

FY 2015-16 Springs Funding Projects

Spring	Project Name and Description	Water Management District	DEP Springs Funding	Local match	WMD match	FY2016 Total
Homosassa Springs	Garcia Point Septic Project: Through the connection of 88 residential septic systems to Citrus County’s central wastewater collection system, this project will improve water quality within the Homosassa Springs springshed by reducing nonpoint source nutrient loads. The project will be a continuation of efforts to provide wastewater service to residential and commercial development adjacent to the Homosassa River. This project will result in an estimated TN reduction of 2,174 lb/yr.	SWFWMD	\$950,000	\$300,000		\$1,250,000
Kings Bay	Citrus County Private Package Plant Interconnection Project: This project will connect several private wastewater package plants to Citrus County’s central wastewater collection system. The project will reduce nutrient loading to the Crystal River/Kings Bay and Homosassa Springs springsheds and will also increase the availability of reclaimed water for potential reuse or aquifer recharge. This project will result in an estimated TN reduction of 2,140 lb/yr.	SWFWMD	\$2,000,000	<i>*Duke Energy project; \$6.21 million</i>		\$2,000,000
Kings Bay	Fort Island Trail Septic Interconnection Project: This project will extend Citrus County’s wastewater collection system and eliminate approximately 250 septic systems This project will reduce nutrient loading to the Crystal River/Kings Bay springshed and will also increase the availability of reclaimed water for potential reuse or aquifer recharge. This project will result in an estimated TN reduction of 5,200 lb/yr.	SWFWMD	\$2,200,000	\$750,000		\$2,950,000
Rainbow Springs	Infrastructure Development: The construction of a new wastewater collection system will reduce existing and future wastewater discharges into the Rainbow Springs springshed. This project benefits Rainbow Springs by reducing nutrient loading and supplying reclaimed water for agricultural and other irrigation needs. This project will result in an estimated TN reduction of 2,630 lb/yr.	SWFWMD	\$2,279,183	<i>*Dunnellon project; \$8 million</i>		\$2,279,183

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Weeki Wachee Springs	US19 Reclaimed Water Transmission: This project will construct a reclaimed water main to provide up to 1.7 million gallons of reclaimed water per day to the Timber Pines Subdivision and Golf Course for irrigation use. The Weeki Wachee Springs springshed will benefit from reduced nutrients and reduced potable water use, and the project will help ensure a long-term sustainable water supply for the area.	SWFWMD	\$6,000,000	\$3,000,000	\$3,000,000	\$12,000,000
Springs of the Wekiva River	Apopka Reclaimed Water Main Extension - Keene Road: This project extends 4,400 linear feet of reclaimed water main to Ocoee-Apopka Road and 3,200 linear feet of pipe on Ocoee-Apopka Road from Keene Road to Parkstone Boulevard. The project will allow homes and common areas within Magnolia Park Estates to connect to reclaimed water. The project will reduce stress on springs of the Wekiva River system and support the implementation of minimum flows and levels (MFLs) by reducing groundwater withdrawals by approximately 6.9 mgd.	SJRWMD	\$268,500	\$537,000	\$268,500	\$1,074,000
Springs of the Wekiva River	Apopka Reclaimed Water Main Extension - Ocoee: This project extends a reclaimed water main by 1,670 linear feet from Ocoee-Apopka Road and Keene Road and along Ocoee-Apopka Road to Alston Bay Boulevard. The project will reduce stress on the springs of the Wekiva River by reducing groundwater withdrawals by approximately 4.3 mgd.	SJRWMD	\$74,250	\$148,500	\$74,250	\$297,000
Springs of the Wekiva River	Apopka Reclaimed Water Main Extension - Schopke Road: This project assists in the distribution of reclaimed water to the city's Northwest storage and recharge facility and future Golden Gem Property Facility. The project includes the installation of 5,000 linear feet of reclaimed water main, providing reclaimed water to 64 residential sites and common areas and reducing groundwater withdrawals by approximately 929,000 gallons per day. Reducing groundwater withdrawals from the Floridan aquifer system in this area reduces stress on Wekiva River springs.	SJRWMD	\$75,000	\$150,000	\$75,000	\$300,000

