

**Attachment 1**

**Ranking of Fiscal Year 2019-20 Districtwide Cost-Share Applications**

**Funding limit of \$1.5M per project, per entity**

- 1 -Project submitted to FDEP for Springs Protection Funding.
- 2 -(bold red font in Project Rank Column) Project exceeded individual entity cap for funding.
- -Projects above this line ranked high enough for consideration of District cost-share funding.

Project Rank	Name	SJR Primary Core Mission	Total Score (0-100)	Estimated Construction Cost	Total District Portion	% Cost Share	Cumulative Total District Funding (running total)	Project Description
1	Volusia County Wastewater Infrastructure for Blue Spring	Water Quality	100	\$5,825,000	\$1,425,000	24%	<b>\$1,425,000</b>	The project includes the decommissioning of the Volusia County Del North wastewater treatment plant, construction of a master lift station and 3 miles of 12-inch forcemain, and connection to the Volusia County Southwest Regional Water Reclamation Facility for advanced wastewater treatment. Both sites are within the Volusia Blue Springs Priority Focus Area (PFA) and the pending Basin Management Action Plan (BMAP) area for Volusia Blue Springs. The estimated water quality benefits are 6,390 lbs./yr total nitrogen (TN) load reduction and 2,065 lbs./yr total phosphorous (TP) load reduction.
2	CCUA Tynes Reclaimed Water (RCW) Storage	Water Quality	96	\$4,500,000	\$1,485,000	33%	<b>\$2,910,000</b>	The project includes the construction of two 750,000-gallon reclaimed-water storage tanks and a distribution facility to provide reclaimed water to over 772 new customers within the Two Creeks, Pine Ridge, Linda Lakes, and Azalea Ridge subdivisions. The estimated water quality benefit is 1,484 lbs./yr TN load reduction within the Lower St. Johns River BMAP area and a secondary water supply benefit of 0.10 to 0.46 million gallons per day (MGD) of alternative water.
3	Longwood East Longdale Septic to Sewer Conversion	Water Quality	94	\$5,223,336	\$1,500,000	29%	<b>\$4,410,000</b>	This project involves decommissioning 218 septic tanks and connecting the properties to a constructed central sewer line in an existing residential area. Wastewater will be pumped to Seminole County's water reclamation facility. The estimated water quality benefit is 2,519 lbs./yr TN load reduction.
4	Marion County Silver Springs Shores Regional Capacity Improvements and Package Plant Removal	Water Quality	92	\$10,566,783	\$1,500,000	14%	<b>\$5,910,000</b>	The project consists of improvements to the Silver Springs Shores (SSS) Wastewater Treatment Facility (WWTF) to enhance the nutrient removal capabilities to meet Advanced Wastewater Treatment (AWT) standards and to expand the capacity by 0.5 mgd for future package plant and septic-to-sewer connections. The project also includes the construction of infrastructure to connect two package WWTFs and one church septic system to the SSS WWTF. This includes construction of three new lift stations, rebuilding two existing lift stations and installation of three new forcemains. The two package plants will also be decommissioned and demolished. The estimated water quality benefit is 3,532 lbs./yr TN load reduction and a secondary benefit of 0.01 MGD alternative water made available within the Silver Springs PFA and the pending BMAP area.
5	Cocoa Beach Muck Removal Phase 2b	Water Quality	90	\$7,292,650	\$1,500,000	21%	<b>\$7,410,000</b>	The project includes dredging 12 canals (approximately 60 acres) in the northern part of the City of Cocoa Beach, with the goal to remove and dispose of 150,000 cubic yards of muck. The project is Phase 2b, and the final phase of an overall three-phase plan. The estimated water quality benefit is a one time load reduction of 189,000 lbs. TN and 115,800 lbs. TP from the Indian River Lagoon (IRL).
6	Marion County US 441 Sewer Forcemain	Water Quality	89	\$2,409,920	\$0	0%	<b>\$7,410,000</b>	The project includes constructing approximately 17,000 linear feet of forcemain through a commercial corridor connecting the Spruce Creek Golf and Country Club sewer system to the Stonecrest sewer system. This project will move discharges farther from Silver Springs and provide more reclaimed water for irrigation from the Stonecrest WWTF. The estimated water quality benefit is a TN load reduction of approximately 200 lbs./yr TN, and an AWS benefit of approximately 0.07 MGD. The project is located in the Silver Springs PFA and pending BMAP area. This project exceeded the \$1.5 million cap per entity.
7	St Johns County Marsh Landing RCW Main	Water Quality	89	\$1,644,500	\$542,685	33%	<b>\$7,952,685</b>	The project involves the construction of approximately 7,200 linear feet of reclaimed water main from the Marsh Landing WWTF to the Oak Bridge Golf Course. This will allow reclaimed water from the Marsh Landing WWTF to be sent to Oak Bridge Golf Course; thereby reducing excess reclaimed water discharge to the Intracoastal Waterway. The estimated water quality benefit is 8,834 lbs./yr TN and 1,815 lbs./yr TP load reduction within the Lower St. Johns BMAP area. Furthermore, by using reclaimed water to irrigate, groundwater withdrawals will be reduced at the Oak Bridge Golf Course by approximately 0.06 MGD.
8	Bishop's Gate Septic to Sewer Connection	Water Quality	89	\$844,391	\$278,649	33%	<b>\$8,231,334</b>	Construction includes connection of 74 single family townhomes, a clubhouse and offices (equivalent to 10 additional units), and 126 future units to a central sewer system. Existing septic tanks will be decommissioned. The estimated water quality benefit is 2,162 lbs./yr TN load reduction to Lake Harris.
9	Kashi Church Foundation Septic to Sewer Conversion	Water Quality	87	\$290,488	\$95,861	33%	<b>\$8,327,195</b>	The project includes the abandonment of 12 existing septic tanks and drainfields, installation of 3,000 linear feet of sewer pipes, 11 sanitary manholes, and connection to existing sewer at the north end of the property. The estimated water quality benefit is 139 lbs./yr TN load reduction to the IRL.

