



**AGENDA
POLK REGIONAL WATER COOPERATIVE**

November 17, 2021 – 2:00 PM
Nora Mayo Hall
500 3rd Street NW
Winter Haven, FL 33881

ZOOM Virtual Meeting
<https://us02web.zoom.us/j/86914840689?pwd=N2VHMGEvWjdqbEduR0FlanYzdSt2UT09>
Call In: +1 (646)558-8656
Meeting ID: 869 1484 0689
Password: 085196

- A. Call to Order
- B. Recognition of new primary/alternate appointees of members
- C. Agenda Revisions
- D. Public Comments
- E. Consent Items
 - 1. Board of Directors Meeting Minutes
 - 2. Polk Regional Water Cooperative Meeting Schedule 2022
- F. Regular BOD Items
 - 3. Heartland Headwaters Protection & Sustainability Act Report- FY 2022-2023 (ACTION ITEM)

RECESS REGULAR BOD/COMMENCE PROJECTS BOD:

- G. Combined Projects BOD
 - 4. Resolution No. 2021-04 - Amended TEC and Cost Share Table in the Combined Projects Implementation Agreement (ACTION ITEM)
 - 5. Southeast Wellfield - Test Production Well #3 - Well Driller Procurement (ACTION ITEM)
 - 6. Financing and Revenue Review (INFORMATION ITEM)

RECESS PROJECTS BOD/COMMENCE REGULAR BOD:

- H. Open Discussion
- I. Chair / Executive Director Report
- J. Adjournment

In accordance with the American with Disabilities Act, persons with disabilities needing special accommodations to participate in this proceeding should contact the Polk County Communications Office not later than forty eight hours prior to the proceeding. Their offices are located in the Neil Combee Administration Building, 330 West Church Street in Bartow. Telephone (863) 534-6090, TDD (863) 534-7777 or 1-800-955-8771, Voice Impaired 1-800-955-8770 via Florida Relay Service.

If a person decides to appeal any decision made by the board with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

November 17, 2021 Polk Regional Water Cooperative Regular Meeting
Agenda Item #1

SUBJECT

Board of Directors Meeting Minutes

DESCRIPTION

The Board of Directors (BOD) will consider approval of the minutes for:

- Regular PRWC BOD meeting – May 19, 2021
- Regular PRWC BOD meeting – August 4, 2021

RECOMMENDATION

Consent Agenda - Recommend approval of minutes for referenced meeting.

FISCAL IMPACT

N/A



MINUTES POLK REGIONAL WATER COOPERATIVE

May 19, 2021 – 2:00 PM
Nora Mayo Hall
500 3rd Street NW
Winter Haven, FL 33881

ZOOM Virtual Meeting
<https://us02web.zoom.us/j/86893257167?pwd=a2RsUC83cHNubUFhWU1YNjBCTnNLUT09>
Call In: +1 (646) 558-8656
Meeting ID: 868 9325 7167
Password: 912038

Member Governments in Attendance:

Member Government	Representative
City of Auburndale	Mayor Tim Pospichal, Primary
City of Bartow	Commissioner Bill Simpson (arrive 2:27 PM), Primary
City of Davenport	Commissioner Tom Fellows, Primary
City of Dundee	Commissioner Bert Goddard, Primary
City of Eagle Lake	In Absence, Commissioner Randy Billings, Primary
City of Fort Meade	Commissioner James Watts, Primary
City of Frostproof	In Absence, Vice Mayor Austin Gravley, Primary
City of Haines City	Mayor Morris West, Primary
City of Lake Alfred	In Absence, Commissioner Jack Dearmin, Primary
Town of Lake Hamilton	Mayor Mike Kehoe, Primary
City of Lake Wales	Mayor Eugene Fultz, Primary (Chair)
City of Lakeland	Mayor Bill Mutz, Primary (Secretary/Treasurer)
City of Mulberry	In Absence, Commissioner Collins Smith, Primary
City of Polk City	Mayor Joe LaCascia, Primary
Polk County	Commissioner George Lindsey, Primary (Vice Chair)
City of Winter Haven	Mayor Pro-Tem Nathaniel Birdsong, Primary

A. Call to Order

Meeting called to order by Chair Fultz at 2:02 PM.

B. Recognition of new primary/alternate member appointees.

Director Taylor notified the Board that the City of Bartow appointed Commissioner William Simpson to continue as the Primary member on the PRWC Board of Directors and Vice Mayor Steve Githens as the alternate.

The City of Lake Alfred also appointed its new primary member, Vice Mayor Jack Dearmin and alternate member, Commissioner Mac Fuller.

C. Agenda Revisions

No agenda revisions were presented.

D. Public Comments

No public comments were presented.

E. Consent Items

Regular PRWC Board

1. PRWC Preliminary Administration Budget – FY 2022

Director Taylor presented a preliminary administration budget for FY 2022 and the member allocations based on year 2019 water use.

Recess Regular Board of Directors Meeting / Commence Joint Meeting of Southeast Wellfield Projects Board/West Polk Wellfield Projects Board at 2:06 P.M.

2. CMAR & Engineering Services Overview

Mayor Mutz stated under section 2.03 of the charter interlocal agreement that created the PRWC, the West Polk Wellfield Project Board exercises all the powers, privileges, and duties of the Cooperative for purposes of implementation of the West Polk Wellfield Project. As Chair of the Board, Mayor Mutz proposed the Board completely “table” action items 3, 4, & 5 on the agenda as they relate to the West Polk Wellfield Project, and that he intends to call a special meeting of the Board to be conducted in a workshop fashion to review, vote, and discuss on matters covered in these three action items. During this special meeting, the Board should be presented with a detailed report from Team One on all tasks completed and anything related to the implementation of the West Polk Wellfield Project.

Mayor Mutz also indicated that the West Polk Wellfield Project Board will also consider: a review and approval of Holland and Knight as Bond Counsel; a review of the Draft West Polk Wellfield Cooperative Funding Agreement with the Southwest Florida Water Management District; and any other matters that the parties to the implementation agreement wish to discuss. Mayor Mutz further proposes that this special meeting be conducted in workshop fashion to include by invitation the City Managers, Utility Directors, consultants, and legal counsel for the parties.

Mayor Fultz stated the above as a motion and requested a second.

Legal Counsel Ed de la Parte informed the members that Mayor Mutz was referring to the West Polk Project Board, and therefore the second must be from one of the voting members of the West Polk Project Board and the vote would be a weighted vote by that Project Board.

Commissioner Lindsey seconded the motion, and requested a discussion prior to voting. He then asked whether the motion precludes consideration of the Southeast Project items.

Mayor Mutz stated he can only speak for the West Polk Project Board.

Mr. de la Parte stated Mayor Mutz is requesting a vote of the West Polk Project Board on this particular issue.

Mayor Mutz stated that is correct.

Mr. de la Parte stated that if the vote is in favor of this motion, the Southeast Wellfield Project Board has to make a decision to move forward with presentations on these items or to delay these issues to a special meeting. Mr. de la Parte asked for clarification on whether the special meeting included in the motion was only to include the West Polk Project Board or was also open to the Southeast Project Board.

Mayor Mutz stated the meeting would be for the West Polk Project.

Mr. de la Parte stated that the motion is for the West Polk Project to have their own special meeting to consider this, so after this motion is made, then the Southeast Wellfield Project Board needs to decide to go forward with these items or to hold its own special meeting.

Commissioner Lindsey stated the agenda items include 3, 4, and 5 so we are only separating that part of the agenda regarding the West Polk Project only.

Mayor Mutz stated that is correct. He is not recommending that the Southeast Wellfield do the same thing.

Roll Call Vote on the motion.

Auburndale – yes

Bartow – not present

Eagle Lake – not present

Lakeland - yes

Polk City - yes

Winter Haven - no, revised to yes for consensus following remainder of voting

Polk County - yes

Motion approved.

Mr. de la Parte stated the next question is if the Southeast Wellfield Board would like to proceed with items 3, 4, & 5.

Commissioner Lindsey as Chair of the Southeast Wellfield Project Board stated the Board would like to move forward with the presentations.

A joint presentation was then given by Polk County & the City of Lakeland regarding CMAR and Engineering Services for Southeast Wellfield by Tamara Richardson, Polk County Utilities Director and David Bayhan, Assistant Utilities Director for the City of Lakeland.

