

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Fiscal Year 2026
Cooperative Funding Initiative Applications
Heartland Region



Southwest Florida
Water Management District

Project Name	Project Number	District Funding Requested
PRWC Regional Transmission Southeast Phase 1	Q216	\$76,013,000
PRWC Southeast Wellfield Implementation	Q184	\$110,940,000
Brackish - Polk Regional Water Cooperative West Polk Wellfield	Q308	\$107,052,000
Lake Eva Stormwater Best Management Practices	Q420	\$4,956,351
Water Resource Facility at Pollard Road	Q423	\$11,125,000
Bradco Farms Managed Aquifer Recharge / ASR Wellfield (A Sapphire Necklace Project)	Q432	\$11,500,000
North Winter Haven Aquifer Recharge Project	Q433	\$1,500,000
DPR Mobile Pilot	Q434	\$1,075,000
Storm Water Reclamation	Q435	\$2,300,000
Overall Total		\$326,461,351

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Project Name: PRWC Regional Transmission Southeast Phase 1

Project Number: Q216

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department: Polk Regional Water Cooperative

Address: 601 S. Lake Destiny Drive, Suite 290 **Phone #:** 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past seven years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows: 1. Southeast Wellfield (N905) - included conceptual and preliminary design 2. West Polk Lower Floridan Aquifer (N882) - included conceptual and preliminary design 3. Peace Creek Integrated Water Supply Plan (N928) - included preliminary design and integrated water supply plan 4. Peace River and Land Use Transitions (Q133) - included conceptual planning and water supply availability. PRWC has ratified Implementation Agreements for the Southeast Wellfield Project and the West Polk Lower Floridan Wellfield, which include design and construction based on the preliminary design performed in Phase 1. The PRWC has identified the final design and construction phasing for these projects and is requesting continued funding assistance in support of the construction of the SE project. The SE project is located in the southeast portion of Polk County, located east of Lake Wales. The PRWC has obtained a Water Use Permit (WUP 53-00293-W) from the SFWMD for a groundwater withdrawal of 37.5 MGD. This permit would support a master planned finished water capacity of 30 MGD. The PRWC has nearly completed design for the SE project and includes a 7.5 MGD reverse osmosis water production facility (WPF) and transmission system to PRWC member utilities with a buildout capacity of 12.5 MGD. This funding application includes the development of the finished water regional transmission system to PRWC participating members. This project was approved for final design and construction CFI funding starting in FY 2022. Additional funding requested under this application would build

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upon the previous funding efforts (Q216). The project will result in the delivery of up to 12.5 MGD of finished water from an alternative water supply from the SE Water Production Facility (SE WPF) to participating project members. The SE Wellfield (WPF) Implementation will be developed as a companion project (Q184).

Benefit:

Water obtained from this alternative supply project will be used by PRWC project partners to reduce stress on the upper Floridan aquifer (UFA). The project will improve surface waters and wetlands currently impacted by withdrawals from the UFA. The project was also identified within the CFWI 2020 regional water supply plan as a potential future water supply solution.

Cost:

The projected costs for the PRWC Regional Transmission Southeast project are outlined below. These costs represent design, engineering, administration, CMAR services, construction, construction engineering, and post-construction services. Costs for the first phase of the project have been apportioned into FY 2022 through FY 2026. These costs represent the total eligible costs to be cooperatively funded by the District. This excludes land and legal fees/financial services. It is anticipated that the District would provide funding for 50% of the costs presented below, except as noted as "third-party funding". As this project moves forward, subsequent CFI applications will be provided through the same funding agreement. It is noted that as a result of the current market and the time it takes to implement a large project of this nature, that costs for this project are projected to increase or escalate. The PRWC is pursuing other grant funding opportunities to offset these cost increases in accordance with District policy for the CFI program.