Attachment: Attachment 1-FY20 DWCS App Ranking Summary (Ranking of Cost-Share project

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Project Rank	Name	SJR Primary Core Mission	Total Score (0-100)	Estimated Construction Cost	Total District Portion	% Cost Share	Cumulative Total District Funding (running total)	Project Description
<b>10</b>	Marion County Lake Diamond RCW Extension	Water Supply	85	\$752,000	\$0	0%	<b>\$8,327,195</b>	The project includes the construction of a reclaimed water line from Marion County's existing transmission main on Midway Road to the stormwater ponds within the Lake Diamond Golf and Country Club near the City of Ocala for use as an irrigation source to offset groundwater withdrawals. The project is within the Silver Springs PFA. The project will result in an AWS benefit of approximately 0.21 MGD. This project exceeded the \$1.5 million cap per entity.
11	Rockledge Gus Hipp Ditch Denitrification Improvements	Water Quality	84	\$200,000	\$66,000	33%	<b>\$8,393,195</b>	The project includes the installation of Bio-Sorption Activated Media (BAM) along approximately 1,700 linear feet of the bottom of the Gus Hipp Ditch. This will filter the City's stormwater prior to out falling into the North IRL. The estimated water quality benefit is 5,185 lbs. yr TN and 790 lbs./yr TP load reduction to the IRL.
12	Volusia County Thornby Park Surface-Water Quality Improvements	Water Quality	84	\$341,315	\$75,000	22%	<b>\$8,468,195</b>	The project construction involves installing an upflow filter with sorption media downstream of an existing wet-detention pond that serves Debarry Avenue and installing a nutrient separating baffle box along Providence Boulevard. The estimated water quality benefit is 183 lbs./yr TN and 24 lbs./yr TP load reduction to Lake Monroe.
13	Indian River County Moorhen Marsh Low Energy Aquatic Plant System	Water Quality	83	\$8,705,000	\$1,500,000	17%	<b>\$9,968,195</b>	The project involves the construction of a surface water and groundwater seepage treatment project to improve water quality in the IRL. This project will provide treatment by pumping flow from the Indian River Farms Water Control District's North Relief Canal, which serves approximately 6,300 acres of urban and agricultural land, through two treatment cells with a variety of aquatic vegetation that will sequester and remove nutrients from the water column. The estimated nutrient load reduction benefit to the IRL is 7,614 lbs./yr TN and 1,251 lbs./yr TP.
<b>14</b>	Ocala Lower Floridan Aquifer Supply Wells Phase 2	Water Supply	82	\$480,000	\$158,400	33%	<b>\$10,126,595</b>	The project is included in the Silver Springs Prevention Strategy (approved by the Governing Board April 2017). As a result, Florida Statute (Section 373.805, FS) requires that the District provides at least 25 percent of the total project cost. This is the second phase of a multi-year project. Phase 2 includes the installation of three 150 HP Pumps, three motors, and three controllers to operate three 24-inch Lower Floridan aquifer wells at Ocala's water treatment plant No. 2. The estimated natural systems benefit to Silver Springs is 0.38 MGD from reduced pumpage in the Upper Floridan aquifer within the Silver Springs PFA.
15	Lake County Lake Yale Marsh Park Stormwater Enhancement	Water Quality	82	\$125,000	\$41,250	33%	<b>\$10,167,845</b>	The project includes the construction of a linear water quality treatment pond at Marsh Park on Lake Yale. Construction of the pond will create additional storage and littoral shelves with a mix of wetland plants. The pond will provide treatment to existing stormwater flows from CR 450 and the adjacent upland basin totaling approximately 66 acres. The estimated nutrient load reductions to Lake Yale are 93 lbs./yr TN and 12 lbs./yr TP.
16	West Melbourne Sylvan Dr Septic to Sewer Conversion	Water Quality	80	\$2,044,330	\$674,629	33%	<b>\$10,842,474</b>	The project involves the decommissioning of 59 residential septic systems near the M-1 Canal and connection to the central sewer system. This project includes construction of a new gravity sewer system in the Sylvan Drive right-of-way, construction of a new lift station within City-owned property on Sylvan Drive, construction of sewer laterals from all 59 homes to the new gravity mains, and abandonment of all existing septic systems. The estimated water quality benefit is 642 lbs./year of TN load reduction to the M-1 Canal and ultimately the IRL.
17	JEA Low Income Toilet Exchange	Water Conservation	80	\$150,000	\$75,000	50%	<b>\$10,917,474</b>	The program will provide eligible low-income customers up to two high-efficient toilets in exchange for older, inefficient toilets in JEA's service area. JEA will expand on the Neighborhood Energy Efficiency program to offer toilet replacements to approximately 200 homes per year, replacing up to 400 toilets. The estimated water conservation benefit is 0.012 MGD water conserved.
<b>18</b>	Indian River County North Sebastian Septic to Sewer Conversion Phase 2	Water Quality	80	\$4,080,354	\$0	0%	<b>\$10,917,474</b>	The project includes the construction a gravity sewer system to service an area of primarily residential and a few non-residential properties on septic. Construction includes approximately 15,400 linear feet of sewer main, 54 manholes, and a lift station. The septic tanks will be decommissioned. The estimated water quality benefit is 2,080 lbs./yr TN load reduction to the IRL. This project exceeded the \$1.5 million cap per entity.
<b>19</b>	JEA Gate Parkway Burnt Mill Rd to Validus Dr RCW Line	Water Supply	77	\$1,507,120	\$0	0%	<b>\$10,917,474</b>	The project includes construction of approximately 10,200 linear feet of reclaimed water main to connect customers currently using potable water for irrigation. The estimated water supply benefit is 0.192 MGD of alternative water and a secondary benefit of 3,985 lbs./yr TN and 390 lbs./yr TP load reduction to the St. Johns River due to less effluent being discharged from the Arlington East WWTF. This project exceeded the \$1.5 million cap per entity.