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Silver Springs	<p>Land Acquisition: The acquisition will contribute to an eight-mile buffer zone where forests “capture” rainwater to recharge the aquifer and augment the flow in Silver Springs. The purchase will protect the headwaters of Halfmile Creek and an unnamed tributary that flow into the Silver and Ocklawaha rivers, which are designated as Outstanding Florida Waters. The tract includes 378 acres of wetlands along these two creeks. Other benefits include reducing nitrate loading into springs and rivers, allowing for hydrologic restoration that will result in water quality improvement, and creating opportunities for water storage. The property provides habitat for the Florida black bear and other wildlife, and links Indian Lake State Forest, Silver Springs State Park, the Cross Florida Greenway and District-managed lands to the Ocala National Forest. This connection increases public opportunities for outdoor recreation.</p>	SJRWMD	\$2,000,000	\$917,000	\$8,700,000	\$11,617,000
Volusia Blue Spring	<p>Volusia County Advanced Wastewater Treatment: This project will decommission the Four Towns wastewater treatment plant and direct wastewater to the county Southwest Regional Water Reclamation Facility, improving the level of treatment with the reduction of 27,000 lbs/year of total nitrogen and 14,000 lb/year of total phosphorus and producing 222,000 gallons per day of reuse in the Blue Spring springshed. The project also allows for the future removal of 5,200 septic tanks, which will result in a further reduction of nutrients in the springshed. The project supports the state’s TMDL and BMAP work for Blue Spring as well as the district-approved Volusia MFL Prevention and Recovery Strategy, which will help meet future water demand and improve the ecological health of the Volusia Blue Spring system.</p>	SJRWMD	\$2,062,500	\$4,125,000	\$2,062,500	\$8,250,000

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Springs of the Wekiva River	Apopka Reclamation Facility: This project will upgrade an existing wastewater treatment plant to increase its capacity from 2.5 million gallons per day (mgd) to 4 mgd and will reduce total nitrogen by 67 percent, or 122,000 pounds annually. The project will help to expand the city's reclaimed water system as a regionally important alternative water supply source, as well as supporting the state's Total Maximum Daily Load (TMDL) and Basin Management Action Plan (BMAP) work in the Wekiva River basin.	SJRWMD	\$1,519,500	\$3,039,000	\$1,519,500	\$6,078,000
Springs of the Wekiva River	Longwood Florida Central Commerce Park Stormwater Pond: This project will improve storage and treatment of storm water and reclaimed water by expanding a pond that will serve as an irrigation source. The project supports the implementation of MFLs in the Wekiva River springshed and will offset groundwater withdrawals by nearly 50,000 gallons per day, which will reduce pressure on the aquifer system from groundwater withdrawals. The project also will divert wastewater currently receiving secondary treatment to an advanced wastewater treatment plant, which will reduce total nitrogen by 3,200 pounds per year and total phosphorus by 830 pounds per year to the Wekiva system.	SJRWMD	\$134,710	\$269,420	\$134,710	\$538,840
Springs of the Wekiva River	Winter Garden Reclaimed and Stormwater Aquifer Recharge: This project includes the construction of stormwater and reclaimed water storage ponds at multiple sites to increase aquifer recharge and provide additional water for reuse irrigation, offsetting groundwater withdrawals by approximately 1.8 mgd and supporting the implementation of MFLs in the Wekiva River basin. Also, the project will reduce pollutant loading in the Wekiva River springshed by nearly 11,000 lbs/year of total nitrogen and 2,000 lb/year of total phosphorus, supporting the Wekiva BMAP and work to address TMDLs.	SJRWMD	\$790,735	\$1,581,470	\$790,735	\$3,162,940

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Convict and Ravine Springs	Convict and Ravine Springs Nutrient Treatment: The project will use interceptor wells to capture high nitrate groundwater. A denitrifying system will be installed at each spring basin that will reduce nutrient loads by an estimated 4,300 pounds annually and return the groundwater at the two locations.	SRWMD	\$600,000		\$30,000	\$630,000
Fanning Springs	Fanning Springs Sewer Expansion Project - Phase III: The project will improve water quality in the Fanning Springs basin. Expanding the city's sewer service will prevent an estimated 4,300 pounds annually of nutrients from entering into the groundwater and discharging into Fanning Springs.	SRWMD	\$2,000,000	\$1,196,400	\$120,000	\$3,316,400
Hornsby Spring	Camp Kulaqua: The Hornsby Spring Water Quality Improvement Project will reduce nutrient loading to Hornsby Spring by nearly 100 pounds annually. This project will remove Camp Kulaqua's on-site wastewater plant and effluent disposal and install a wastewater line that will take the effluent to the city of High Springs wastewater treatment plant.	SRWMD	\$450,000		\$50,000	\$500,000
Ichetucknee Springs	Ichetucknee Trace-Cannon Creek Project: This project is a partnership with DEP, SRWMD and Columbia County that will benefit spring flows and water quality for springs along the Ichetucknee River. This project is estimated to recharge the aquifer from 2.24 to 3.81 million gallons a day that will benefit spring flows and improve water quality by removing approximately 10,000 pounds of nutrients annually.	SRWMD	\$2,250,000	\$750,000	\$30,000	\$3,030,000
Springs of the Santa Fe	GRU Reclaimed Water: This project is a partnership with Shands and Gainesville Regional Utilities to construct a recharge wetland at the new Shands facility that will remove nutrients from both reclaimed water and stormwater and will provide approximately 100,000 gallons per day of recharge to the Floridan Aquifer. This project will benefit springs in the Lower Santa Fe River Basin.	SRWMD	\$150,000	\$960,000		\$1,110,000