Ms. Richardson presented a description of the CMAR process.

Mr. Bayhan provided a synopsis of the City's experience using the CMAR process.

Ms. Richardson provided a description of her experience using the CMAR process and reviewed a description of the schedule looking forward.

3. Advertise and Procure one CMAR for both the Southeast Wellfield and West Polk Project - (ACTION ITEM)

Chair Lindsey explained the benefits of the CMAR process in such large projects and in the expertise provided. Mr. Lindsey stated he thought it was wise to advertise each of the projects separately.

Motion to advertise for a CMAR for the Southeast Wellfield Project was made by Mayor Pospichal and seconded by Mayor Pro-Tem Birdsong.

Roll Call

Auburndale - yes
 Bartow - yes
 Dundee - yes
 Lake Alfred – not present
 Lakeland - yes
 Winter Haven - yes
 Polk County - yes

Motion Approved.

Chair Lindsey requested the City of Winter Haven serve to solicit the RFQ for these services subject to approval from staff.

Mayor Pro-Tem Birdsong indicated that the City would be willing to serve in the procurement process subject to approval from City staff.

Motion made for Winter Haven to serve in capacity to solicit RFQs by Mayor Pospichal and Seconded by Mayor Pro-Tem Birdsong.

Roll Call

Auburndale - yes
 Bartow - yes
 Dundee - yes
 Lake Alfred – not present
 Lakeland - yes
 Winter Haven - yes
 Polk County - yes

Motion approved.

4. Advertise and Procure one Engineering Consultant for Southeast Wellfield & West Polk Project (ACTION ITEM)

Chair Lindsey stated that he would entertain a motion for the City of Winter Haven to provide RFQ services for an engineering consultant for the Southeast Wellfield Project.

Motion made for the City of Winter Haven to provide RFQ services for an engineering consultant for the Southeast Wellfield Project by Mayor Pospichal and seconded by Mayor Pro-Tem Birdsong.

Roll Call

Auburndale - yes
 Bartow - yes
 Dundee - yes
 Lake Alfred – not present
 Lakeland - yes
 Winter Haven - yes
 Polk County - yes

Motion passes

Recess Joint Meeting of Southeast Wellfield Projects Board / Commence Combined Projects Phase 1 Project Board at 2:39 P.M.

5. Modify scope of TeamOne Engineering Contract to Continue work on SWFWMD Funding Agreement(s), WIFIA Application, Project Design and Project Permitting for the Southeast Wellfield and West Polk Wellfield Projects - (ACTION ITEM)

Mr. de la Parte clarified that the previous motion removed the West Polk project from consideration on this item. This item would affirm Team One's scope to continue to work on the SWFWMD funding agreements, WIFIA application, project design, and proposed permitting for the Southeast Wellfield as a staff recommendation.

Commissioner Lindsey made a motion to approve, which was seconded by Mayor Pospichal.

Roll Call

Auburndale - yes
 Bartow - yes
 Davenport - yes
 Dundee - yes
 Eagle Lake – not present
 Ft Meade - yes
 Haines City - yes
 Lake Alfred – not present
 Lake Hamilton - yes
 Lake Wales - yes
 Lakeland – yes, with the understanding that the West Polk project is not included

Mulberry – not present
Polk City - yes
Winter Haven - yes
Polk County - yes
Motion approved.

6. PRWC Preliminary Projects Budget (Combined Projects) – FY 2022

Director Taylor reminded the board that this was informational and was a summary of the funding that had previously been budgeted and financed. As such, no action was required.

Ms. Gierok provided a brief synopsis of the Phase 1 Combined Projects budget and expenditures.

Director Taylor stated this information will be presented again at the July Board meeting along with a resolution to adopt the budget.

Ms. Gierock provided a look forward at an estimated future budget for the Southeast Wellfield.

Recess Combined Projects Phase 1 Project Board at 2:54 P.M.

F. Open Discussion of Regular BOD

Commissioner Lindsey wanted to thank the Polk delegation in their assistance for legislative funding and announced that County commissioner John Hall will be appointed to the SWFWMD Governing Board.

G. Chair / Executive Director Comments

Chair

No comments provided

Executive Director

Director Taylor wanted to remind everyone that the fiscal year 2020 planning is wrapping up and reminded the Board that the fiscal auditor will be at the July 21 Board meeting to provide their report.

Mayor Mutz stated the West Polk meeting will be set prior to the July 21, 2021 PRWC Board Meeting.

H. Adjournment

Board meeting adjourned by Chair Fultz at 2:58 P.M.



MINUTES POLK REGIONAL WATER COOPERATIVE

August 4, 2021 – 2:00 PM
Nora Mayo Hall
500 3rd Street NW
Winter Haven, FL 33881

ZOOM Virtual Meeting
<https://us02web.zoom.us/j/83892426814?pwd=L0NoUWFmbHg1U0lqNE1PNFBhRDZkdz09>
Call In: +1 (646) 558-8656
Meeting ID: 838 9242 6814
Password: 389836

Member Governments in Attendance:

Member Government	Representative
City of Auburndale	Mayor Tim Pospichal, Primary
City of Bartow	Commissioner Bill Simpson (arrive 2:27 PM), Primary
City of Davenport	In Absence, Commissioner Tom Fellows, Primary
City of Dundee	Commissioner Bert Goddard, Primary
City of Eagle Lake	In Absence, Commissioner Randy Billings, Primary
City of Fort Meade	Commissioner James Watts, Primary
City of Frostproof	In Absence, Vice Mayor Austin Gravley, Primary
City of Haines City	In Absence, Mayor Morris West, Primary
City of Lake Alfred	Commissioner Jack Dearmin, Primary
Town of Lake Hamilton	Mayor Mike Kehoe, Primary
City of Lake Wales	Mayor Eugene Fultz, Primary (Chair)
City of Lakeland	Mayor Bill Mutz, Primary (Secretary/Treasurer)
City of Mulberry	In Absence, Commissioner Collins Smith, Primary
City of Polk City	Mayor Joe LaCascia, Primary
Polk County	Commissioner George Lindsey, Primary (Vice Chair)
City of Winter Haven	Mayor Pro-Tem Nathaniel Birdsong, Primary

A. Call to Order

Meeting called to order by Chair Fultz at 2:00 PM.

B. Agenda Revisions

No agenda revisions were presented.

C. Public Comments

No public comments were presented.

D. Regular PRWC Board of Directors

1. Audit Results (INFORMATION ITEM)

Mr. Brynjulfson, Brynjulfson CPA, presented audit results to the Board of Directors.

2. Adopt Resolution 21-02 – Final Polk Regional Water Cooperative Budget – FY 21/22 (ACTION ITEM)

Moved made by Mayor Mutz and seconded by Commisisoner Lindsey to adopt the presented the Polk Regional Water Cooperative FY 21/22 Resolution 21-02.

Roll Call Vote:

City of Auburndale:	yes
City of Bartow:	yes
City of Davenport:	in absence
Town of Dundee:	yes
City of Fort Meade:	yes
City of Frostproof:	in absence
City of Lake Alfred:	yes
Town of Lake Hamilton:	yes
City of Lake Wales:	yes
City of Lakeland:	yes
City of Mulberry:	in absence
City of Polk City:	yes
Polk County:	yes
City of Winter Haven:	yes

Motion Passes.

3. SWFWMD Presentation (INFORMATION ITEM)

Chris Tumminia, General Counsel and Jennette Seachrist, Division Director, Resource Management, SWFWMD, presented an Alternative Water Supply Project Funding and Permitting presentation.

Mr. Kehoe asked for the presentation to made available to members commissions.

Commissioner Lindsey asked when individual projects are asked to be funded, it was indicated that that would not be in compliance with District policies, a clear no was not stated.

Ms. Seachrist stated the short answer is no.

Commissioneer Lindsey asked if the District would permit an application for a freestanding go it alone project if they believe the District's numbers are half of what their objective is to meet. Would the District permit.

Mr. Tumminia stated as long as the permit application complies with all of the laws and regulations that the District looks at when evaluating permit application, the District would permit the lower Floridan aquifer project and also keep in mind that the demonstrated 2025 demand CFWI rules do not apply any limitations to withdrawals from the lower Floridan aquifer. So the District would look at the same components, impact analysis, demand, reasonable beneficial use that the District looks at for their groundwater permit applications as long as that permit application complies with the District rules and regulations would be permitted. The District would not fund it, but would permit it.