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20	South Daytona Windle Lane Stormwater Improvements	Water Quality	77	\$530,000	\$174,900	33%	\$11,092,374	Project construction includes excavating and connecting two existing stormwater ponds, installing a pump station to aid in recovery during and after major storm events, and an outfall structure to stop tailwater from backing up in Reed Canal. The estimated water quality benefit is 70 lbs./yr TN and 34 lbs./yr TP load reduction to the Halifax River and a secondary benefit of flood protection to a 50-acre residential area.
<b>21</b>	CCUA Saratoga Springs RCW Storage & Distribution	Water Supply	77	\$2,992,000	\$0	0%	\$11,092,374	The project includes the construction of a 750,000-gallon storage and distribution facility that will deliver reclaimed water to over 2,000 new customers in the Cross Creek, Rolling Hills, and Avonlea in the Saratoga Springs Planning Area. This project will also prevent discharge of the reclaimed water into Peters Creek and the Lower St Johns River. The estimated water supply benefit is 0.78 MGD of alternative water and an estimated secondary water quality benefit of 6,360 lbs./yr TN load reduction to Peters Creek and the Lower St. Johns River. This project exceeded the \$1.5 million cap per entity.
22	Jacksonville McCoys Creek Improvements	Flood Protection	75	\$17,500,000	\$1,500,000	9%	\$12,592,374	The flood protection project involves the restoration of 1.5 miles of McCoys Creek and the adjacent floodplain including restoration of the creek (dredging, reshaping and creation of various natural system types) and restoration of the mouth of the creek at the St. Johns River. The flood protection project protects approximately 52 acres containing 62 structures from a 100-year storm event.
<span style="background-color: #92d050;">23</span>	FGUA Mount Plymouth Wastewater Treatment Plant (WWTP) Nutrient Reduction Improvements	Water Quality	74	\$1,031,400	\$340,362	33%	\$12,932,736	The project includes a WWTP capacity expansion and treatment upgrade of one treatment train within an existing, two-train package-plant at Mt. Plymouth golf course. Redevelopment of the existing golf course will require additional wastewater treatment capacity. The estimated water quality benefit is 263 lbs./yr TN load reduction within the pending Wekiva BMAP area.
24	St Johns County San Diego Rd Drainage Improvements	Flood Protection	72	\$880,000	\$290,400	33%	\$13,223,136	The project includes the construction of drainage inlets and a storm sewer system along San Diego Road and Ponte Vedra Boulevard. The existing drainage system does not have adequate capacity, thus causing flooding of San Diego Road and Ponte Vedra Boulevard even during minor (Mean Annual) storm events. Ponte Vedra Boulevard is a Major Collector Roadway, and the only means of significant north-south travel in this area. In addition, it is a designated evacuation route in emergency conditions. The estimated benefit is flood protection over a 0.5-mile section of roadway.
<span style="background-color: #92d050;">25</span>	Marion County Spruce Creek Golf Club Home Owners Association (HOA) RCW System Delivery Improvements	Water Supply	72	\$250,000	\$0	0%	\$13,223,136	The County's reclaimed water system improvements for this project include construction of a hydropneumatic tank, piping, and addition of a screening mechanism to reduce particulates in the reclaimed water. This project will improve and increase delivery of reclaimed water to the HOA to reduce potable water irrigation. The estimated increased AWS benefit is 0.08 MGD within the Silver Springs springshed. This project exceeded the \$1.5 million cap per entity.
26	JEA Twin Creeks RCW Storage and Delivery	Water Supply	70	\$7,005,753	\$1,425,000	20%	\$14,648,136	The project includes the construction of two 1.5-million-gallon storage tanks and five pumps with a building to house the pumps, as well as connector pipes from the existing reclaimed water system to the tanks. The upgrades will serve the Twin Creeks development. The estimated water quantity benefit is providing approximately 1.9 MGD of reclaimed water. The water quality benefit includes a nutrient-load reduction to the St. Johns River of approximately 20,400 lbs./yr TN and 6,600 lbs./yr TP due to less effluent being discharged from the Mandarin WWTF.
27	Palatka South Historic District Stormwater Phase 2	Water Quality	69	\$1,500,000	\$1,500,000	100%	\$16,148,136	The project involves the installation of an exfiltration trench and stormwater conveyances over 11 blocks of the southern historic District of the City of Palatka. The Phase 2 project addresses stormwater discharges to the two remaining discharge points not addressed during Phase 1. The estimated water quality benefit to the St. Johns River is a nutrient load reduction of 48 lbs./yr TN and 7.9 lbs./yr TP.
<span style="background-color: #92d050;">28</span>	Marion County Orange Blossom Hills Lower Floridan Aquifer Well	Water Supply	69	\$2,060,000	\$679,800	33%	\$16,827,936	The wellfield optimization project includes the construction of a Lower Floridan aquifer (LFA) well to reduce impacts to Silver Springs. Approximately 2.4 MGD of UFA pumping is shifted to the LFA, thereby reducing impacts to Silver Springs.

