Attachment 1 - SJRWMD FY2019 REDI/Innovative Cost-Share Project Ranking

Project Rank	Name	SJR Core Mission	Total Score (0-100)	Total Estimated Project Cost	Estimated Construction Cost	Total District Portion	Cumulative Total District Funding (running total)	County	Project Description
REDI Projects									
1	Bunnell SR100 West Reclaimed Water Extension	Water Supply	**79**	$572,084.41	$493,176.41	$493,176.41	**$493,176.41**	Flagler	The project consists of extending the City's reclaimed distribution main from Grand Reserve Blvd. west along SR 100 to N. Palmetto Street (approximately 1.1 miles). The project is estimated to provide 0.29 million gallons per day (MGD) of alternative water and reduce nutrient loading to Haw and Black Branch Creek by approximately 7,060 lbs./yr total nitrogen (TN) and 980 lbs./yr total phosphorous (TP).
2	Palatka Potable Water Main Improvements P5	Water Supply	**77**	$548,212.83	$500,000.00	$500,000.00	**$993,176.41**	Putnam	The project involves the replacement of approximately 3,700 linear feet of cast iron pipes with PVC. The project is expected to provide a water supply benefit of 0.013 MGD by reducing the number of line breaks and will also improve water pressure.
3	Flagler Beach Flood Mitigation Improvements	Flood Protection	**72**	$550,000.00	$500,000.00	$500,000.00	**$1,493,176.41**	Flagler	The project includes construction of swales in the City that will provide flood protection. The project will provide approximately 131,500 cubic feet of storage and protect approximately 80 acres from flooding.
4	Fernandina Beach Area 1 Drainage Improvements	Water Quality	**68**	$412,945.16	$412,945.16	$412,945.16	**$1,906,121.57**	Nassau	This project will upgrade the existing drainage system in the North 15th Street area where currently no stormwater treatment exists. The project includes construction of a wet detention pond, a floating wetlands system, and suntree inlet skimmers to reduce sediment and nutrient content. The project is estimated to reduce nutrient loading to Egans Creek (which drains to the Ft. Clinch Aquatic Preserve) by approximately 50 lbs./yr TN and 10 lbs./yr TP.
5	Mascotte SR50 Water Main Replacement	Water Supply	**68**	$500,000.00	$500,000.00	$500,000.00	**$2,406,121.57**	Lake	The project involves the replacement of approximately 5,500 linear feet of water main along SR50 from west of Sunset Avenue to west of Palmwood Avenue. The project is expected to provide a water supply benefit of 0.05 MGD by reducing the number of line breaks.
6	Interlachen Water System Improvements P4	Water Supply	**59**	$530,000.00	$500,000.00	$500,000.00	**$2,906,121.57**	Putnam	The project involves the replacement of approximately 5,500 LF of 40 year old water main, along with new valves, fire hydrants, and water services. The project will also include the addition of a new water main to create a loop that will improve water system pressure, improve and expand fire flow capabilities, and decrease water main repairs and maintenance. The project is expected to result in a water supply benefit of 0.008 MGD by reducing the number of line breaks.
7	Crescent City Water Line Replacement Project	Water Supply	**58**	$582,000.00	$500,000.00	$500,000.00	**$3,406,121.57**	Putnam	The project includes the replacement of approximately 5,500 linear feet of 80 year old water distribution mains and lateral service lines. The project is estimated to result in a water savings of 0.01 MGD.
8	Hilliard Advanced Metering Infrastructure	Water Conservation	**58**	$547,236.00	$547,236.00	$337,660.00	**$3,743,781.57**	Nassau	The project includes installing advanced metering infrastructure (AMI) and is anticipated to result in a water savings of 0.033 MGD.
9	Umatilla Water Treatment Plant 2 Upgrades	Water Supply	**48**	$500,000.00	$500,000.00	$500,000.00	**$4,243,781.57**	Lake	The project involves upgrading the City's Water Treatment Plant No 2. It includes replacement of 2,700 feet of galvanized water main with PVC main, conversion of the well pump to variable frequency drive, adding a pressure control system, installing a chlorine residual and pH analyzer, and remote telemetry unit and control. The project will result in an estimated savings of 0.05 MGD of water lost from leaks.
10	Palm Coast Flood Control Structure K-6	Flood Protection	**44**	$780,000.00	$700,000.00	$350,000.00	**$4,593,781.57**	Flagler	The project includes installation of a Supervisory Control and Data Acquisition (SCADA) system which remotely operates a flood control gate and monitors upstream water levels and gate position as well as monitors downstream water levels, velocity and flow. The primary benefit is to provide Flood Protection, while conserving water within the watershed by holding back runoff.

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Innovative Projects									
1	Alachua County Little Hatchet Creek Permeable Reactive Weir	Water Quality	**81**	$315,000.00	$130,000.00	$65,000.00	**$65,000.00**	Alachua	The project involves the construction of two low profile permeable reactive weirs to treat baseflow for additional phosphorus removal in the Little Hatchet Creek watershed. This project uses passive flow through porous media technology that was developed to remediate elevated phosphorus from wastewater and agricultural practices, and more recently stormwater treatment. The project is estimated to reduce nutrient loading to Little Hatchet Creek by approximately 980 lbs./yr TP and 3,350 lbs./yr TN.
2	CCUA Stormwater Mining Project	Water Supply	**67**	$920,180.00	$609,180.00	$304,590.00	**$369,590.00**	Clay	The project involves the construction of a stormwater harvesting pilot project to supplement the public access reuse system with stormwater from an FDOT wet detention pond located along the first phase of the First Coast Outer Beltway/SR23. The project involves the installation of 1,000 to 1,200 feet of horizontal well adjacent to FDOT's wet detention stormwater ponds; including a wetwell and submersible pump for the augmentation into CCUA's nearby public access reclaimed water distribution system. The project is expected to provide approximately 0.7 MGD of alternative water.
3	Jacksonville Stormwater Microbe Treatment Pilot Project	Water Quality	**66**	$354,880.74	$106,339.25	$53,169.63	**$422,759.63**	Duval	The intention of this pilot study is to evaluate the application of naturally occurring microbe products as an alternative nonstructural Best Management Practice (BMP) as a low cost means to capitalize on existing wet detention stormwater treatment facilities through an increase in treatment efficiency. This pilot project shall provide an analytical evaluation to quantify any increase in nutrients and bacteria treatment efficiency in wet detention ponds through the addition of MICROBE-LIFT products. The project is expected to reduce nitrogen loading into the Lower St. Johns River by approximately 150 lbs./yr.