FY 2022 (SWFWMD and PRWC) - \$4,950,000

FY 2022 (Third-Party Funding) - \$4,950,000

FY 2023 - \$6,876,974

FY 2024 - \$18,600,000

FY 2025 - \$61,209,693

FY 2026 - \$60,389,333

Future Costs - \$0

Total - \$156,976,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	15,213,487	30,604,846	30,194,667	0	76,013,000
District Share	15,213,487	30,604,846	30,194,667	0	76,013,000

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FDEP	4,950,000	0	0	0	4,950,000
Total	35,376,974	61,209,692	60,389,334	0	156,976,000

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design and Permitting	4/26/2024
Bidding	9/22/2025
Construction	6/22/2028

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: PRWC Southeast Wellfield Implementation

Project Number: Q184

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department: Polk Regional Water Cooperative

Address: 601 S. Lake Destiny Drive, Suite 290 **Phone #:** 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past four years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows: 1. Southeast Wellfield (N905) - included conceptual and preliminary design 2. West Polk Lower Floridan Aquifer (N882) - included conceptual and preliminary design 3. Peace Creek Integrated Water Supply Plan (N928) - included preliminary design and integrated water supply plan 4. Peace River and Land Use Transitions (Q133) - included conceptual planning and water supply availability. PRWC has ratified Implementation Agreements for the Southeast Wellfield Project and the West Polk Lower Floridan Wellfield, which include design and construction based on the preliminary design performed in Phase 1. The PRWC has identified the final design and construction phasing for these projects and is requesting continued funding assistance in support of the development of the SE Wellfield Water Production Facility (SE WPF). The SE WPF will be located in the southeast portion of Polk County, located east of Lake Wales. The PRWC has obtained a Water Use Permit (WUP 53-00293-W) from the SFWMD for a groundwater withdrawal of 37.5 MGD. This permit would support a master planned finished water capacity of 30 MGD. This funding application includes the development of a water production facility with a capacity of 15.0 MGD to be expanded in three phases with an initial phased capacity of 7.5 MGD. The PRWC has nearly completed the design for the SE project. The SE preliminary design includes a 7.5 MGD reverse osmosis water production facility (WPF) and transmission system (funded separately) to PRWC member utilities with a buildout capacity of 12.5 MGD. This project was

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approved for final design and construction CFI funding starting in FY 2022. Additional funding requested under this application would build upon the previous funding efforts (Q184). This project is currently in 90% design. This funding request includes the completion of final design and the construction of the Southeast Wellfield WPF, wellfield and raw water transmission main to the WPF, and concentrate disposal well(s) for FY 2025. The project will provide alternative water supply for participating members of the PRWC, which will be delivered by a regional finished water transmission system as a companion project (Q216).

Benefit:

Water obtained from this alternative supply project will be used by PRWC project partners to reduce stress on the upper Floridan aquifer (UFA). The project will improve surface waters and wetlands currently impacted by withdrawals from the UFA. The project was also identified within the CFWI 2020 regional water supply plan as a potential future water supply solution.

Cost:

The projected costs for the SE Wellfield (WPF) Implementation project are outlined below. These costs represent design, engineering, administration, CMAR services, construction, construction engineering, post-construction services, future planning and future phase costs. Costs for the first phase of the project have been apportioned into FY 2022 through FY 2026. These costs include the initial phase expansion to 7.5 MGD. Costs for the remaining phases of the project through buildout have been apportioned as "Future Costs". These costs represent the total eligible costs to be cooperatively funded by the District. This excludes land, legal fees/financial services, and exploratory Test Production Well #3 costs. It is anticipated that the District would provide funding for 50% of the costs presented below, except as noted as "third-party funding". As this project moves forward, subsequent CFI applications will be provided through the same funding agreement. It is noted that as a result of the current market and the time it takes to implement a large project of this nature, that costs for this project are projected to increase or escalate. The PRWC is pursuing other grant funding opportunities to offset these cost increases in accordance with District policy for the CFI program.

FY 2022 (SWFWMD and PRWC) - \$6,750,000

FY 2022 (Third-Party Funding) - \$6,750,000

FY 2023 - \$4,719,974

FY 2024 - \$18,200,000

FY 2025 - \$72,667,063

FY 2026 - \$76,209,630

Future Costs - \$43,333,333

Total - \$228,630,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

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Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	14,834,987	36,333,532	38,104,815	21,666,666	110,940,000
District Share	14,834,987	36,333,532	38,104,815	21,666,666	110,940,000
FDEP	6,750,000	0	0	0	6,750,000
Total	36,419,974	72,667,064	76,209,630	43,333,332	228,630,000

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design and Permitting	8/26/2024
Bidding	10/03/2024
Construction	5/18/2028
Project Buildout	9/30/2040
Implementation Budget	

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FY 2026 Cooperative Funding Initiative Application Form

Project Name: Brackish - Polk Regional Water Cooperative West Polk Wellfield

Project Number: Q308

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department: Polk Regional Water Cooperative