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Various	Improved Nutrient Application Practices in Dairy Operations: This project will enable dairy operations to reduce nutrient leaching by an estimated 34,000 pounds annually while saving roughly 320,000 gallons of water per day. This will be accomplished by retrofitting irrigation systems to improve irrigation uniformity and efficiency.	SRWMD	\$2,120,000	\$530,000	\$20,000	\$2,670,000
Various	Tailwater Recovery: This project involves the construction of tailwater recovery ponds to capture leached irrigation and stormwater runoff that will then be reused for irrigation. This project will offset approximately 685,000 gallons per day of existing groundwater use and reduce nutrient loading. This project will result in an estimated TN reduction of 4,100 lb/yr.	SRWMD	\$1,350,000	\$450,000	\$30,000	\$1,830,000
Gainer Spring	Bay County Land Acquisition and Restoration: Fee-simple acquisition and floodplain restoration of approximately 3 acres along Econfina Creek, including 300 feet of floodplain habitat restoration. This acquisition will be part of the district-managed Econfina Water Management Area that helps protect the first-magnitude Gainer Spring, as well as numerous smaller springs.	NWFWMD	\$102,000			\$102,000
Jackson Blue Spring	Land Acquisition: Fee-simple and/or less-than-fee acquisition and protection of approximately 598 agricultural acres within the Jackson Blue groundwater contribution area. Protection of this land will include changes in current center pivot agricultural practices/land use to reduce nutrient loading to Jackson Blue Spring. A second fee-simple acquisition will provide protection of approximately 394 acres adjacent to Jackson Blue Spring. Long-term preservation of property will help reduce nutrient loading in Jackson Blue Spring.	NWFWMD	\$4,786,568			\$4,786,568
Jackson Blue Spring	Agricultural BMP Producer Cost-Share Program: Cost-share funding for agricultural best management practices (BMPs) within the Jackson Blue Spring contribution area to improve water use efficiency and reduce nutrient loading. Funding will assist 32 producers in the Jackson Spring basin, bringing the total producers served up to 65. This project will result in an estimated 10% reduction in TN.	NWFWMD	\$1,000,000	\$333,333		\$1,333,333

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Jackson Blue Spring	Indian Springs Sewer Connection Project: This project will extend central sewer services to the lower Indian Springs subdivision in Jackson County, removing up to 125 homes from septic systems. The project will reduce nitrate levels in Merrit's Mill Pond and Jackson Blue Spring. This project is a partnership between Jackson County and the City of Marianna Wastewater Treatment Plant. This project will result in an estimated TN reduction of 1,861 lb/yr.	NFWWMD	\$1,450,000	\$500,000		\$1,950,000
Wakulla Springs	Woodside Heights Sewer Connection Project: Continuation of a project to connect up to 200 households on septic systems in the Wakulla Springs Contribution Area to the City of Tallahassee's Advanced Wastewater Treatment central sewer system. Phase II includes design and construction to connect up to 150 additional households. This project will result in an estimated TN reduction of 4,485 lb/yr.	NFWWMD	\$1,950,000	\$1,950,000		\$3,900,000
Wakulla Springs	Magnolia Gardens and Wakulla Gardens Sewer Connection Project: Continuation of a major initiative to remove existing septic systems and reduce nutrient loading to Wakulla Springs. This project will connect up to 120 homes in the Magnolia Gardens neighborhood and up to 326 homes in the Wakulla Gardens neighborhood to Wakulla County's central sewer facility. This project will result in an estimated TN reduction of 12,963 lb/yr.	NFWWMD	\$2,365,000	\$3,435,000 <i>*Otter Creek project; \$7.7 million</i>		\$5,800,000
			\$40,927,946	\$24,922,123	\$16,905,195	\$82,755,264
<i>* These associated projects were previously and separately funded, and are therefore not counted in the local match or project total in this table.</i>						