Commissioner Lindsey stated the project would be permitted if all criteria were met but would not fund the project even if the District knew the representation on cost were understated.

Mr. Tumminia stated that is correct.

Commissioner Lindsey stated the applicant's risk to move forward.

Mr. Tumminia stated yes.

Commissioner Lindsey stated Polk County is very committed to the alternative water supplies, very committed to the Polk Regional Water Cooperative, and going back five years to when the Cooperative was first started, the carrot and the stick approach was reiterated many many times. The carrot is the cooperative funding that certainly is a major enticement and the stick being the tightening of the regulations so as to require everyone to be on the same page to collectively seek these alternative water supplies and stop our sole reliance on the upper Floridan. Along with that commitment Polk County is going now through their process of reviewing how to spend ARP money that is coming available to local governments. Polk County has earmarked \$12 million for the Southeast Wellfield design fees, \$6 million for the West Polk design fees, interconnections between Polk, Lakeland, and Bartow's water system for \$1 million and another interconnect with the City of Winter Haven for \$1.5 million. Over \$20 million from Polk County is committed to this process. But if this allowing folks to get off the reservation continues then this is going to lose the cohesion that brought us all together. Commissioner Lindsey stated he is hoping that what the District has outlined recognizes the entitlements that the local governments have today but keeps a tight rein on where we go in the future if we are going to achieve this common objective. In that same light, Commissioner Lindsey asked that sometimes the policy not get in the way of the objective. Our collective objective is to reduce our reliance on the upper Floridan and its degradation and its limited capacity and rely on the alternative water, the deep water. As long as we can achieve that objective is there not some room for flexibility on exactly how it is structured? We started all of this by deciding how we were going to cobble this together and what we thought was a good idea at the time we learned needs tweaking along the way, and Commissioner Lindsey was particularly interested in the ownership and operation of the physical asset. There has to be a mechanism whereby the District can do the cooperative funding, and then the Cooperative contract with or engage in a contractual relationship with Polk County in the Southeast and Lakeland in the West so the operators and the day to day operation are the same operators wearing the same uniform doing the same protocols for Lakeland at the West Polk project and the County at the Southeast Wellfield. so that we have experienced operators running these systems under a contractual relationship

with the PRWC and therefore the District for that cooperative funding. Why is it necessary that the operator be employed by the PRWC? If we can achieve the same goals, and the goal is the reliance on the lower Floridan, why should that get in the way. We are talking about economies of scale, why should that get in the way of the economies of scale of day to day operation.

Mr. Tumminia stated they appreciate the County's leadership in this effort. The District has a very vested interest in keeping the regional water supply entity intact as a whole. While getting off of reliance on upper Floridan quantities in favor of lower Floridan aquifer quantities and allocations is certainly one of the primary objectives the District has. The District also has other alternative water supply projects that the Polk Regional Water Cooperative is considering that have to do with river water and other sources of alternative water supply. So one of the other primary objectives of the District, and this is included in the first resolution the District's Governing Board adopted in 2015, was the establishment, creation, and continued cooperation of the regional water supply entity. Anything we do in the context of our cooperative funding initiative program in terms of negotiating the terms and conditions of those cooperative funding agreements with the Polk Regional Water Cooperative, the District will have the intent in mind to keep the Cooperative together as a whole and so when it comes to terms and conditions about how the projects are going to be operated and maintained is certainly something Mr. Tumminia can speak with PRWC legal counsel about. We have had an opportunity to have a few brief discussions and so those issues are certainly on the table when it comes to the operation and maintenance, but we still need to have some time to work through them and really digest what the ultimate outcome of the situation like that will be, but the District will absolutely take the comments and considerations into account when we work through that cooperative funding agreement in terms of the operation and maintenance aspect of it.

Mayor Mutz stated while he highly respects Commissioner Lindsey's concerns regarding the terms of the operation and maintenance scenarios going forth, on the near term basis of developing, permitting, and maintaining autonomy, where that does not satisfy the District's desires it becomes imperative for us to keep the glue on the Cooperative and in the near term take into consideration the desires of the District.

4. FDEP Grant Disbursements for Southeast, West Polk, and Peace Creek Projects (INFORMATION ITEM)

Mary Thomas, Team One, presented a brief synopsis of the disbursement requests underway from the Heartland Grant funding.

Recess Regular Board of Directors Meeting / Commence Joint Meeting of Combined Projects Phase 1 Project Board at 3:02 P.M.

E. PRWC Combined Projects Board of Directors

1. Adopt Resolution 21-03 – Final Combined Project Phase 1 Budget– FY 21/22 (ACTION ITEM)

Katie Gierock, Team One, provided a synopsis of the Combined projects budget.

Commissioner Lindsey moved and seconded by Mayor Pro-tem Birdsong to approve the Combined Projects Annual Budget Resolution 21-03.

Roll Call Vote:

City of Auburndale:	yes
City of Bartow:	yes
City of Davenport:	in absence
Town of Dundee:	yes
City of Fort Meade:	yes
City of Frostproof:	in absence
City of Lake Alfred:	yes
Town of Lake Hamilton:	yes
City of Lake Wales:	yes
City of Lakeland:	yes
City of Mulberry:	in absence
City of Polk City:	yes
Polk County:	yes
City of Winter Haven:	yes

Motion Passes.

2. Decision regarding Phase 1 permitting activities of the West Polk Wellfield (ACTION ITEM)

Mr. Ed de la Parte, PRWC legal counsel, stated this item came about as result of the West Polk Wellfield Project Board meeting and requesting permitting of the West Polk wellfield from Team One to Tetra Tech. This is part of the TeamOne scope under the combined implementation agreement.

Mary Thomas, Team One, provided an updated on TeamOne progress on the water use permit application completed thus far.

Mr. de la Parte stated that SWFWMD has stated that they could not approve an increase in funding to transfer the permitting to Tetra Tech

Mayor Mutz stated that the West Polk Board is to modify the request to authorize TeamOne to complete a draft application for review and approval by the West Polk Board.

Motion made by Commissioner Lindsey seconded by Commissioner Simpson to have TeamOne complete the draft application for the West Polk lower Floridan aquifer wellfield water use permit for review and approval by the West Polk Project Board.

Roll Call Vote:

City of Auburndale:	yes
City of Bartow:	yes
Town of Dundee:	yes
City of Fort Meade:	yes

City of Lake Alfred:	yes
Town of Lake Hamilton:	yes
City of Lake Wales:	yes
City of Lakeland:	yes
City of Polk City:	yes
Polk County:	yes
City of Winter Haven:	yes

Motion Approved.

3. Authorize TeamOne to prepare the West Polk LFA CFI Application (ACTION ITEM)

Mr. de la Parte stated that TeamOne currently has this in their scope, this action would be for TeamOne to prepare the application.

Mayor Mutz stated that they would like the same modification to apply for TeamOne to prepare and submit for review.

Mayor Mutz made a motion, seconded by Commissioner Lindsey for Team One to prepare the West Polk LFA CFI application for review and approval by the West Polk Board prior to submission to the District.

Roll Call Vote:

City of Auburndale:	yes
City of Bartow:	yes
Town of Dundee:	yes
City of Fort Meade:	yes
City of Lake Alfred:	yes
Town of Lake Hamilton:	yes
City of Lake Wales:	yes
City of Lakeland:	yes
City of Polk City:	yes
Polk County:	yes
City of Winter Haven:	yes

Motion Approved.

4. Combined Projects Final Design Decision (ACTION ITEM)

Mr. de la Parte stated at the June 16th meeting of the West Polk Project Board there was a suggestion that TeamOnes scope be reviewed for the ability to enter into a contract for the Final Design of the West Polk and Southeast Wellfield projects.

Commissioner Lindsey moved, seconded by Mayor Pospichal, for staff to enter negotiations with TeamOne to modify their scope to include the full design of the West Polk and Southeast Wellfield projects contingent on approvals from funding agencies and the respective project boards.

Roll Call Vote:

City of Auburndale:	yes
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City of Bartow:	yes
Town of Dundee:	yes
City of Fort Meade:	yes
City of Lake Alfred:	yes
Town of Lake Hamilton:	yes
City of Lake Wales:	yes
City of Lakeland:	yes
City of Polk City:	yes
Polk County:	yes
City of Winter Haven:	yes

Motion Approved.