Address: 601 S. Lake Destiny Drive, Suite 290 **Phone #:** 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past four years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows: 1. Southeast Wellfield (N905) - included conceptual and preliminary design 2. West Polk Lower Floridan Aquifer (N882) - included conceptual and preliminary design 3. Peace Creek Integrated Water Supply Plan (N928) - included preliminary design and integrated water supply plan 4. Peace River and Land Use Transitions (Q133) - included conceptual planning and water supply availability. PRWC has ratified Implementation Agreements for the Southeast Wellfield Project and the West Polk Lower Floridan Wellfield, which include design and construction based on the preliminary design performed in Phase 1. The PRWC has identified the final design and construction phasing for these projects and is requesting continued funding assistance in support of the final design and construction of the WP project. The WP project is located west of Lake Parker in northwest Polk County. The PRWC has submitted a Water Use Permit application to the Southwest Florida Water Management District (SWFWMD) for a groundwater withdrawal of 20 MGD for the project. This permit would support a finished water supply of 10 MGD initially, with an ultimate water supply production of 15 MGD. The 10 MGD water production facility is planned to be expanded in three phases, beginning with the 2.5 MGD initial phase, and a master planned potential expansion of 15 MGD. The PRWC has completed the conceptual design and preliminary design for the WP project. The preliminary design for this project was approved for CFI funding for FY 2021. The WP preliminary design includes a 2.5 MGD reverse

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osmosis water production facility and transmission system to PRWC member utilities with a buildout capacity of 10 MGD. The WP WPF will send treated water to Lakeland's TB Williams Water Treatment Plant for chemical post-treatment and finished water distribution. Therefore, the majority of PRWC members participating in the WP project will receive water to their systems through Lakeland's existing distribution system. This allows the transmission main facilities for this project to be significantly reduced, with only minor piping additions needed. Additional funding requested under this application would build upon the previous funding efforts (N882), starting with the final design of the WP project. The project includes construction of a water production facility (WPF), wellfield and raw water transmission main to the WTP, concentrate disposal well(s), and finished water transmission mains.

Benefit:

Water obtained from this alternative supply project will be used by PRWC project partners to reduce stress on the upper Floridan aquifer (UFA). The project will improve surface waters and wetlands currently impacted by withdrawals from the UFA. The project was also identified within the CFWI 2020 regional water supply plan as a potential future water supply solution.

Cost:

The projected costs for the final design and construction of the PRWC West Polk Wellfield project are outlined below. These costs represent design, engineering, administration, CMAR services, construction, construction engineering, post-construction services, future planning and future phase costs. Costs for the first phase of the project have been apportioned into FY 2022 through FY 2028. Costs for the remaining phases of the project through buildout have been apportioned as "Future Costs". These costs represent the total eligible costs to be cooperatively funded by the District. This excludes land, legal fees/financial services, and exploratory Test Production Well #2 costs. It is anticipated that the District would provide funding for 50% of the costs presented below. As this project moves forward, subsequent CFI applications will be provided through the same funding agreement. It is noted that as a result of the current market and the time it takes to implement a large project of this nature, that costs for this project are projected to increase or escalate. The PRWC is pursuing other grant funding opportunities to offset these cost increases in accordance with District policy for the CFI program.

FY 2023 - \$2,128,616

FY 2024 - \$22,600,000

FY 2025 - \$31,964,284

FY 2026 - \$31,093,550

FY 2027 - \$31,093,550

Future Costs - \$95,224,000

Total - \$214,104,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs

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along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	12,364,308	15,982,142	15,546,775	63,158,775	107,052,000
District Share	12,364,308	15,982,142	15,546,775	63,158,775	107,052,000
Total	24,728,616	31,964,284	45,741,442	111,669,658	214,104,000

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Planning	4/01/2026
Bidding	9/04/2028
Design	1/01/2029
Permitting	1/01/2029
Construction	10/31/2031

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Lake Eva Stormwater Best Management Practices

Project Number: Q420

Cooperator: Haines City

Contact Person: Nelson Vega

Department: Haines City

Address: 620 E Main Street

Phone #: 8634213328

City State Zip: Haines City, FL 33844

Ext:

Email: nelson.vega@hainescity.com

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

Currently, stormwater runoff that is generated within the Lake Eva Community Park drains into two drainage basins.

