NW WTP PhB expansion is in progress.	Construction/ Underway	2023	0.00	NA	$10.47	TBD	$0.74
Total										**92.44**	**0.00**	**$1,061.44**	**$7.06**	**$308.01**

*The estimated benefits for project 2023_2 and 2023_4 were assumed to be 1.5 mgd and 2.5 mgd, respectively, for the purposes of calculating total benefits across all projects.

Table K2. Water Resource Development Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
304	SRWS00156A	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Data Collection and Evaluation	Alternative Water Supply Feasibility Studies	Local Governments, Water Authorities, Wastewater Treatment Facilities	Conduct AWTF analysis and feasibility studies including treatment wetlands and reclaimed water alternatives.	Construction/ Underway	2024	0.00	NA	$4.00	NA	NA
2023_52	NA	SJRWMD	Alachua	Groundwater Recharge	GRU KWRF RCW Pump station and Transmission Backbone Improvement	GRU	The Transmission Backbone Improvement project is a necessary component to increase capacity of the KWRF RCW pumping station and transmission pipeline to 8 mgd in order to support Project No. 2023_20 GW Recharge Wetland Phase 2 (2 mgd) , Project No. 2023_26 RCW Extension to Future UF Golf Course (1 mgd), and Project No. 2023_21 Future GW Recharge Wetlands (5 mgd). The actual benefit for this project is shown as 0.0 mgd, since the benefit to the water resources is reflected in the related projects as noted above. Unit production costs for this project were calculated based on the 8 mgd of transmission volume.	Planning	2025	0.00	NA	$3.00	$0.20	$0.14
2023_20	NA	SJRWMD	Alachua	Groundwater Recharge	Groundwater Recharge Wetland Phase 2	GRU	This project consists of Phase 2 of the recharge wetland using RCW from Kanapaha WRF on the 75 ac site that was purchased in Phase 1. RCW Pump Station and Transmission Backbone Improvement needed to support this project. Related to Project No. 293	Planning	2034	2.00	NA	$5.00	$0.10	$0.59
2023_21	NA	SJRWMD	Alachua	Groundwater Recharge	Future Groundwater Recharge Project	GRU	This project will recharge groundwater using RCW. Project site not identified. May be co-located with UF Golf Course. RCW Pump Station and Transmission Backbone Improvement needed to support this project.	Feasibility Review	2040	5.00	NA	$20.00	$0.30	$0.88
2017_195	NA	SJRWMD	Clay	Groundwater Recharge	Black Creek WRD Project	SJRWMD / JEA, CCUA, SJCUD, GRU and other local cooperators	The primary goal of the Black Creek Water Resource Development Project is to increase recharge to the UFA in northeast Florida using excess flow from Black Creek. The project will divert up to 10 mgd from the South Fork of Black Creek during wet weather high flow periods. Diversions will only be made when there is sufficient flow available to ensure the protection of natural resources within the creek. The water will be pumped through a transmission system before eventually discharging into Alligator Creek. Alligator Creek flows into Lake Brooklyn, which will increase recharge to the UFA through the lake bottom.	Construction/ Underway	2024	8.04	NA	$100.00	$5.00	$2.90
2023_9	NA	SJRWMD	Clay	Groundwater Recharge	Keystone WWTP and RIB Expansion	CCUA	This project consists of a new or expanded groundwater recharge plant in the Keystone Heights capable of treating up to 0.300 mgd of increasing wastewater flows from residential, commercial, and industrial wastewater.	Feasibility Review	2027	0.30	NA	$11.10	$0.38	$6.01
59	SRWS00076A	SRWMD	Alachua	Groundwater Recharge	Infiltrative Wetlands for WWTF Effluent Treatment Disposal	City of High Springs	Convert the City of High Springs existing sprayfield into infiltrative wetlands.	Construction/ Underway	2024	0.48	NA	$12.35	$1.20	$9.66
293	SRWS00129B	SRWMD	Alachua	Groundwater Recharge	Groundwater Recharge Wetland Phase 1 (Southwest Nature Park)	GRU	This project consists of Phase 1 of constructing a groundwater recharge wetland using RCW from Kanapaha WRF on 75-acre site. Related to Project No. 2023_20.	Design	2026	3.00	NA	$12.00	$0.20	$0.90