Recess Combined Projects Phase 1 Project Board / Commence Southeast Wellfield Project Board at 3:18 P.M.

F. Southeast Project BOD

1. Authorize Financial Advisor Contract (ACTION ITEM)

Mr. de la Parte stated the first item is to authorize Julie Santamaria, RBC Capital Markets, LLC, as the financial advisor for the project. At present, the funding plan for the Southeast Wellfield and West Polk Lower Florida Aquifer Wellfield Project envisions obtaining a loan from the EPA under the Water Infrastructure Financing and Innovation Act (WIFIA), a loan from the State Revolving Fund (SRF) and a line of credit from a commercial institution. In order to proceed with this funding plan, it has been recommended by Team One and the PRWC's bond counsel that the PRWC retain a financial advisor to assist in obtaining this funding under the best possible terms. Wifia requires a Financial Advisor to make a rating analysis to attach with the loan.

Moved by Mayor Pospichal and seconded by Commissioenr Dearmin to approve the Municipal Advisor Contract with RBC Capital Markets, LLC.

Roll Call Vote:

City of Auburndale:	yes
City of Bartow:	yes
City of Lake Alfred:	yes
City of Lakeland:	yes
City of Winter Haven:	yes
Town of Dundee:	yes
Polk County:	yes

Motion Approved.

2. Southeast Final Design Decision (ACTION ITEM)

Mr. de la Parte stated this item is to confirm the Combined Project Board decision made under agenda item E4.

Mayor Pro-tem Birdsong moved and Mayor Pospichal seconded the approval by the Southeast Wellfield Project Board for staff to move forward with negotiaions with

TeamOne for the final design of the Southeast Wellfield Project contingent upon receiving confirmation from SWFWMD, EPA and SRF that this arrangement is acceptable.

Roll Call Vote:

City of Auburndale:	yes
City of Bartow:	yes
City of Lake Alfred:	yes
City of Lakeland:	yes
City of Winter Haven:	yes
Town of Dundee:	yes
Polk County:	yes

Motion Approved.

Recess Southeast Wellfield Project Board / Commence West Polk Project Board at 3:22 P.M.

G. West Polk Project BOD

1. Authorize Financial Advisor Contract (ACTION ITEM)

Moved by Mayor Pro-tem Birdsong and seconded by Commissionr Lindsey to approve the Municipal Advisor Contract with RBC Capital Markets, LLC.

Roll Call Vote:

City of Auburndale:	yes
City of Eagle Lake:	in absence
City of Lakeland:	yes
City of Polk City:	yes
Polk County:	yes
City of Bartow:	yes
City of Winter Haven:	yes

Motion Approved

2. West Polk Final Design Decision (ACTION ITEM)

Commissioner Lindsey moved and Mayor Pospichal seconded the approval by the West Polk Project Board for staff to move forward with negotiations with TeamOne for the final design of the West Polk Project contingent upon receiving confirmation from SWFWMD, EPA and SRF that this arrangement is acceptable.

Roll Call Vote:

City of Auburndale:	yes
City of Eagle Lake:	in absence
City of Lakeland:	yes
City of Polk City:	yes
Polk County:	yes

City of Bartow: yes
City of Winter Haven: yes

Motion Approved

3. Authorize TeamOne to submit the West Polk LFA CFI Application (ACTION ITEM)

Commissioner Lindsey moved and Mayor Pro-tem Birdsong seconded authorizing TeamOne to submit the West Polk LFA Cooperative Funding Initiative Application upon review and approval of the Project Board.

Roll Call Vote:

City of Auburndale: yes
City of Eagle Lake: in absence
City of Lakeland: yes
City of Polk City: yes
Polk County: yes
City of Bartow: yes
City of Winter Haven: yes

Motion Approved

4. Decision regarding Phase 1 permitting activities of the West Polk Wellfield (ACTION ITEM)

Motion made by Mayor Mutz seconded by Commissioner Lindsey to have TeamOne complete the draft application for the West Polk lower Floridan aquifer wellfield water use permit for review and approval by the West Polk Project Board.

Roll Call Vote:

City of Auburndale: yes
City of Eagle Lake: in absence
City of Lakeland: yes
City of Polk City: yes
Polk County: yes
City of Bartow: yes
City of Winter Haven: yes

Motion Approved

Recess West Polk Project Board/Commence Regular PRWC Board at 3:24 P.M.

H. Open Discussion

Commissioner Dearmin mentioned that Mr. Lake sends his regards.

I. Chair / Executive Director Comments

Chair

No remarks at this time.

Executive Director

No remarks at this time

J. Adjournment

Board meeting adjourned by Chair Fultz at 3:25 P.M.

November 17, 2021 Polk Regional Water Cooperative Regular Meeting
Agenda Item #2

SUBJECT

Polk Regional Water Cooperative Meeting Schedule 2022

DESCRIPTION

Provided for consideration and approval is the Polk Regional Water Cooperative Board of Directors 2022 Meeting Schedule. The Board meets no less than bi-monthly typically on the third Wednesday of the selected month and for the last year at Nora Mayo Hall in Winter Haven at 2:00 p.m.

The below chart details proposed meeting dates for the calendar year 2022.

January 19, 2022 (Third Wednesday)	2:00 p.m.	Nora Mayo Hall, Winter Haven
March 16, 2022 (Third Wednesday)	2:00 p.m.	Nora Mayo Hall, Winter Haven
May 18, 2021 (Third Wednesday)	2:00 p.m.	Nora Mayo Hall, Winter Haven
July 20, 2022 (Third Wednesday)	2:00 p.m.	Nora Mayo Hall, Winter Haven
September 21, 2022 (Third Wednesday)	2:00 p.m.	Nora Mayo Hall, Winter Haven
November 16, 2022 (Third Wednesday)	2:00 p.m.	Nora Mayo Hall, Winter Haven

If these dates are approved, staff will update the website and initiate calendar invites for your calendars.

RECOMMENDATION

Staff recommends approval of 2022 Meeting Schedule

FISCAL IMPACT

N/A

November 17, 2021 Polk Regional Water Cooperative Regular Meeting
Agenda Item #3

SUBJECT

Heartland Headwaters Protection & Sustainability Act Report- FY 2022-2023 (ACTION ITEM)

DESCRIPTION

The Florida Legislature passed HB 573, known as the Heartland Headwaters Protection and Sustainability Act, which recognizes the importance of the water resources in and around Polk County.

The Act declared that fostering partnerships between Regional Water Supply Authority and local governments is in the state interest, and in doing so requires that the Polk Regional Water Cooperative (PRWC) prepare an annual comprehensive report listing projects that are needed to protect and restore the region's water resources so that these may be considered for state funding support. The Annual Report must be submitted to the State by December 1 of each year.

The Legislature appropriated \$7,000,000 for the projects in FY 2021-2022. These funds are currently being used towards advancing two of the PRWC alternate water supply projects currently underway and to support a number of other member projects.

The FY 2022-2023 Annual Report has been prepared and presents summaries for 26 projects submitted by the PRWC membership, totaling over \$964 million in project costs. The projects have been ranked, and the Annual Report requests approximately \$52 million in state funding support for their implementation in FY 2022-2023.

RECOMMENDATION

Staff recommends approval of the Annual Report, which would then be presented to the Governor, the President of the Senate, the Speaker of the House of Representatives, the Florida Department of Environmental Protection, and the Southwest Florida Water Management District by December 1, 2021.

FISCAL IMPACT

Pending State appropriations for Fiscal Year 2022-2023.

Heartland Headwaters Protection and Sustainability Act

Annual Comprehensive Water Resources Report

FY 2022-23





Annual Comprehensive Water Resources Report

Executive Summary

In early 2017, the Florida Legislature passed HB 573, better known as the Heartland Headwaters Protection and Sustainability Act (Chapter No. 2017-111, Laws of Florida). The Act statutorily recognizes the vital importance of those portions of the Green Swamp Area of Critical State Concern that lie within the jurisdictional bounds of Polk and Lake counties and designates Polk County's aquifers as the headwaters for six of Florida's major rivers: the Alafia, Hillsborough, Kissimmee, Ocklawaha, Peace, and Withlacoochee Rivers. Furthermore, it acknowledges the critical importance of Polk County's aquifers to the economic and ecological health of the surrounding regions. The Act declared that fostering partnerships between Regional Water Supply Authorities (RWSA) and local governments is in the state interest.¹

For the purposes of fostering such partnerships, the Act requires that the Polk Regional Water Cooperative, an RWSA created through inter-local agreement between Polk County and the county's 15 municipal governments, prepare an annual comprehensive report listing projects that are needed to protect and restore the region's water resources so that these may be considered for state funding support.