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29	Cocoa Beach Convoir Cove Stormwater Low Impact Development	Water Quality	67	\$205,000	\$40,000	20%	\$16,867,936	The project construction involves a treatment train of low impact design best management practices; including permeable pavers, underground cisterns, and rain gardens; as well as a bioactivated media nutrient sorption barrier-wall. The project, once completed, will reduce nutrient loading to the Banana River Lagoon and groundwater. The estimated water quality benefit is 58 lbs./year TN and 5 lbs./year TP load reduction to the Banana River Lagoon.
30	Marion County Water Use Efficiency Plan	Water Conservation	66	\$39,000	\$13,000	33%	\$16,880,936	The County's water conservation program includes toilet rebates, water conservation kits (shower head, faucet aerators, hose nozzle, toilet leak detector tabs, toilet flapper valve), and irrigation system retrofits. The estimated water conservation benefit is 0.01 MGD water conserved.
31	Deland Spring Hill Septic to Sewer Conversion	Water Quality	65	\$2,641,200	\$871,596	33%	\$17,752,532	The project includes construction of approximately 8,000 linear feet of gravity sewer, a sewage lift station, decommissioning 180 septic tanks, and connecting the properties to sanitary sewer. The estimated water quality benefit is 1,856 lbs./yr TN load reduction within the pending BMAP area and PFA for Volusia Blue Springs.
32	Deland RCW Main Phase 4 and 4A	Water Supply	62	\$4,430,200	\$1,461,966	33%	\$19,214,498	The project includes the construction of a 12-inch reclaimed water main extension along US 192 to supply reclaimed water to the Glenwood Springs and Cascades Park subdivisions. Both neighborhoods currently irrigate with private wells and potable water. The project provides approximately 0.21 MGD of reclaimed water.
33	Ocala Toilet Exchange Program	Water Conservation	62	\$80,000	\$40,000	50%	\$19,254,498	The project involves replacing older, inefficient toilets with low-flow WaterSmart options for residents in the City of Ocala water distribution area. The City will contract with local plumbers to install the efficient toilets. No more than two (2) toilets will be offered for program participants. The estimated water conservation benefit is 0.04 MGD water conserved annually. The project is within in the Silver Springs springshed.
34	Daytona Beach Beach Street Tidal Backflow Preventers	Flood Protection	61	\$485,029	\$160,060	33%	\$19,414,558	The project construction includes 4 backflow preventers for the outfalls between Basin Street and Orange Avenue in Daytona Beach. The backflow prevention valve sizes range from 15 to 38 inches in diameter. The estimated benefit is protection of 21 acres in downtown Daytona Beach from flooding.
35	Southlake Utilities Lower Floridan Aquifer Alternative Water Source for Irrigation	Water Supply	59	\$1,575,313	\$519,853	33%	\$19,934,411	The project consists of re-activating an existing Lower Floridan aquifer well, which was constructed in 2005 and determined to be unsuitable for potable water supplies. The proposed use is for irrigation water supply after being blended with UFA water sources. The estimated water supply benefit is 0.66 MGD of alternative water.
36	OCU Water Wise Neighbor Phase 4	Water Conservation	58	\$245,069	\$99,401	41%	\$20,033,812	The project involves the distribution of water savings devices to willing participants within 200 new homes and 500 existing residences. The devices distributed through the program include low flow shower heads, toilets, and faucets, and irrigation equipment such as high efficiency nozzles, hose bib timers, and rain sensors. The estimated water conservation benefit is 0.09 MGD.
37	Palm Coast Indian Trails Sports Complex RCW Extension	Water Supply	57	\$560,000	\$184,800	33%	\$20,218,612	The project consists of extending reclaimed water service to the Indian Trails Sports Complex Irrigation System. The reclaimed water will be used to irrigate the sports complex, which currently uses groundwater. The estimated water supply benefit is 0.04 MGD alternative water.
38	Oviedo Stormwater Park	Water Quality	57	\$2,134,000	\$704,220	33%	\$20,922,832	The project includes construction of a regional stormwater pond to provide centralized drainage for existing and future development planned in the downtown area. The estimated water quality benefit is 38 lbs./yr TN and 11.5 lbs./yr TP load reduction within the Lake Jesup BMAP area.
39	Alachua County Robin Lane Flood Mitigation	Flood Protection	56	\$417,796	\$137,873	33%	\$21,060,704	Project construction includes increasing the elevation of 850 linear feet of roadway, and installing a stormwater drainage system, including a stormwater pond, to protect access/evacuation for 96 residential units in the Robin Lane Subdivision of Gainesville.
40	Alachua County Hills of Santa Fe Flood Mitigation	Flood Protection	56	\$423,716	\$139,826	33%	\$21,200,531	The project includes construction to increase the elevation of 550 linear feet of roadway, and installing a stormwater drainage system, including a stormwater pond, to protect access/evacuation for 154 residential units in the Hills of Santa Fe Subdivision of Gainesville.
41	Putnam County Port Authority Septic to Sewer Conversion	Water Quality	54	\$1,621,187	\$1,500,000	93%	\$22,700,531	The project includes decommissioning 14 commercial septic systems and connecting the parcels to sewer. The project consists of direct lateral sewer connections from the facilities to the sewer system owned and operated by the city of Palatka. The estimated water quality benefit is 152 lbs./yr TN load reduction to the Lower St. Johns River.