Benefit:

Stormwater BMP retrofits A1 to A5 will provide treatment for all of the primary storm sewer outfalls including 392 acres of the 450 developed acres draining to Lake Eva. Additional above ground and subsurface storage in pipes and surrounding engineered media will provide a total of 9 ac-ft of treatment volume. Approximately 0.25 inches of additional treatment volume will be provided from the total developed contributing drainage area of 450 acres. This does not consider the additional benefit provided by infiltration during the storm event in the highly permeable sandy soils.

The three proposed gross pollutant removal structures will also provide additional nutrient load reduction by capturing trash, organic debris, and sediment. Pollutant removal efficiency for infiltration BMPs is a function of the runoff volume retained and the total average annual runoff volume. Based on retaining a 0.25 inches runoff for this specific contributing watershed area, 70 percent pollutant/nutrient removal efficiency is predicted. Contributing watershed characteristics that factor into the percent reduction include: 11 percent directly connected impervious area (DCIA), a non-DCIA curve number of 61, and located in Zone 2.

The resulting proposed Lake Eva stormwater pollutant load reductions are as follows: Total Nitrogen (TN) will have a load reduction of approximately 1,460 lb/yr; Total Phosphorous (TP) will have a load reduction of approximately 220 lb/yr; Total Suspended Solids (TSS) will have a load reduction of approximately 76,000 lb/yr. Although the FDEP report predicts 70 percent removal efficiency, because of the location of some of the BMPs in close proximity to Lake Eva, actual load reductions may be somewhat less. Regardless, retention of the first 0.25 inch runoff from the urban watershed, in conjunction with the gross pollutant removal structures, is expected to produce measurable load reductions and water quality improvement.

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Cost:

Since the initial design and cost estimates were completed in 2020, a new tentative estimate has been completed. The Third-Party Review, which was performed at the 30% design phase, identified a few components that were missing from the initial cost estimate. These components have also been included in the newer estimate, but these numbers may be subject to change slightly as the design is not yet complete. The current cost of all five BMPs is estimated at \$9,912,701.73 In order to determine the cost benefit, this new amount was calculated against the estimated 1,406 lbs/yr of TN removed. With these numbers, the cost per pound of TN removed is approximately \$339.48

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Haines City has multiple ordinances and regulations in place that perform complementary water conservation efforts. These ordinances are intended to protect the City's water resources and the local water supply from inefficient use and overutilization, as well as to support the WMD in it's effort to conserve water year-round and during water shortages.

These ordinances and guidelines include: -Lawn watering schedules in order to conserve and regulate water usage -Car washing and pressure washing efficiency ordinances -A per capita daily water use of 153 gpd -Specific regulations to be implemented during a water shortage or emergency water shortage Additionally, the City has identified flooding zones and is performing flood resistant development.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	2,478,175	2,478,176	0	4,956,351
District Share	0	2,478,175	2,478,176	0	4,956,351
Total	0	4,956,350	4,956,352	0	9,912,702

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Construction completion 12/31/2027

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FY 2026 Cooperative Funding Initiative Application Form

Project Name: Water Resource Facility at Pollard Road

Project Number: Q423

Cooperator: Winter Haven

Contact Person: Mark Bombard

Department: Winter Haven

Address: 401 6th Street, SW

Phone #: 8632985351

City State Zip: Winter Haven, FL 33880

Ext: 3110

Email: mbombard@mywinterhaven.com

Project Type:

Water Quality Water Supply

Strategic Initiatives:

Water Quality Maintenance and Improvement Reclaimed Water

Project Description/Benefit/Cost

Description:

The Water Resource Facility at Pollard Road is the focal point of an aggressive One Water initiative

Benefit:

Project will produce AWT reclaimed water that will help to reduce nutrients and pollution in the Peace River Basin. Integration with future AWS programming will help meet the growing demand for potable water, reducing stress on the Floridan Aquifer. Sustainably managing the water supply using a comprehensive “One Water” approach is vital to a community that relies on healthy waters for industry, business, and tourism. Each of the projects within the One Water Master Plan and Sapphire Necklace, of which the WRF is the flagship project, provides local and regional benefits in many forms. Modernizing the City’s water production and wastewater treatment infrastructure and integrating natural solutions will contribute to the City’s economic prosperity. Additional benefits include recreation (e.g., kayaking, canoeing, walking trails), community health and wellness, the creation of additional wildlife habitat, improved land values, healthier lakes, and natural scenic beauty. The Project will also provide flood protection for the Peace River Basin watershed. Furthermore, the WRF will allow for the implementation of more septic-to-sewer conversion projects, resulting in a decrease of nutrients in the local lakes.