Consistent with the provisions of the Act, the Polk Water Cooperative has identified 23 drinking water, wastewater, stormwater & flood control, and environmental restoration & conservation projects submitted by its member governments, prioritized them and is

¹ Fla. Stat. § 373.462 (2017)

requesting \$47,293,050 in state funding support for their implementation in FY 2022-23. The Cooperative now presents these to the Governor, the President of the Senate, the Speaker of the House of Representatives, the Florida Department of Environmental Protection, and the Southwest Florida Water Management District for funding consideration.

Background

Green Swamp Area of Critical State Concern

The Green Swamp, as a whole, is spread out over 560,000 acres of Southwest Florida.² In 1979, the Florida Legislature designated a large area of these wetlands, roughly 322,690,000 acres that encompasses northern Polk and Southern Lake County, as the Green Swamp Area of Critical State Concern.³ This hydrologic zone serves as the headwaters for the following rivers: the Hillsborough (drainage area: 690 sq. miles), the Withlacoochee (drainage area: 2,000 sq. miles), the Ocklawaha (drainage area: 2,120 sq. miles), and the Peace (Drainage area: 2,300 sq. miles).⁴ The Withlacoochee and Ocklawaha are both designated as Outstanding Florida Waters, while the Peace and Hillsborough rivers both serve as primary potable drinking water sources for the Tampa Bay Area and Sarasota.⁵

The Green Swamp Area is an integral part of the Floridan Aquifer, a 100,000 sq. mile freshwater system that is among the largest and most productive sources of potable water in the world. Cities from Savannah, Georgia on the Atlantic Coast, to St. Petersburg, Florida in the Gulf of Mexico, rely upon this aquifer for most of their water needs.⁶ The

² Southwest Florida WMD. Green Swamp Wilderness Preserve, <http://www.swfwmd.state.fl.us/recreation/areas/greenswamp.html> (Accessed Aug. 10, Mar. 2, 2017)

³ DEO. *Green Swamp Area*, <http://www.floridajobs.org/community-planning-and-development/programs/community-planning-table-of-contents/areas-of-critical-state-concern/the-green-swamp> (Accessed Aug. 10, 2017)

⁴ Southwest Florida WMD. *Green Swamp Interactive*, <https://www.swfwmd.state.fl.us/education/interactive/greenswamp/rivers.html> (Accessed August 10, 2017)

⁵ DEO, *supra*.

⁶ USGS. *Floridan Aquifer System*, https://pubs.usgs.gov/ha/ha730/ch_g/G-text6.html (last visited Mar. 2, 2017)

Aquifer reaches its highest elevation in the Green Swamp, which makes it vital to the health of the aquifer system as a whole since it acts as a pressure head to all the areas and riverine chains surrounding it. The swamp's flood basins are the linchpin to maintaining the region's water table during peak rain and flood seasons, while keeping the aquifer freshly recharged. However, the same limestone sub-strata that allows water to flow freely through the region also makes the aquifer highly susceptible to groundwater pollution.⁷

The Southern Water Use Caution Area (SWUCA)

In 1998, the state's five Water Management District's (WMDs) conducted an evaluation of the state's aquifers in order to assess whether these resources were adequate enough to meet two decades worth of consumption needs. With the exception of the assessment done by the Suwannee River Water Management District (which must be re-evaluated periodically), all the WMDs ruled that natural water supplies were inadequate. In response to these findings, the WMDs began the process of developing Regional Water Supply Plans (RWSPs)⁸ and forming partnerships with local governments and regulative agencies (as well as coordinating more closely with each other) to come up with region-wide planning strategies.

Six years earlier, in 1992, the Southwest Florida Water Management District declared 5,100 sq. miles of wetlands south of Tampa Bay as the Southern Water Use Caution Area (SWUCA), which encompasses a large portion of southwest Polk County along its northern regions, as well as the whole of Manatee, Hardee, Desoto, and Sarasota County, and parts of Charlotte, Hillsborough, and Highland County. The SWUCA was designated in order to address reduced flows in the upper Peace River, reduced lake levels in the Ridge Lakes Area that extends 90 miles across Hillsborough and Polk County, and an increasing level of saltwater intrusion along the coast of southern Hillsborough, Manatee and northwestern

⁷ DEO, *supra*.

⁸ DEP. *Regional Water Supply Planning*, <http://www.dep.state.fl.us/water/waterpolicy/rwsp.htm> (last visited Mar. 5, 2017).

Sarasota counties, some 708 sq. miles of which has been declared a Most Impacted Area (MIA). In some areas of the aquifer, groundwater fluctuations exceeded as much as 50 ft.⁹

Historically, the primary use for water in the SWUCA has been for agricultural purposes, (with some supplies also used for phosphate mining activities, though these activities are on the decline). Due to high salt content in the coastal aquifers, most freshwater withdrawals come from the Floridan Aquifer further inland, which has put heavy strain on that natural source.¹⁰

In 2006, the Southwest WMD adopted its 20-year SWUCA Recovery Strategy, with the aim of meeting the minimum flows and levels established for the Peace River and Ridge Lake, as well as the longer term goal of slowing saltwater intrusion into the aquifer over a period of 50 years, all while maintaining a sufficient supply of water for all projected beneficial and reasonable uses within the 8-county area. This plan is made up of two components: (1) the control of withdrawals from the aquifer, and (2) the development of water resource projects to restore the aquifer to its historical flows.¹¹

The regional water supply plan developed under SWUCA calls for the following conditions:

- (1) Restore minimum levels to priority lakes in the Ridge area by 2025.
- (2) Restore minimum flows to the upper Peace River by 2025.
- (3) Reduce the rate of saltwater intrusion in coastal Hillsborough, Manatee and Sarasota counties by achieving the proposed minimum aquifer level for saltwater intrusion by 2025; once achieved, future efforts should seek further reductions in the rate of saltwater intrusion and the ultimate stabilization of the saltwater-freshwater interface.

⁹ Southwest Florida WMD. *Southern Water Use Caution Area*, <https://www.swfwmd.state.fl.us/projects/swuca/> (Accessed Aug. 12, 2017)

¹⁰ Southwest Florida WMD. *Southern Water Use Caution Area Recovery Strategy* (Mar. 2006), https://www.swfwmd.state.fl.us/documents/plans/swuca_recovery_strategy.pdf (Accessed Aug. 12, 2017), at pg. 8.

¹¹ *Id* at pg. 43.

- (4) Ensure that there are sufficient water supplies for all existing and projected reasonable-beneficial uses.

To meet the minimum flows for reduction of saltwater intrusion, the SWFWMD estimated that an annual average reduction of 50 mgd from the Floridan aquifer must be achieved, though they also estimated that a significantly smaller reduction would be needed if water withdrawals were optimally increased in less impacted areas while being reduced in heavily impacted areas.

Public water use was estimated in this report to be the largest growing area of demand, with a projected annual increase of 105.2 mgd by 2025 (111.8 mgd in drought years), with the largest increases expected in Polk County, where water needs during drought conditions are anticipated to go up by 22.1 mgd.

Recreational water use, meanwhile, was projected to grow to 19.6 mgd by 2025, (25.3 during drought years). The total additional need for water throughout the entire SWUCA was thus estimated to be 181.7 in average conditions and 193.7 mgd during drought conditions. Over half that must be allocated to public use, while the remainder, 50 mgd, must be reserved for the purposes of restoring minimum flows and levels.¹²

The FY2012-2016 SWUCA 5-Year Assessment concluded that the District has made progress towards recovery, but continued to support the need to reduce overall groundwater withdrawals through LFA investigations, AWS project prioritization, supporting regional water supply entities and other initiatives.

The Central Florida Water Initiative (CFWI).