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42	Port Orange Drainage and Stormwater Improvements	Water Quality	54	\$1,004,641	\$331,532	33%	<b>\$23,032,062</b>	The project includes construction of a drainage conveyance system, including inlets, pipe, and exfiltration trench to provide additional water quality and flood protection benefits to a residential area. The estimated water quality benefit is 45 lbs./yr TN and 7 lbs./yr TP load reduction to the Halifax River, and a secondary flood protection benefit to the residential area.
43	Belleview Septic to Sewer Conversion Region 1	Water Quality	46	\$6,702,955	\$1,500,000	22%	<b>\$24,532,062</b>	This project involves the construction of a new sewer line and associated infrastructure to connect 156 existing septic tanks to the central sewer system. The project is in the planning stages. The project is located within the PFA of the Silver Springs Springshed. The estimated water quality benefit is 1,622 lbs./yr TN load reduction to Silver Springs.
44	Marion County Silver Springs Shores Group 3 Water Infrastructure	Natural Systems	42	\$491,728	\$162,270	33%	<b>\$24,694,332</b>	The project includes installing approximately 6,800 linear feet of PVC water main and approximately 10 fire hydrants. By installing this infrastructure, the County intends to connect 60 existing homes to central water and encourage abandonment of the existing potable wells.
45	Putnam County St Johns Ave Drainage Improvements	Flood Protection	36	\$4,003,225	\$875,521	22%	<b>\$25,569,853</b>	The project includes modifying two existing stormwater ponds, replacing a culvert, constructing a drainage outfall, and installing a new stormwater trunk line along St. Johns Avenue. The project is part of a multi-phased project consisting of six segments. Project is in the early stages of development. The estimated benefit is additional flood protection to 100 acres of roadway and adjacent parcels.
46	OCU Wekiwa Springs Septic to Sewer Conversion	Water Quality	36	\$21,896,594	\$1,500,000	7%	<b>\$27,069,853</b>	The project includes decommissioning 367 residential septic tanks and connecting to sewer, including the installation of 27,000 linear feet of gravity sewer, lateral connections, forcemains, 98 manholes, two duplex pump stations, and connections to existing lift stations. The project is in the early phases of development. The estimated water quality benefit is 3,593 lbs./yr TN load reduction within the Wekiwa Springs springshed.
47	Alachua County Kanapaha Prairie	Flood Protection	23	\$500,000	\$165,000	33%	<b>\$27,234,853</b>	The project includes the construction of a flood control structure, which will help control stormwater discharge to downstream Kanapaha Prairie and protect residences from flooding during major storm events. Preliminary work indicates that the structure will include three 54- inch culverts with screw operated sluice gates; however, the project is still in the planning stages and modeling, design, land acquisition, and other elements are needed to finalize the construction elements.
48	Holly Hill Ferndale Drainage Retention Pond	Flood Protection	22	\$775,000	\$225,000	29%	<b>\$27,459,853</b>	The project includes the construction of a retention pond to improve drainage around Marcene Dr., Magnolia Ave, and 8th Street that will alleviate flooding caused by severe storms.