409	NA	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Ecosystem Services	SRWMD	This project will focus on establishing a framework to implement silvicultural management practices on forested lands to benefit the NFRWSP and additional areas benefitting OFS. Reducing forest evapotranspiration (ET) will result in increased aquifer recharge (targeted to the UFA), spring flows, and water yield to nearby streams and wetlands.	Proposed	2045	9.00	NA	$54.00	TBD	TBD
3034	NA	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Upper Santa Fe Stormwater Capture Project	SRWMD	This project will evaluate methods to enhance the beneficial use of stormwater. A series of studies are underway to provide storage and recharge options to support LSFRB Recovery Strategy. Linked to conceptual projects 358, 359, 360, 361, 362, 364, 367, 372, 375, 378.	Proposed	2045	2.50	NA	$35.00	TBD	TBD
139	SRWS00092A	SRWMD	Bradford	Groundwater Recharge	Brooks Sink Ph II	SRWMD	Redirect flow to a natural sink.	Proposed	2045	0.20	NA	$0.50	$0.05	$0.05
2675	NA	SRWMD	Columbia	Groundwater Recharge	Lake City Recharge wetland expansion	Lake City, City of	Convert the Steedly sprayfield to a created treatment wetland to reduce nutrients and provide recharge	Construction/ Underway	2026	0.23	NA	$6.10	$0.025	$2.92
1739	SRWS00149A	SRWMD	Gilchrist County	Groundwater Recharge	Devil's Ear Spring Recharge Land Acquisition Project	FWC	Less-than-fee simple acquisition (conservation easement) of approximately 2,742 acres within the Devil's Ear Spring (OFS) PFA under the Santa Fe River Basin Management Action Plan. This property accounts for about 2% of the total acreage of the Devil's Complex PFA. Approximately 75% of the property is considered to have high recharge value with the remaining portion of the property being either medium-high or low-medium. The project consists of seven individual parcels in Gilchrist County owned by one individual and all required pre-acquisition costs to complete transactions. Currently the property is used for timber and once acquired the conservation easement will be monitored by FWC.	Design	2026	0.00	NA	$5.26	TBD	TBD
255	SRWS00147A	SRWMD	Hamilton	Groundwater Recharge	Hamilton County Aquifer Recharge Replacement Wells and Water Quality Improvement	SRWMD	This project concept is to replace two 12-inch drainage wells to provide recharge to the UFA and flood protection in the Alapaha Basin. The wells would allow up to 2 MGD of natural aquifer recharge to the Upper Floridan aquifer and the potential for increased recharge contribution in the form of alternative water supplies from the City of Jasper and surrounding communities. Positive flows into the wells will provide a benefit to springs Along the Upper Suwannee River.	Proposed	2045	2.00	NA	$0.70	$0.003	$0.05
2023_6	NA	SJRWMD	Clay	Indirect Potable Reuse	Indirect Potable Reuse	CCUA	This project consists of an IPR Plant including recharge wells (1 mgd). Reclaimed water will be treated to potable standards, and used to directly recharge the UFA (IPR). This project is related to a demonstration project (Project No.2023_8).	Feasibility Review	2038	1.00	NA	$2.25	$1.16	$4.73
2023_39	NA	SJRWMD	Duval	Indirect Potable Reuse	SWDE - Arlington East WRF Purification Facility	JEA	This project consists of a 6.0 mgd water purification facility (capacity conceptual, subject to change) and UFA Recharge Wells. Discharge will be used to replenish the aquifer. Related to Project No. 2023_33.	Design	2031	6.00	NA	$284.00	$0.019	$8.33
2023_40	NA	SJRWMD	Duval	Indirect Potable Reuse	SWDE - Southwest WRF Purification Facility	JEA	This project consists of a 8.0 mgd water purification facility (capacity conceptual, subject to change) and UFA Recharge Wells. Discharge will be used to replenish the aquifer.	Planning	2031	8.00	NA	$300.00	$0.025	$6.60