The WRF will have a minimum capacity of 9.0 MGD. The existing plant has a 7.5 MGD capacity. The delta in treatment capacity is 1.5 MGD. For nutrient reduction, 1.5 MGD is the value utilized to determine the nutrient reduction for this project. Typical influent loading is 42 mg/l for nitrogen and 10 mg/l for phosphorus. The plant will treat the wastewater according to AWT standards, or 3 mg/l of nitrogen and 1 mg/l of phosphorus. A reduction of 182,500 lbs/yr of nitrogen and a reduction of 43,452 lbs/yr of phosphorus is the anticipated water quality benefits. The cost effectiveness results in \$1,122.36 per pound of nitrogen per year and \$4,863.56 per pound of phosphorus per year. The value of nutrient reduction was determined by taking in raw influent and treating it to AWT standards using the FDEP attenuation factor of 0.049, meaning these nutrient calculations assume 95.1% of nutrients will be removed during the treatment process.

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Cost:

Total estimated cost: \$181,000,000

Fiscal Year 2025 budget: \$3,000,000

Capital Improvement 5 year plan attached

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The Water Resource Facility at completion will include an Education Center, Direct Potable Recharge, Storm Water Harvesting and Reclamation, Aquifer Recharge, and work in conjunction with the adjacent Water Production/Polk Regional Water Cooperative receiving Facility.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	100,000	3,000,000	26,250,000	107,250,000	136,600,000
District Share	0	0	2,187,500	8,937,500	11,125,000
FDEP Grant	0	0	6,562,500	26,812,500	33,375,000
Total	100,000	3,000,000	35,000,000	143,000,000	181,100,000

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Water Production Facility 6/30/2025
Facility Plan

Design and Permitting 1/31/2026

Construction 9/30/2029

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Bradco Farms Managed Aquifer Recharge / ASR Wellfield (A Sapphire Necklace Project)

Project Number: Q432

Cooperator: Winter Haven

Contact Person: Mark Bombard

Department: Winter Haven

Address: 401 6th Street, SW

Phone #: 9632985351

City State Zip: Winter Haven, FL 33880

Ext:

Email: mbombard@mywintrehaven.com

Project Type:

Natural Systems Flood Protection Water Supply Water Quality

Strategic Initiatives:

Natural Systems Conservation and Restoration Emergency Flood Response Alternative Water Supply
Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The Bradco Farms Managed Aquifer Recharge (MAR) and/or Aquifer Storage and Recovery (ASR) Wellfield project plays an important role in this overall plan as the wellfield allows for storage of reclaimed water and aquifer recharge. Both goals are congruent with the water resource benefits targeted in the Sapphire Necklace concept. The storage attributed to the aquifer also eliminates the need for above ground storage, which usually requires expansive tracts of land, and furthers the mission of integrating water infrastructure and public amenities. The project anticipates a minimum of 1.5 MGD of recharge and/or storage.

The City's One Water Master Plan outlines the sites needed to realize the Sapphire Necklace restoration concept, ranking them based on potential surface water storage volumes, wetland restoration / enhancement acreage, and Upper Floridan Aquifer recharge potential, along with site readiness. This site is designated as a priority Group 1 site due to its provision of flood protection, habitat creation, water quality improvements, and public recreational amenities.

The 370 acre project is located on the Bradco Farm property owned by the City. This property has been chosen as the site of a wetland restoration project funded through the Resilient Florida Program, which includes the construction of MAR / ASR Wellfield. The Bradco Farms MAR / ASR Wellfield is a stand-alone project being funded and designed in conjunction with the Bradco Farm Wetland Restoration project. This Project will construct the lift station at the Water Resource Facility, a force main to the Bradco Farm site, and the tertiary treatment at the site for discharge and use of the MAR / ASR Wellfield.

Benefit:

The managed aquifer recharge (MAR) and/or the aquifer storage and recovery (ASR) wellfield will improve Winter Haven's water supply by storing reclaimed water and stormwater, recharging the Floridan Aquifer, and improving water quality. This project will supply water to the MAR / ASR wellfield. The system will recharge the aquifer with a minimum of 1.5 MGD of reclaimed water, which will mitigate future UFA withdrawals. By integrating reclaimed water into the City's public water supply (typically during wet seasons), the project

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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ensures a sustainable source of potable water. This reduces dependency on and consumption of traditional groundwater sources. Utilizing the aquifer for storage bypasses the need for large tracts of land dedicated to above ground storage and reduces the potential for downstream flooding during heavy rainfall and storm events. This project aligns with the city's Water Resource Sustainability Plan and the One Water Master Plan by increasing water availability to the City and enhancing natural system protection through the recharge of the surficial aquifer and local lakes. The project supports overall water supply resilience as well as promoting the recycling of reclaimed water.