In 2006, around the same time that the SWFWMD was releasing its SWUCA Recovery Plan, the St. John's River, South Florida, and Southwest Florida WMD agreed to a Central Florida Coordination Area (CFCA) Action Plan to address the near-term and long-term

¹² Id at pg. 54-55

development of water supplies in the central Florida region, including southern Lake, Orange, Osceola, Seminole and Polk counties.

The Action Plan, which was originally set to be carried out in two phases, only covered those areas of northeast Polk that were not already within the SWUCA.¹³

The first phase of the action plan, an interim set of regulations for water withdrawals and alternative supply development, sunsetted on Dec. 31, 2012. The second phase, which was to rely on data gathered through hydrological studies and local stakeholder input, was halted due to the unexpected technical complexity of performing the studies, a sudden downturn in the local economy, and the inability of stakeholders to reach a consensus. As a result, the 2012 rule-making deadlines could not be met.¹⁴

The three WMDs, along with their associated stakeholders, developed a new process for rulemaking, which they dubbed the Central Florida Water Initiative (CFWI), led by a steering committee composed of the three representatives for the three member WMDs, a representative for the water utilities, one DEP representative, and another from DACS.¹⁵

The CFWI's 2015 Guiding Document created a number of collaborative technical teams to undertake the necessary scientific hydrologic analysis to support decision making for the CFWI and create accurate estimates of water supplies needs through 2035.

In 2016, the CFWI released a new guiding document, assigning technical teams to following respective areas:

- Conservation
- Regulation
- CFWI Water Supply Development

¹³ CFWI. *Central Florida Water Initiative Guiding Document* (Jan. 2015), http://cfwiwater.com/pdfs/CFWI_Guiding_Document_2015-01-30.pdf (Accessed Aug. 14, 2017), at pg. 2.

¹⁴ Id at pg. 3.

¹⁵ Id at pg. 5.

- Water Resource Developments
- Communication Outreach¹⁶

The work product of all these teams became the 2015 Regional Water Supply Plan and Water Supply Strategies Plan and the 2035 Water Resources Protection and Water Supply Strategies Plan, and have since been updated with the publication of the 2020 Regional Water Supply Plan.

CFWI 2020 Regional Water Supply Plan

Overall, the updated 2020 CFWI RSWP estimates that the total population within the CFWI Planning Area, some 2.9 million people, will grow to about 4.4 million by 2040. In that same period, the total average water use within the CFWI area will grow from the current 667 mgd to 908 mgd in 2040, with public supply being the largest and fastest growing use, followed by agricultural and commercial consumption.¹⁷ In Polk County alone, public supply is projected to grow from 69.74 mgd in 2015 to the 5-in-10 average of 99.81 by 2040. In Osceola, one of the faster growing counties in the region, that demand is expected to double, from a 2015 usage of 34.81 mgd to 72.67 mgd in the same time period.¹⁸

The CFWI estimates that at most, 760 mgd may be safely drawn from traditional natural sources without harming the aquifer, and only through carefully coordinated management strategies amongst the stakeholders involved. Much of the region's water supply is already being provided through these traditional sources, with the rest of the remaining burden taken on through wastewater recycling efforts. 95% of the wastewater in the CFWI Area, some 215 mgd on average, is already being recycled for agricultural and industrial uses.¹⁹

¹⁶ CFWI. *Central Florida Water Initiative 2020 Guiding Document* (April 1, 2016), pdf (Accessed Aug. 30, 2017), at pg. 5-6.

¹⁷ CFWI, *Regional Water Supply 2020*, Public Review Draft. (Accessed Oct. 8, 2020) https://cfwiwater.com/pdfs/CFWI_2020%20Public_Review_Draft_VolI_Rpt_3-8-2020R8.pdf, at page ii

¹⁸ Id at Appendix pg. A-20

¹⁹ Id at pg. 7.

MFLs have been established in 54 waterbodies within the CFWI Area, 13 of which are not being met and many more projected to fall below those levels if alternative sources are not developed to meet the growing demand. While the monitoring wells in the Lake Wales Ridge are currently meeting their targets, SWUCA's Saltwater Intrusion Minimum Aquifer Level is not being met.²⁰

Through the RWSP planning process, CFWI stakeholders have identified up to 85 potential water supply projects for meeting the demands, including 11 involving non-traditional groundwater/brackish water sources, 48 reclaimed water, 17 surface water, 2 stormwater, and 7 management strategies projects, all of which have the potential to increase available public water supplies not covered by traditional sources.²¹ It is anticipated that the 95 MGD of needed alternative water supplies can be achieved to meet 2040 demands.

FDEP CFWI Rulemaking

In 2016, the Florida Legislature enacted 373.0465(2)(d) requiring the adoption of uniform rulemaking in the CFWI area. Rulemaking has since concluded with Rules 62-41.300 through 62-41.305 F.A.C. and the CFWI Supplemental Applicant's Handbook, both which apply to consumptive use permit application and permittees with withdrawal points within the CFWI area.

With this rulemaking, public suppliers in the CFWI would have their upper Floridan allocations limited to 2025 demonstrated demands, resulting in a need to explore alternative water supplies.

²⁰ SWFWMD, *Southern Water Use Caution Area Five Year Assessment for 2012-2016*, April 2019 (Accessed October 10, 2020).
<https://www.swfwmd.state.fl.us/sites/default/files/medias/documents/SWUCA%20Five-Year%20Assessment%20FY2012-16.pdf> at page 19

²¹ CFWI, *Regional Water Supply 2020*, Public Review Draft. (Accessed Oct. 8, 2020)
https://cfwiwater.com/pdfs/CFWI_2020%20Public_Review_Draft_VolI_Rpt_3-8-2020R8.pdf, at page 69

Polk County Regional Water Cooperative

Carrying out both the findings and guiding principles outlined by the SWUCA and CFWI will require the cooperation, assistance, and technical expertise that can be provided by the Polk County Regional Water Cooperative. The Cooperative is a Regional Water Supply Authority (RWSA) that was created on March 1, 2016 by inter-local agreement between Polk County and 15 member municipalities.²²

It is the intent and purpose of the Cooperative to study, plan, develop, improve, and maintain water projects within its jurisdiction, with the powers granted to it under Fla. Stat. § 373.713(1) and 163.01 (Florida Inter-local Cooperation Act).²³

FY 2021-22 was another productive year for the Cooperative. In September of 2020, the Cooperative member governments completed a Demand Management Plan (DMP) which has enabled the PRWC to estimate the amount of water which could be conserved with the implementation of select programs. The Implementation Strategy will enable the Cooperative Conservation Project Team to select those programs which provide the most savings for their dollar, and provide specific guidance on how to enhance participation. The Conservation Team continues to work collaboratively to provide indoor incentives such as low flow toilet rebates and conservation kits, to develop outdoor BMPs like Florida Friendly landscaping rebates and smart irrigation controllers, and to obtain funding.

In October of 2017, the Cooperative entered into an agreement with a professional services team, referred to as “TeamOne,” to implement feasibility studies for three alternative water supply projects. A fourth project was added in May of 2019. Two of the projects involve the use of the brackish lower Floridan aquifer as a water supply, and the other two involve surface water capture for use as a water supply through treatment and direct use or through

²² Polk Regional Water Cooperative. *Inter-local Agreement Relating to the Establishment of the Polk Regional Water Cooperative*. <http://www.prwcwater.org/docs/default-source/documents/16-06-07-prwc-interlocal-agreement2.pdf?sfvrsn=4>. (Accessed Aug. 14, 2017)

²³ Id at pg. 14.

groundwater offset. The scope of the overall feasibility study program involves conducting field investigations and engineering evaluations to determine project yield, preparing preliminary designs for three of the projects, and conducting a rate analysis for all four projects.

Since entering into the TeamOne agreement, the Cooperative contractor has completed aquifer performance testing of the test wells drilled at the Southeast wellfield and completed the conceptual design of the Southeast Water Production Facility and Transmission System. The Final Preliminary Design Report (PDR) for the Water Production Facility and transmission system was delivered in October of 2021 following a Third Party Review conducted by SWFWMD. Final design is planned to initiate in 2022.

The PRWC has also completed the drilling and testing of wells at the West Polk site with the purpose determining the sustainable yield and quality of the aquifer system. A PDR for the West Polk Water Production Facility and transmission system was developed and the SWFWMD conducted a Third Party Review in 2021.