Table K2, Continued. Water Resource Development Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
2023_41	NA	SJRWMD	Duval	Indirect Potable Reuse	SWDE - Cedar Bay Purification Facility	JEA	This project consists of a 2.4 mgd water purification facility (capacity conceptual, subject to change) and UFA Rechage Wells. Discharge will be used to replenish the aquifer.	Planning	2031	2.40	NA	$202.00	$0.008	$14.80
365	NA	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Stormwater	Dispersed Storage for Recharge and Alternative Water Supply	SRWMD	This project will evaluate methods to enhance the beneficial use of stormwater with a focus on retrofitting and enhancing stormwater management systems. This beneficial use could be in the form of enhanced recharge and/or implementation of storm ponds or other storage as an alternative water supply. The primary benefit will be capturing more stormwater as beneficial recharge and reducing runoff. In some cases, stormwater may also serve as an available water source for an alternative water supply. (Linked from results of 360).	Construction/ Underway	2027	NA	3.00	$2.10	TBD	TBD
1738	NA	SRWMD	Columbia	Stormwater	Quail Heights Regional Pond	FDOT/Columbia County	Construction of a regional stormwater pond near I-75 and SR247 interchange to alleviate flooding and benefit Cannon Creek and the Ichetucknee Trace.	Construction/ Underway	2025	0.03	NA	$8.95	$0.001	$35.60
2023_8	NA	SJRWMD	Clay	Technology Evaluation	Mid-Clay WRF Potable Reuse Pilot Demonstration	CCUA	This is a pilot-scale potable reuse demonstration project. A reuse demonstration facility is being constructed at the Mid-Clay WRF. The technology train will be BAF/O3, and will not produce a brine or reject stream needing disposal. Instead, BAF/O3 will produce filter backwash that will go back through plant headworks. CCUA will use the facility to demonstrate the quality of water that can be produced (permitting driver), for operator training, and for public engagement. Related to Project No. 2023_6.	Construction/ Underway	2024	NA	NA	$4.54	$0.90	NA
2023_30	NA	SJRWMD	Duval	Technology Evaluation	Water Purification Demonstration Facility (previously named Water Treatment Pilot/Demonstration Phase 1 and 2)	JEA	This project is a purified water pilot and demonstration project.	Construction/ Underway	2025	1.00	NA	$72.51	$0.003	$12.75
2023_49	NA	SJRWMD	Duval	Technology Evaluation	JEA Ozone-Wetland Treatment Pilot Testing	JEA / SJRWMD / DEP	SJRWMD is collaborating with JEA and FDEP on a pilot study project utilizing water from JEA's Buckman wastewater treatment facility (WWTF) to evaluate the potential for future use of Buckman effluent for UFA recharge and/or alternative water supply. The Buckman wastewater influent contains wastewater discharges from a significant number of industrial customers. Prior to implementing a project for treating Buckman WWTF effluent as a supply for aquifer recharge, a pilot study is necessary to determine if pre-treatment with ozone is effective in breaking down industrial chemicals sufficiently to facilitate assimilation of the organic contaminants in the treatment wetland. The pilot study will be conducted over a two-year period following construction of the pilot wetland basins and appurtenant pilot components. A minimum of 6 months will be required to allow the wetland plants establish. Cost to design/permit/construct $4.2M and 2.825 for monitoring/sampling/lab analysis/report. The project will begin design and permitting by October 1, 2023.	Design	2026	NA	NA	$6.83	NA	NA
Total										**51.18**	**3.00**	**$1,152.18**	**$9.58**	**$106.91**

Table K3. Water Conservation Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