Cost:

Total estimated cost: \$50,200,000

Fiscal Year 2025 budget: \$8,000,000

Capital Improvement 5 year plan attached

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The "Bradco Farm Nature Park Wetland Restoration" site will be adjacent to the Water Resource Facility at Winter Havens Water Department Administration Complex, the park will include interconnected and internal trail system, educational opportunities and habitation of native species.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	10,200,000	3,625,000	5,125,000	10,000,000	28,950,000
District Share	0	0	1,500,000	10,000,000	11,500,000
outside funding	0	4,375,000	5,375,000	0	9,750,000
outside funding	0	4,375,000	5,375,000	0	9,750,000
Total	10,200,000	12,375,000	6,625,000	20,000,000	59,950,000

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

AR/ASR injection well construction 6/30/2026

Wetland creation, flood protection 6/30/2029

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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Project Name: North Winter Haven Aquifer Recharge Project

Project Number: Q433

Cooperator: Winter Haven

Contact Person: Mark Bombard

Department: Winter Haven

Address: 401 6th Street, SW

Phone #: 8632985351

City State Zip: Winter Haven, FL 33880

Ext:

Email: mbombard@mywintrehaven.com

Project Type:

Water Supply

Strategic Initiatives:

Regional Water Supply Planning

Project Description/Benefit/Cost

Description:

The Northern Winter Haven Aquifer Recharge Feasibility Evaluation is a site-specific feasibility investigation to estimate the anticipated recharge capacity for the area around the City's Rolling Hills Cemetery and the NW area of Lake Lucerne. The purpose of this Project is to perform site-specific field geotechnical investigations and ground water flow modeling to estimate the potential sustainable land application recharge capacity for reuse water that could be achieved. Recharge of the Upper Floridan Aquifer that may be achieved from such projects would aim to improve groundwater levels in the watershed, improve lake levels for the Northern Winter Haven Chain of Lakes, and potentially generate a water supply benefit for the City and possibly other regional users.

Benefit:

Aquifer recharge of reuse water is a proven method to enhance aquifer levels in hydrologically stressed regions. Recharging the aquifer in this location would benefit a 9 county region that relies on the Upper Floridan Aquifer as well as bolstering lake levels and river flows in the Southern Water Use Caution Area.

Cost:

Total estimated cost: \$3,200,000

Fiscal Year 2025 budget: \$100,000

Capital Improvement Plan attached

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Aquifer recharge of reuse water is a proven method to enhance aquifer levels in hydrologically stressed regions. Recharging the aquifer in this location would benefit a 9 county region that relies on the Upper Floridan Aquifer as well as bolstering lake levels and river flows in the Southern Water Use Caution Area.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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Applicant Share	0	100,000	600,000	1,000,000	1,700,000
District Share	0	0	500,000	1,000,000	1,500,000
Total	0	100,000	1,100,000	2,000,000	3,200,000

Matching Fund Reduction

☐

Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design, permitting	9/30/2025
Construction	9/30/2026

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: DPR Mobile Pilot

Project Number: Q434

Cooperator: Winter Haven

Contact Person: Mark Bombard

Department: Winter Haven

Address: 401 6th Street, SW

Phone #: 8632985351

City State Zip: Winter Haven, FL 33880

Ext:

Email: mbombard@mywintrehaven.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

Winter Haven is seeking funding for the One Water DPR Mobile Demonstration Unit (Project). The City plans to purchase a mobile DPR treatment system that will be a public education and a bench-scale testing tool. The unit will be used to challenge-test the developing DPR regulations and allow the City to conduct long-term bench-scale testing of source water from the new Water Resource Facility (WRF) when it becomes available, validate the treatment train, and confirm waste stream disposal options. The mobile unit will provide valuable information on the system performance, design data, and is intended to aid in the permitting of the full-scale system. The challenge testing at bench-scale can evaluate and validate multiple treatment alternatives for final selection.