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<b>VOLUNTARILY WITHDRAWN</b>								
	Fernandina Beach Area 7 Drainage Improvements	Water Quality		\$755,852	\$755,852			The project involves the upgrade of an existing drainage system including replacement of an crushed culvert, installation of new inlets and pipe. This operation and maintenance project was voluntarily withdrawn by the applicant from consideration.
	Flagler Beach Infrastructure Rehabilitation	Water Quality		\$750,000	\$250,000			The project consists of replacement of existing cast iron pipe and lining existing vitrified clay pipes and manholes. This operation and maintenance project was voluntarily withdrawn by the applicant from consideration.
	Ocala Septic to Sewer Conversion	Water Quality		\$2,188,501	\$722,205			The project includes the abandonment of septic tanks and connection to sanitary sewer for 200 residents within the City of Ocala. The applicant voluntarily withdrew the application from consideration at this time due to funding constraints.
	OCU Cloud Based Irrigation Controller Project	Water Conservation		\$168,050	\$84,025			The project includes the installation of cloud-based irrigation controllers to reduce water usage from irrigation for approximately 300 Orange County residents. The applicant voluntarily withdrew the application from consideration.
	Palm Coast K-6 Flood Control Structure	Flood Protection		\$706,500	\$233,145			The project involves upgrading the current flood control structure with a Supervisory Control and Data Acquisition system; which will operate the control gate and monitor the upstream water levels and gate position as well as monitor the downstream water levels, velocity and flow. This operation and maintenance project was voluntarily withdrawn by the applicant from consideration.
<b>COULD NOT SCORE</b>								
	Equity Lifestyles Spanish Oaks Water Quality Improvements and Sewer Connection	Water Quality		NA	\$0			This funding request (\$147,600) is for 100% design support. The project consists of design and is expected to be followed by demolition of an existing private wastewater package plant, design and construction of a lift station, and connection of the lift station to the City of Ocala's central wastewater collection system. The project could not be scored since non-construction funding (design and master metering costs) is needed prior to construction. A future request to the District and/or the State may be considered for partial construction funding. The site is within the pending Silver Springs BMAP area and the PFA.
	Apopka Golden Gem RCW Extension P2	Water Supply		\$1,227,650	\$620,325			The project involves the extension of a reclaimed water main along Golden Gem Road between Ponkan Road and Kelly Park Road. This project is a continuation of a previous project that received District cost-share funding and the benefits were already realized in the previous phase. Therefore the project could not be scored.
	Deltona Alexander Ave. Water Management Site	Water Supply		NA	\$0			This funding request is for 50% design support (\$379,826) from the Florida Department of Environmental Protection for the Deltona Alexander Avenue Water Management Site (Phase 4B). The project is a multi-year effort and is included in the multi-year springs project plan submitted to the State. Some work already completed, and three additional years of work needed for final completion of this water management site. The project is within the pending BMAP and the PFA for Volusia Blue Springs, and is a listed project in the Volusia Blue Spring Prevention/Recovery Strategy. Completion of this total project is expected to provide up to 12 MGD of alternative water supply at build-out, with an expected benefit of 4 MGD to be provided upon completion of the phase proposed for design funding support at this time.
	Marion County Silver Springs Shores Group 3 Sewer Infrastructure	Water Quality		\$1,454,747	\$1,204,747			The project includes the survey, design, and construction of wastewater infrastructure for 117 parcels, sixty of which are currently developed with single family residences. The project did not include actual hookup to sanitary sewer. Therefore no benefit could be quantified and the project could not be scored.
	San Jose Country Club Intermediate Well Conversion	Water Supply		\$65,835	\$21,726			The project consists of installing two intermediate aquifer system wells and redrilling one surficial aquifer well to an intermediate well to reduce pumping in the Upper Floridan aquifer. This project is a continuation of a previous project that received District cost-share funding and the benefits were already realized in the previous phase. Therefore the project could not be scored.

Attachment: Attachment 1-FY20 DWCS App Ranking Summary (Ranking of Cost-Share project

**Attachment 2**

**Projects Recommended for Consideration of State Springs Funding**

- -Projects above this line (1-7) ranked high enough for consideration of District cost-share funding
- -Projects below this line (11 and 12) could not be scored following the District cost-share program criteria, but are recommended for State springs funding consideration
- -Projects between the green and purple line (8-10) fell just below the recommended funding cutoff for District cost-share funding and also are recommended for State springs funding consideration