2760	NA	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Agricultural Conservation	Agriculture Springs Protection	Producers	District wide Cost-share to reduce nutrient load and water usage in the BMAPs and WRCAs.	Construction/ Underway	2027	3.00	NA	$3.75	TBD	TBD
103	SRWS00082A	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Agricultural Conservation	Sustainable Suwannee Ag Pilot Program - Low Input*	FDEP	Pilot program for agricultural operations, landowners, counties and cities, private companies, and other entities within specific geographical areas to submit proposals to reduce water use and improve water quality by reducing and removing nutrients	Construction/ Underway	2026	2.55	NA	$2.50	TBD	TBD
228	SRWS00108B	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Agricultural Conservation	Accelerating Suwannee River Restoration and Silviculture Management	ACT; Rayonier Conservation Trust	Incentivize silviculture and rural land conservation to reduce groundwater pumping and nitrogen loading in the Middle Suwannee springshed.	Construction/ Underway	2025	3.03	NA	$2.38	TBD	TBD
2093	NA	SRWMD	Columbia	Agricultural Conservation	Graham Farm Acquisition	ACT	Acquire acreage in the NFRWSP area to support MFL recovery and preserve land use from development changes. Remove agricultural irrigation well.	Construction/ Underway	2026	0.29	NA	$1.80	$0.005	$1.99
2673	NA	SRWMD	Gilchrist	Agricultural Conservation	Piedmont Dairy Conversion	Alliance Grazing Group, LLP	Conversion from grazing to free-stall barns to reduce nutrients and groundwater pumping	Construction/ Underway	2025	0.45	NA	$5.59	$0.60	$5.50
2967	NA	SRWMD	Gilchrist	Agricultural Conservation	Smart Soakers	UF/IFAS	Reduce water usage through the use of Smart soaker for cattle cooling.	Planning	2026	0.04	NA	$0.49	$0.003	$18.75
2023_22	NA	SJRWMD	Alachua	PS and CII Conservation	Advanced Metering Infrastructure (AMI)	GRU	This project will replace existing meters with smart meters that can help detect leaks on the customers side of the meter, while also replacing service laterals that are made of polybutylene which are prone to leaking.	Construction/ Underway	2024	1.00	NA	$16.40	$0.20	$3.45
2023_23	NA	SJRWMD	Alachua	PS and CII Conservation	Large meter replacement	GRU	This project will replace existing large meters with more accurate new meters. Greater accuracy will promote conservation.	Construction/ Underway	2023	0.09	NA	$0.40	$0.00	$0.81
2023_24	NA	SJRWMD	Alachua	PS and CII Conservation	Toilet/Indoor Plumbing Retrofit Phase 2	GRU	This project is Phase 2 of the Plumbing Retro-fit Program and will replace toilets, sink aerators, and shower heads with low flow units.	Design	2025	0.04	NA	$0.11	$0.00	$0.43
2023_25	NA	SJRWMD	Alachua	PS and CII Conservation	Toilet/Indoor Plumbing Retrofit Future Phases	GRU	This project is a future phase of the Plumbing Retro-fit Program and will replace toilets, sink aerators, and shower heads with low flow units	Proposed	2035	0.13	NA	$0.32	$0.00	$0.43
2017_142	NA	SJRWMD	Alachua	PS and CII Conservation	Future GRU Water Conservation Projects	GRU	This future project will Implement cost effective projects that may include but are not limited to public education, advanced metering, indoor plumbing retrofit, commercial water efficiency programs and outdoor irrigation efficiency programs.	Feasibility Review	2035	0.80	NA	$2.00	$0.00	$0.40
2023_16	NA	SJRWMD	Clay	PS and CII Conservation	Advanced Metering with Customer Dashboard	CCUA	This project will provide customers with water savings tools by expanding the capabilities of its existing Advanced Metering Infrastructure to increase the savings realized through customer-side notifications of excessive or abnormal water use. Customers will be able to view water use in short term intervals, and the automated system will alert users the same day they occur. Customers can also gain insight into water use patterns and behaviors which can result in reductions in water use. The project is being performed in as part of a major ERP platform upgrade.	Construction/ Underway	2024	0.45	NA	$0.75	$0.025	$0.27