The branded mobile unit will be taken by Winter Haven Water operators to water festivals, schools, and community events and loaned to other utilities to educate the public on the need for DPR and the efficacy of the technology involved. The City will use it to promote goodwill toward DPR in Central Florida and as a bench-scale unit. Once the new WRF is complete, the mobile unit will provide one to two years of continuous testing on site and will provide valuable information on expected influent constituents, trends, and performance that can be used to improve public perception and provide design data for the full-scale facility.

A DPR Feasibility Study is funded by the Water Management District through the Q200 grant agreement. The completed study has indicated that DPR is an essential component to future water supplies.

Benefit:

DPR is a critical element for meeting future demands, reduce dependence on stressed water resources, help restore natural systems, and reduce reliance on the Upper Floridan Aquifer. DPR could provide natural system restoration by reducing the nutrient loading to surface and groundwaters. By working with stakeholders such as the Polk Regional Water Cooperative (PRWC), Southwest Florida Water Management District (SWFWMD), and others, DPR will help to improve a regional water supply issue.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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Cost:

Total estimated cost: \$2,150,000

Fiscal Year 2025 budget: \$50,000

Capital Improvement Plan attached

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Once the One Water DPR Mobile Unit pilot is completed by the City of Winter Haven the unit will be available to less advantaged communities seeking to begin a DPR pilot testing project.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	250,000	800,000	1,050,000
District Share	0	0	250,000	800,000	1,050,000
Total	0	0	500,000	1,600,000	2,100,000

Matching Fund Reduction

☐

Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design, permitting
construction of mobile
unit

6/30/2029

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Storm Water Reclamation

Project Number: Q435

Cooperator: Winter Haven

Contact Person: Mark Bombard

Department: Winter Haven

Address: 401 6th Street, SW

Phone #: 8632985351

City State Zip: Winter Haven, FL 33880

Ext:

Email: mbombard@mywintrehaven.com

Project Type:

Flood Protection Water Supply

Strategic Initiatives:

Emergency Flood Response Alternative Water Supply Reclaimed Water

Project Description/Benefit/Cost

Description:

The City of Winter Haven is developing a facility that will include storm water capture and treatment for future reclaimed water usage. The location of this facility will be located in the area of the City's Wastewater Treatment Facility #3. The purpose of the Logistics Parkway Stormwater Reclamation Project would be to capture storm water from the industrial development, as well as the Pollard Road Extension Project occurring along the western side Logistics Parkway and sending it to the facility. The storm water is anticipated to be captured and harvested in a integrated approach to storm water management. The overall facility is anticipated to include a new wastewater treatment facility, a new water treatment facility, receiving station for alternative water supplies from the PRWC, potable reuse project, aquifer recharge wells, wetland restoration storage areas as well as the storm water harvesting and treatment for future reclaimed water usage. This project is driven by the extraordinary growth of industrial uses adjacent to the current City's Wastewater Treatment Facility #3 that can accommodate for the impervious area needed to capture large volumes of storm water.

Benefit:

Storm water harvesting in strategic locations initially reduces flooding and improves water quality. After harvesting it promotes aquifer recharge, improving groundwater sources that feed the lakes, wetlands and other natural systems in the area. Additionally, reclaimed water can be added to storm water to supplement recharge.

Cost:

Total estimated cost: \$4,600,000

Fiscal Year 2025 budget: \$150,000

Capital Improvement Plan attached

Describe your complementary efforts in developing, implementing and enforcing water conservation, water

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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quality and flood protection ordinances.

The storm water harvesting along the industrial Logistics Parkway will reduce potential flooding by providing regional storm water collection ponds. The regional ponds will allow potential industries to develop the sites with a smaller footprint and construction costs for storm water facilities which will provide growth for the area.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	150,000	150,000	2,050,000	2,350,000
District Share	0	0	200,000	2,050,000	2,250,000
Total	0	150,000	350,000	4,100,000	4,600,000

Matching Fund Reduction

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Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design and permitting	3/31/2026
Design and permitting	3/31/2026
Construction	3/31/2028
Construction	3/31/2028

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs, services and activities. Anyone requiring reasonable accommodation, or who would like information as to the existence and location of accessible services, activities, and facilities, as provided for in the Americans with Disabilities Act, should contact the Human Resources Office Chief, at 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4747; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-9558770 (Voice). If requested, appropriate auxiliary aids and services will be provided at any public meeting, forum, or event of the District. In the event of a complaint, please follow the grievance procedure located at WaterMatters.org/ADA