A site selection report for Peace Creek Integrated Water Supply Project has been completed which resulted in recommendations for a surface water capture and aquifer recharge project to be developed. The contractor delivered a Preliminary Design Report in 2021. The Fourth project, the Peace River and Land Use Transition Project has kicked off with a conceptual plan for intake locations and treatment underway.

The Cooperative continues to work diligently to advance the feasibility study, update its member demands, and determine the most practical solutions to meet the region's long-term water supply needs.

The Heartland Headwaters Protection and Sustainability Act of 2017

In 2017, the Florida Legislature passed HB 573, better known as the Heartland Headwaters Protection and Sustainability Act. The Act recognizes the vital importance of those portions of the Green Swamp Area of Critical State Concern that lie within the jurisdictional bounds

of Polk and Lake Counties. It designates Polk County's aquifers as the headwaters for six of Florida's major rivers: the Alafia, Hillsborough, Kissimmee, Ocklawaha, Peace, and Withlacoochee Rivers.

Furthermore, it recognizes the findings of the Central Florida Water Initiative Guiding Document dated January 30, 2015, and the Southern Water Use Caution Area Recovery Strategy dated March 2006, both of which layout the critical importance of Polk County's aquifers to the economic and ecological health of the surrounding regions. Lastly the Act declares that fostering partnerships between RWSAs and local governments is now in the state interest.²⁴

For the purposes of fostering such partnerships and addressing the hydrologic needs of the region, the Act requires that the Polk Regional Water Cooperative prepare an annual comprehensive report identifying and prioritizing all the water resource projects of its constituent member counties and local governments so that these may be considered for state funding support.

The list of projects must be divided into the following categories:

1. Drinking Water
2. Wastewater
3. Stormwater and Flood Control
4. Environmental Restoration
5. Conservation

(Note: A project may be listed under multiple categories)

The Act requires that a priority ranking be given to each project that is ready to proceed in the upcoming fiscal year. Each listed project must have an estimated cost and completion date, as well as a breakdown of each source of financial assistance (the water cooperative, member counties & local government, etc.) and what their total contribution is. This report

²⁴ Fla. Stat. § 373.462 (2017)

must be submitted to the Governor, both Legislative Chambers, the DEP, and to all the appropriate WMDs by Dec. 1 of every year.²⁵

(Note: The Act also requires the cooperative to submit an annual status report to the appropriate WMD regarding all the projects that have received priority state funding in the prior year, for the purpose of including these same projects the WMD's consolidated district annual report. See Fla. Sta. § 373.036(7).²⁶

The Legislature appropriated \$7,000,000 for the projects in FY 2021-2022. These funds are currently being used towards advancing the PRWC alternative water supply projects currently underway and to support a number of other member projects.

Heartland Headwaters Protection and Sustainability Act -

Implementation

Water Resources Project Identification

In July of 2020, the PRWC members were asked to identify the water resources projects that they planned on implementing in the upcoming fiscal year (FY 2021-22) for the five water resource management categories as shown in Table A. A total of 26 projects were submitted. Consistent with the regional challenge to develop and maximize the efficient use of the existing water resources, the projects were mostly drinking water (11) and wastewater (8), but also included stormwater and flood control (6), environmental restoration (6) and conservation (2) projects. Many projects provided multiple benefits so fell into multiple categories. A general description of the need for each project submitted can be found in Table B.

The total cost (all years) of the projects submitted was \$967,469,000. For Fiscal Year 2022-23, \$98,962,910 will be required to implement these projects with the PRWC governments collectively committing \$32,381,171 (32.7%) of that funding. This amount

²⁵ Fla. Stat. § 373.463 (2017)

²⁶ *Id.*

**Heartland Headwaters Protection and Sustainability Act
Table A - Water Resource Project Category Summary**

Project Name	Member Government	Drinking Water	Wastewater (+ Reuse)	Stormwater & Flood Control	Environmental Restoration	Conservation
PRWC West Polk Lower Floridan Aquifer Project Phase I	*PRWC / Lakeland	1				
PRWC Southeast Wellfield Lower Floridan Aquifer Project Phase I	*PRWC / Polk County	1				
Sapphire Necklace Creation	Winter Haven				1	
Headwaters of the Everglades - Water Quality and Wastewater Treatment Project	Polk County	1	1	1	1	
Peace Creek Water Preservation Project	Polk County	1		1	1	
Lake Howard Watershed Treatment Enhancement	Winter Haven			1		
Septic to Sewer Program, Remediation Area 6A	Winter Haven				1	
Crooked Lake Wastewater Collection System Upgrades	Polk County		1			
Utility System Rehab	Auburndale		1			
Water Treatment Plant Additional Lime Softening Unit Upgrade Project	Bartow	1				
Allred Wastewater Treatment Plant Filter Upgrade	Auburndale		1			
Wastewater Treatment Plant Headworks Rehabilitation Project	Bartow		1			
Wastewater Treatment Plant Solids Management Improvement Project	Bartow		1			
Reclaimed-Winter Haven Preserve at Lake Ashton Reclaimed Water Transmission	Winter Haven					1
Water Resource Center	Winter Haven					1
Pollard Road Water Production Facility	Winter Haven	1				
City of Winter Haven (WWTP#3 Expansion)	Winter Haven		1			
ASR Wellfield at WWTP#3	Winter Haven	1				
Lake May, Lake Shipp Restoration Phase 1	Winter Haven				1	
ONE Water Peace Creek Development	Winter Haven			1		
Low Impact Development Stormwater Enhancements	Winter Haven			1		
Cypresswood Water Treatment Plant	Winter Haven	1				
Water Treatment Plant Sodium Hypochlorite Conversion Project	Bartow	1				
Wastewater Treatment Plant Sodium Hypochlorite Conversion Project	Bartow		1			
Water Treatment Plant Finished Water Control Valves and Discharge Line	Bartow	1				
Road (and Drainage) Enhancement	Lake Hamilton			1		
Total Number of Projects		11	8	6	6	2