2023_18	NA	SJRWMD	Clay	PS and CII Conservation	Customer DSM Programs (take midpoint or water prod)	CCUA	This project is a Demand Side Management Programs Composite in which CCUA has identified a number of demand side management programs that can reduce potable and reclaimed usage. These programs will be adding the DSM portfolio over the next decade. Costs and water savings from these programs occur over the entire life of the program. Programs may include single family high efficiency toilet rebates, high efficiency clothes washer rebates, commercial ice machine and restaurant pre-rinse spray valve rebates, smart irrigation controller rebates, and new development turf reduction ordinance.	Feasibility Review	2033	1.27	NA	$1.59	$0.00	$0.37
2017_174	NA	SJRWMD	St. Johns	PS and CII Conservation	Promote Cost-Effective Conservation Programs	SJCUD	This is an on-going project to reduce demands through conservation. Focus will include retrofits to indoor and outdoor fixtures, improving customer education, irrigation efficiency programs, and utilizing soil moisture sensing devices to reduce irrigation demands. Programs and projects will be evaluated using the H20 SAV tool.	Construction/ Underway	2025	1.80	NA	$0.18	$0.18	$0.06
2023_44	NA	SJRWMD	St. Johns	PS and CII Conservation	NW Wellfield VFD addition	SJCUD	This project is part of the effort to optimize operation of the Northwest Well Field in accordance with SJCUD's Wellfield Optimization Plan. Phase I of this project will install VFD pump controls on new wells as part of the current expansion project. Phase II will retro-fit existing wells. Assumes a 20% supply benefit.	Construction/ Underway	2025	1.55	NA	$1.00	TBD	$0.24
2023_53	NA	SJRWMD	Alachua	PS and CII Conservation	Water Main Replacement, Phase 4	Hawthorne	This project is Phase 4 and 5 of a city-wide water distribution system replacement effort by the City. All phases have been designed, and Phase 1-3 & 5 have been constructed. The remaining portions of the water distribution system consists mostly of approximately 16,600 linear feet of cast iron and galvanized steel pipe that is over 60 years old and has exceeded its useful life. Project completion will conserve precious water resources by significantly reducing water losses and need for frequent flushing.	Construction/ Underway	TBD	0.01	NA	$3.27	$0.005	$37.19
2680	NA	SRWMD	Alachua	PS and CII Conservation	Archer Water System Improvements	Archer, City of	Replacement of aging infrastructure to reduce water loss in the NFRWSP area.	Planning	2027	0.00	NA	$4.80	$0.005	$268.79
2671	NA	SRWMD	Alachua	PS and CII Conservation	Reducing Impacts from Urban Landscapes	Alachua County EPD	Reduction of water use in landscape irrigation in the NFRWSP area.	Planning	2027	0.07	NA	$0.45	$0.009	$1.46
2669	NA	SRWMD	Alachua	PS and CII Conservation	DH/DHR water sharing	GRU	Reduce groundwater pumping by connecting a shared water system at the GRU power plants to conserve water	Construction/ Underway	2030	0.20	NA	$0.93	$0.007	$0.70
2672	NA	SRWMD	Alachua	PS and CII Conservation	High Springs Limerock Mine	Alachua County	Acquire acreage in the NFRWSP area to support MFL recovery and preserve land use from development changes.	Construction/ Underway	2026	0.01	NA	$1.60	$0.014	$17.58
305	SRWS00158A	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	PS and CII Conservation	Water Supply Infrastructure Improvements	Public Water Supply Entities	Includes replacement of aging infrastructure, distribution and safety improvements.	Proposed	2033	0.00	NA	$4.00	$0.04	NA
3033	NA	SRWMD	Bradford	PS and CII Conservation	Hampton AMR water meter replacement	Hampton, City of	Installation of AMR meters to reduce water loss in the NFRWSP area.	Construction/ Underway	2023	0.01	NA	$0.18	$0.003	$28.97