Project Rank	Name	Spring	Project Description	TN Reduced (lbs./yr)	Water Made Available (MGD)	Estimated Construction Cost
1	Volusia County Wastewater Infrastructure for Blue Spring	V.Blue	The project includes the decommissioning of the Volusia County Del North wastewater treatment plant, construction of a master lift station and 3 miles of 12" forcemain, and connection to the Volusia County Southwest Regional Water Reclamation Facility for advanced wastewater treatment (AWT). Both sites are within the Volusia Blue Springs Priority Focus Area (PFA) and the pending Basin Management Action Plan (BMAP) area for Volusia Blue Springs. The estimated water quality benefits are 6,390 lbs./yr total nitrogen (TN) load reduction and 2,065 lbs./yr total phosphorous (TP) load reduction.	6,390		\$5,825,000
2	Marion County Silver Springs Shores Regional Capacity Improvements and Package Plant Removal	Silver	The project consists of improvements to the Silver Springs Shores (SSS) Wastewater Treatment Facility (WWTF) to enhance the nutrient removal capabilities to meet AWT standards and to expand the capacity by 0.5 million gallons per day (MGD) for future package plant and septic-to-sewer connections. The project also includes the construction of infrastructure to connect two package WWTFs and one church septic system to the SSS WWTF. This includes construction of three new lift stations, rebuilding two existing lift stations and installation of three new forcemains. The two package plants will also be decommissioned and demolished. The estimated water quality benefit is 3,532 lbs./yr TN load reduction and a secondary benefit of 0.01 MGD alternative water made available within the Silver Springs PFA and the pending BMAP area.	3,532	0.01	\$10,566,783
3	Marion County US 441 Sewer Forcemain	Silver	The project includes constructing approximately 17,000 feet of forcemain through a commercial corridor connecting the Spruce Creek Golf and Country Club sewer system to the Stonecrest sewer system. This project will move discharges farther from Silver Springs and provide more reclaimed water for irrigation from the Stonecrest WWTF. The estimated water quality benefit is a TN load reduction of approximately 200 lbs./yr total nitrogen, and an AWS benefit of approximately 0.07 MGD. The project is located in the Silver Springs PFA and pending BMAP area.	200	0.07	\$2,409,920
4	Marion County Lake Diamond Reclaimed Water (RCW) Extension	Silver	The project includes the construction of a RCW line from Marion County's existing transmission main on Midway Road to the stormwater ponds within the Lake Diamond Golf and Country Club near the City of Ocala for use as an irrigation source to offset groundwater withdrawals. The project is within the Silver Springs PFA. The project will result in an AWS benefit of approximately 0.21 MGD.		0.21	\$752,000
5	Ocala Lower Floridan Aquifer Supply Wells Phase 2	Silver	The project is included in the Silver Springs Prevention Strategy (approved by the Governing Board April 2017). As a result, Florida Statute (Section 373.805, FS) requires that the District provides at least 25 percent of the total project cost. This is the second phase of a multi-year project. Phase 2 includes the installation of three 150 HP pumps, three motors, and three controllers to operate three 24-inch Lower Floridan aquifer (LFA) wells at Ocala's water treatment plant No. 2. The estimated natural systems benefit to Silver Springs is 0.38 MGD from reduced pumpage in the Upper Floridan aquifer (UFA) within the Silver Springs PFA.		0.38	\$480,000
6	FGUA Mount Plymouth Wastewater Treatment Plant (WWTP) Nutrient Reduction Improvements	Wekiwa/Rock	The project includes a WWTP capacity expansion and treatment upgrade of one treatment train within an existing, two-train package-plant at Mt. Plymouth golf course. Redevelopment of the existing golf course will require additional wastewater treatment capacity. The estimated water quality benefit is 263 lbs./yr TN load reduction within the pending Wekiva BMAP area.	263		\$1,031,400
7	Marion County Spruce Creek Golf Club Home Owners Association (HOA) RCW System Delivery Improvements	Silver	The County's RCW system improvements for this project includes construction of a hydropneumatic tank, piping, and addition of a screening mechanism to reduce particulates in the RCW. This project will improve and increase delivery of reclaimed water to the HOA to reduce potable water irrigation. The estimated increased AWS benefit is 0.08 MGD within the Silver Springs springshed.		0.08	\$250,000

Attachment: Attachment 2-Recom State FY20 Springs Funding (Ranking of Cost-Share project

**Attachment 2**

**Projects Recommended for Consideration of State Springs Funding**

- -Projects above this line (1-7) ranked high enough for consideration of District cost-share funding
- -Projects below this line (11 and 12) could not be scored following the District cost-share program criteria, but are recommended for State springs funding consideration
- -Projects between the green and purple line (8-10) fell just below the recommended funding cutoff for District cost-share funding and also are recommended for State springs funding consideration