2668	NA	SRWMD	Bradford	PS and CII Conservation	Lawtey Water Main Replacement	Lawtey, City of	Replacement of aging infrastructure to reduce water loss in the NFRWSP area.	Planning	2026	0.02	NA	$2.80	$0.06	$23.50

Table K3, Continued. Water Conservation Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name/Description (two columns if needed)	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M ($M)	Unit Cost ($/1,000 gallons)
NA	NA	SRWMD	Bradford	PS and CII Conservation	Waldo AMR water meter replacement	Waldo, City of	Installation of AMR meters to reduce water loss in the NFRWSP area.	Proposed	2025	0.01	NA	$0.20	$0.005	$4.88
Total										**16.81**	**0.00**	**$57.48**	**$1.16**	**$415.77**

Table K4. Conceptual Project Options

RWSP Project No.	DEP Project ID	District	County	Project Type	Project Name	Implementing Agency or Entity	Project Description	Project Status	Estimated Completion Date	Estimated Benefit (mgd)	Storage Capacity Increased (MG)	Total Capital Cost ($M)	Estimated Annual O&M	Unit Cost ($/1,000 gallons)
33	SRWS00074A	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Agricultural Conservation	Agricultural Efficiency Improvements	SRWMD/Producers	Implement water savings measures in the Eastern Planning Region.	Construction/ Underway	2045	TBD	NA	TBD	TBD	TBD
2023_12		SJRWMD/SRWMD	TBD	Groundwater Recharge	North Florida RWSP Project Conceptualization Partnership	CCUA, JEA, SJCUD, and GRU	Develop a list of feasible, conceptual regional projects or programs for the NFRWSP and MFL prevention/recovery strategies for the LSFIR and the Suwannee River. Tasks include 1. collection and review of utility IWRP and WW discharge records; 2. individual utility conceptual project ideas review; 3. identification and screening of projects for further conceptual development and 4. project list refinement and prioritization.	Proposed	2024	TBD	NA	TBD	TBD	TBD
217	SRWS00131A	SRWMD	Bradford	Groundwater Recharge	Rayonier South Water Supply Project	SRWMD	Restore natural flows with or without enhanced storage or aquifer recharge to UFA.	Proposed	2045	0.00	NA	$3.50	TBD	TBD
142	SRWS00094A	SRWMD	Bradford	Groundwater Recharge	WestRidge	TBD	Restore natural flows with or without enhanced storage or aquifer recharge to UFA.	Proposed	2045	1.00	NA	$2.79	TBD	TBD
240		SRWMD	Bradford	Groundwater Recharge	Bradford County Silviculture & Recharge	University of Florida	The purpose of this project is to enhance opportunities for aquifer recharge to UFA for the silvicultural lands and areas with surplus surface waters.	Conceptual	2045	TBD	NA	$2.00	TBD	TBD
358		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Municipal Stormwater Discharge Project	SRWMD	The purpose of this project will be focused on identifying locations where towns/cities discharge to open subbasins that then discharge to the Santa Fe River.	Conceptual	2045	TBD	NA	$0.04	TBD	TBD
359		SRWMD	Alachua	Groundwater Recharge	Open to Closed Basin Project	SRWMD	The purpose is to determine which basins, that are closed in smaller storm events, but are open in larger events, could be closed for the larger storm events such that the extra volume stored could be recharged into the aquifer through percolation.	Conceptual	2045	TBD	NA	$0.06	TBD	TBD
360		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Retention Pond Project Phase I	SRWMD	The purpose of this Project will be to determine if existing retention ponds were modified to store more water, would they be able to still meet permitting criteria, on average, how much would it cost to modify them, how much water could be recharged, and if there were cost effective things that could be done to increase the amount of water percolating in ponds.	Conceptual	2045	TBD	NA	$0.07	TBD	TBD
361		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Santa Fe Basin Sinkhole Recharge Evaluation	SRWMD	The purpose of these projects will be to find locations to place storage ponds to assist with increasing rechange to the groundwater or to be used as alternative water supply.	Conceptual	2045	TBD	NA	$0.12	TBD	TBD