Project Rank	Name	Spring	Project Description	TN Reduced (lbs./yr)	Water Made Available (MGD)	Estimated Construction Cost
8	Marion County Orange Blossom Hills Lower Floridan Aquifer Well	Silver	The wellfield optimization project includes the construction of one LFA well. Upon completion, approximately 2.4 MGD of UFA pumping will be shifted to the LFA, thereby reducing impacts to Silver Springs.		2.38	\$2,060,000
9	Marion County Water Use Efficiency Plan	Silver	The County's water conservation program includes toilet rebates, water conservation kits (shower head, faucet aerators, hose nozzle, toilet leak detector tabs, toilet flapper valve), and irrigation system retrofits. The estimated water conservation benefit is 0.01 MGD water conserved.		0.01	\$39,000
10	Deland Spring Hill Septic to Sewer Conversion	V.Blue	The project includes construction of approximately 8,000 feet of gravity sewer, a sewage lift station, decommissioning 180 septic tanks, and connecting the properties to sanitary sewer. The estimated water quality benefit is 1,856 lbs./yr TN load reduction within the pending BMAP area and PFA for Volusia Blue Springs.	1,856		\$2,641,200
11	Equity Lifestyles Spanish Oaks Water Quality Improvements	Silver	This funding request is for 100% design support. The project consists of design and is expected to be followed by demolition of an existing private wastewater package plant, design and construction of a lift station, and connection of the lift station to the City of Ocala's central wastewater collection system. The project could not be scored since non-construction funding (design and master metering costs) is needed prior to construction. A future request to the District and/or the State may be considered for partial construction funding. The site is within the pending Silver Springs BMAP area and the PFA.			NA
12	Deltona Alexander Ave. Water Management Site	V.Blue	This funding request is for 50% design support for the Deltona Alexander Avenue Water Management Site (Phase 4B). The project is a multi-year effort and is included in the multi-year springs project plan submitted to the State. Some work at the site has been completed, and three additional years of work is needed for completion of this water management site. The project is within the pending BMAP and the PFA for Volusia Blue Springs and is a listed project in the Volusia Blue Spring Prevention/Recovery Strategy. Completion of this total project is expected to provide up to 12 MGD of alternative water supply at build-out, with an expected benefit of 4MGD to be provided upon completion of the phase proposed for design funding support at this time.			NA
<b>TOTALS:</b>				<b>12,241</b>	<b>3.1</b>	<b>\$26,055,303</b>

Attachment: Attachment 2-Recom State FY20 Springs Funding (Ranking of Cost-Share project



**Attachment 3**

**Multi-Year Springs Projects Recommended for Approval**

Name	Spring	Project Description	Length of Project (years)	Estimated Total Construction Cost <sup>1</sup>	Total Local Government Portion <sup>1</sup>	% Local Government Cost Share	Total State Portion <sup>1</sup>	% State Cost Share	Total District Portion <sup>1</sup>	% District Cost Share
Volusia Blue Wetland Recharge Project	Volusia Blue	The multi-year project is an active borrow pit currently in commercial operation. Acquisition (fee simple) of the site will serve as the initial phase of a multi-phase project to provide water quality treatment and aquifer recharge (up to 4 million gallons per day, or MGD) to benefit Volusia Blue Spring. Recharge sources include stormwater, advanced treated reuse and surface water from the St. Johns River. Volusia Blue Spring is an Outstanding Florida Spring, has an established MFL that is in prevention and has an adopted total maximum daily load. Upon completion, the project benefits will include significant recharge to the spring, mitigation of groundwater pumping impacts, and contributing to satisfying future MFL discharge thresholds. The future operation and management of the constructed project will be the responsibility of the local utility members of the West Volusia Water Suppliers group. The project is within the pending Basin Management Action Plan (BMAP) and the Priority Focus Area (PFA) for Volusia Blue Springs	3	\$10,000,000	\$5,000,000	50%	\$2,500,000	25%	\$2,500,000	25%
Ocala Lower Floridan Aquifer Aquifer Supply Wells Phase 2	Silver	The multi-year project includes the construction of three, 24-inch diameter Lower Floridan aquifer (LFA) production wells, each with an average daily pumping rate of 5 MGD. This non-traditional LFA water supply source will support flow improvements to Silver Springs by replacing current permitted withdrawals from the Upper Floridan aquifer (UFA) that are now located four miles closer to Silver Springs. At buildout, the estimated modeled flow benefit to Silver Springs is nearly 14 cubic feet per second (cfs) which exceeds the 10.3 cfs documented need within the Silver Springs Prevention Strategy. This flow benefit equates to approximately 9 MGD. Also, based on the results of the aquifer performance test performed on the LFA test well at the project site, a competent confining unit exists between the UFA and LFA (preventing the exchange of groundwater between the two aquifers) and each well can produce water in excess of 5 MGD. The project is within the pending BMAP and the PFA for Silver Springs. Importantly, this multi-year project is listed in the Silver Springs Prevention Strategy and the District is required by statute (Section 373.805, FS) to fund at least 25 percent of the project costs.	5	\$20,480,000	\$10,240,000	50%	\$5,120,000	25%	\$5,120,000	25%
Deltona Alexander Av. Water Management Site	Volusia Blue	The Deltona Alexander Avenue Water Management Site is a multi-year project. Some work at the site has been completed, and three additional years of work is needed to complete construction. Completion of this total project is expected to provide up to 12 MGD of alternative water supply at build-out, with an expected benefit of 4MGD to be provided upon completion of the phase proposed for design funding support at this time (year 1). The project is within the pending BMAP and the PFA for Volusia Blue Springs and is a listed project in the Volusia Blue Spring Prevention/Recovery Strategy.	3	\$14,291,525 <sup>2</sup>	\$7,911,699	55%	\$3,379,826	24%	\$3,000,000	21%

1: Planning level costs. Costs revised annually by the local government as necessary.

2: \$759,652 of this total cost is for design services (year 1).

Attachment: Attachment 3 - Multi-Year Springs (Ranking of Cost-Share project applications for Fiscal