362		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	City Stormwater Recharge Study Phase II	SRWMD	The purpose of this project will be focused on identifying locations where storage ponds could be located adjacent or within towns/cities that are in open subbasins that discharge to the Santa Fe River.	Conceptual	2045	TBD	NA	$0.05	TBD	TBD
364		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	LaCrosse Stormwater Recharge Project Investigation Phase II	SRWMD	The purpose is to evaluate the regulatory feasibility, estimated benefits, and project costs of increased recharge of stormwater in LaCrosse from capturing water from Rocky Creek.	Conceptual	2045	TBD	NA	$0.08	TBD	TBD
366 linked to 409		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Ecosystem Services	University of Florida	This project will focus on establishing a framework to implement silvicultural management practices on forested lands to benefit the NFRWSP and additional areas benefitting OFS. Reducing forest evapotranspiration (ET) will result in increased aquifer recharge (targeted to the UFA), spring flows, and water yield to nearby streams and wetlands. (linked to project 409)	Conceptual	2037	TBD	NA	$2.00	TBD	TBD
367		SRWMD	Bradford	Groundwater Recharge	Starke-Bradford Master Plan Project	SRWMD	The purpose of this project will be focused on identifying locations where projects can be undertaken within the City of Starke or in Bradford County to enhance core missions of the District .	Conceptual	2045	TBD	NA	$0.08	TBD	TBD
372		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Retention Pond Project Phase II	SRWMD	The purpose of this Project will be to determine if increasing the amount of stormwater stored in retention ponds will have an adverse impact on groundwater, downstream wetlands, water levels and/or Minimum Flows at nearby gauges.	Conceptual	2045	TBD	NA	$0.20	TBD	TBD
374		SRWMD	Hamilton	Groundwater Recharge	Cooperative Aquifer Recharge Project	Agricultural Chemicals	The purpose of this project is to identify UFA recharge locations based on water quality and water availability metrics.	Conceptual	2045	TBD	NA	TBD	TBD	TBD
375		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Santa Fe River Basin and Stream Storage Investigative Project	SRWMD	The purpose is to identify and prioritize potential pond sites within open subbasins in the Lower Santa Fe and Ichetucknee (LSFI) basin watersheds that can be used to hold additional stormwater and will percolate the excess water to recharge groundwater levels.	Conceptual	2045	TBD	NA	$0.09	TBD	TBD
378		SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	Groundwater Recharge	Cow Creek Project	SRWMD	The purpose of this project will be to develop projects that provide storage and recharge to the groundwater that build off results from the Open to Closed Basin Project (0359) and the Santa Fe Basin Sinkhole Rechange Evaluation (0361).	Conceptual	2045	TBD	NA	TBD	TBD	TBD
194	SRWS00120A	SRWMD	Alachua, Bradford, Columbia, Gilchrist, Hamilton, Suwannee, Union	PS and CII Conservation	SRWMD PS/CII Conservation Potential	SRWMD	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures to reduce commercial water consumption.	Proposed	2045	TBD	NA	TBD	TBD	TBD
2023_1		SJRWMD	Duval	PS and CII Conservation	Water Conservation Education Program	Atlantic Beach	Working with the City's Environmental Stewardship Committee and with technical assistance from SJRWMD staff, the City of Atlantic Beach Public Utilities Department will implement a voluntary water use bench-marking program and educational outreach program with the goal of reducing per capita water use within the City by 15%.	Conceptual	TBD	0.35	NA	TBD	TBD	NA
Total										**1.35**	**0.00**	**$11.07**	**$0.00**	**$0.00**