Heartland Headwaters Protection and Sustainability Act Implementation

Table B - FY 2022-23 Project Descriptions

Project Name	Member Government	Project Description
West Polk Wellfield Phase II Final Design and Construction	PRWC/City of Lakeland	The PRWC is completing a feasibility study which has considered 4 different alternative water supply approaches to meet the growing demands of the communities within Polk County. Alternative water supplies, including brackish and surface water supplies, diversify water consumptions away from the extensively-used upper Floridan aquifer system. The West Polk Wellfield brackish water supply project has been identified as one project which could be implemented to meet needs of the members within Polk County which cannot be met by traditional, upper Floridan supplies. A preliminary design report is now complete, and the PRWC is moving forward with the final design and construction of the Phase 1, 2.5 MGD reverse osmosis treatment facility, wellfield, and transmission system. Initial work requested under this application include land acquisition (including any legal fees) for the test production well and proeprerty acquisition for the wells and transmission system.
Southeast Wellfield Phase II Final Design and Construction.	PRWC/Polk County	The PRWC has completed a feasibility study which has considered 4 different alternative water supply approaches to meet the growing demands of the communities within Polk County. Alternative water supplies, including brackish and surface water supplies, diversify water consumptions away from the extensively-used upper Floridan aquifer system. The PRWC is moving forward with the final design and construction of the Phase 1, 5 MGD reverse osmosis treatment facility, wellfield, and transmission system. Initial work requested under this application includes land acquisition (including any legal fees) for the test production well and property acquisition for the wells and trasmission system.
Septic to Sewer Program	City of Winter Haven	This is one of several projects being implemented under Winter Haven's One Water Master Plan (1WMP). There are currently 22,900 water accounts with sewer service and 10,500 accounts that are on septic systems in the City of Winter Haven. This project will include recommendations for priority areas to be converted from septic systems to sewer service as part of an ongoing Septic to Sewer Master Plan. This project will also remove pollution discharges from septic tanks that currently enter the groundwater system, some of which impact the lakes in Winter Haven and the drinking water aquifers.
Lake Howard Watershed Treatment Enhancement	City of Winter Haven	This project will eliminate untreated stormwater from a 550 acre watershed that discharges into Lake Howard, which is one of 16 lakes that makes up the iconic Winter Haven Chain of Lakes. The proposed project will divert this stormwater flow into a constructed wetland treatment system. Construction of this green infrastructure project will provide improved capacity to handle stormwater flow during saturated conditions, treatment of stormwater prior to entering a TMDL impaired SWFWMD SWIM Priority Water Body, habitat enhancement for an urban area, and opportunity to expand recreational amenities.
Sapphire Necklace Creation	City of Winter Haven	The Peace Creek Watershed Hydrologic Restoration Project is a phased regional stormwater infrastructure improvement and hydrologic restoration project in central Polk County. The project, which is based on modeling and analysis completed by the SWFWMD, consists of an interconnected system of enhanced surface water storage. The project will increase lake levels in the nine lakes in the Northern Winter Haven Chain of Lakes to restore 47,940 feet of lost storage. Operated as a system, with the addition of operable water control structures for maintaining dynamic storage (not static storage such as a reservoir), the surface water storage areas would hold floodwaters to reduce flooding, and then release the water slowly downstream to increase base flow in the Peace Creek Drainage Canal and the Peace River during the driest times of the year, when water is most needed in the system.
Reclaimed-Winter Haven Preserve at Lake Ashton Reclaimed Water Transmission	City of Winter Haven	This project includes the construction and permitting of approximately 17,600 feet of reclaimed water transmission mains and other necessary appurtenances for a portion of a transmission loop to supply approximately 500 single family residential homes, common areas and medians as well as two golf courses in the southeast reuse portion of Winter Haven. It is expected that this project will provide 0.59 million gallons per day of reclaimed water to the "Ridge Lakes" area of the CFWI.
Water Resource Center	City of Winter Haven	The Water Resource Center will serve as the establishment that connects the pieces of the One Water Master Plan. The Water Resource Center is a joint effort among Winter Haven Water, Natural Resources, and the Parks Recreation and Culture Departments to showcase how the basic needs of the community, the environment and economy are interconnected and can work together to create a community that will be sustainable for many years to come. The project will include new trails for recreation, an outdoor educational space with examples of sustainable development, and office spaces for City staff and volunteers.
Pollard Road Water Production Facility	City of Winter Haven	The area around Pollard Road, where the City owns land in conjunction with Wastewater Treatment Plant #3, will be a focal point for future water supplies for the region and City of Winter Haven. This area will serve as the receiving point for alternative water supplies from the Polk Regional Water Cooperative, generate up to 10 MGD of highly treated reuse water, serve as an alternative site for groundwater pumpage, distribute alternative sources of water from the PRWC to other communities (water wheeling) and is within one mile of the Peace Creek surface water system. Also, this plant will supply water to a growing industrial complex forming around the neighboring CSX Intermodal Transportation Facility. Atkins Engineers has completed 100% design plans for a new water plant at this site that includes a conventional 2.6 MGD water treatment plant, with two raw water wells, two 500,000 gallon above ground storage tank, and four high service pumps. Future expansion to the complex include Wastewater treatment Plant expansion, potable reuse and an ASR wellfield.

Heartland Headwaters Protection and Sustainability Act Implementation
Table B - FY 2022-23 Project Descriptions

Project Name	Member Government	Project Description
WWTP#3 Expansion	City of Winter Haven	The City of Winter Haven currently has two wastewater treatment plans: Plant #2 on the north side of Winter Haven and Plant #3 on the south side. These plants were constructed in the 1971 and 1975 respectively and are operating towards the end of their life expectancies. Also, because of the rapid growth of the Winter Haven area, both plants are approaching the time when they will need to be expanded. Wastewater Treatment Plant #3's current permitted capacity is 7.5 MGD and the planned expansion will bring the plant to 12 MGD. Another critical factor is that Winter Haven is located in the CFWI and Southern Water Use Caution Area because of limitations to traditional groundwater supplies and the effluent from WWTP #3 will be used as a drinking water source in the future. The proposed project will combine the flows from the two existing WWTPs, construct a new WWTP at the Pollard Road site where there is available land, and design the new plants to create a high quality reuse water product that can help meet future water demands.
ASR Wellfield Construction at WWTP #3	City of Winter Haven	This is one of several projects being implemented under Winter Haven's One Water Master Plan (1WMP). The Winter Haven area is the headwaters of the Peace River which flows to Charlotte Harbor. The proposed project would construct new Aquifer Storage and Recovery (ASR) wells as recommended by an ASR Evaluation, Design, and Permitting study. Water will be pumped from the Peace Creek during flood conditions, stored in the Lower Floridan Aquifer (LFA) and then be treated for multiple future uses. During drought or low water conditions, the water will be pumped from the LFA and used for a number of potential purposes, including water supply, reuse augmentation, wetland restoration, recharging the Upper Floridan Aquifer (UFA), lake level enhancement (Ridge Lake MFLs and others) and improvements to the Peace River MFL.
Lake May and Shipp Restoration	City of Winter Haven	Project will remove organic sediment from Lakes May and Shipp, part of the City's Winter Haven Chain of Lakes, a SWIM Priority Waterbody. Currently, the organic sediment on the lake bottoms is up to 12 feet thick and contributes to poor water quality. Both lakes are listed as impaired for water quality, largely due to these legacy sediments. Poor water quality from these lakes also impacts neighboring lakes on the Chain of Lakes. Removing sediments will also improve habitat for wildlife, enhance the fishery, and improve navigation. Both lakes have TMDL requirements that could be met with this project.
ONE Water Peace Creek Development	City of Winter Haven	As part of the Peace Creek Watershed Summary Report and Implementation Plan, a recommendation was made to "Identify and evaluate water storage and recharge opportunities throughout the (Peace Creek) Watershed, create a priority list of potential sites and acquire land using partnerships". This effort was deemed necessary since the Peace Creek watershed contains many of the Ridge Lakes not meeting MFLs and is also just upstream of the section of Peace River that is not meeting its MFL. This section of creek is also listed as an impaired waterbody. Storing water where possible in natural wetland areas that have been drained over the past 100 years is a green infrastructure priority. This approach meets multiple local and regional water resource management objectives as adopted by the SWFWMD SWUCA Recovery Plan, CFWI Water Supply Plan and the City of Winter Haven. It is also imperative that protection measures be put in place prior to the construction of the Southwest-Central Florida Connector toll road since the Peace Creek Watershed is at the headwaters of this project and the exceptional rate of growth that will be experienced once this road is constructed.
Low Impact Development Stormwater Enhancements	City of Winter Haven	The City of Winter Haven has a long history of constructing green infrastructure projects, including Low Impact Development stormwater projects such as raingardens and stormwater percolation systems. This construction project was recommended by a Stormwater Master Plan Study of the City which included Lidar, infrastructure inventorying, and ICPR4 hydraulic and hydrologic modeling. This report defined 6 priority areas in the community where constructing green infrastructure/LID projects could prevent nutrients from entering impaired water bodies (including the Chain of Lakes, which is a SWIM Priority Waterbody), improve aquifer recharge to provide regional hydrologic benefits in the Southern Water Use Caution Area hydrologically impaired region, improve flooding issues and add scenic, recreational and habitat valued to neighborhoods.
Cypresswood Water Treatment Plant	City of Winter Haven	The existing Cypresswood Water Treatment Plant was constructed in 1975 and is in need of replacement. The City of Winter Haven awarded a scope of work to Wright-Pierce Engineers on July 8, 2019 for the evaluation and design of the new plant. A representative of the neighboring neighborhood has requested that the plant be relocated and a new site has been acquired. Wright-Pierce has recommended that the amount of water available at this location should be increased for better protection of natural systems and increased efficiencies of eliminating smaller water plants. The recommendation is to proceed with the design and construction of a new 2.5 MGD Water Treatment Plant, including dedicated land for future reclaimed water direct and indirect potable recharge development. Advantages of a new plant include: possibly increasing the City's permitted capacity by acquiring golf course and orange grove irrigation permits; providing a modern water processing and distribution center to the rapidly growing area; reducing stress to area lakes from other wells; reducing the number of small, outdated water treatment plants in east Winter Haven; and reducing overall maintenance costs.
Headwaters of the Everglades - Water Quality and Wastewater Treatment Project	Polk County Parks & Natural Resources	A priority for Polk County and its municipal partners is to manage infrastructure effectively and efficiently in this quickly urbanizing landscape. This proposal requests additional funding to address the demands and needs on the Kissimmee River Watershed in Polk County for improvement in water quality and increased wastewater treatment, while exploring the production of an alternate water supply. This project is collaborative approach between Polk County Utilities and Parks & Natural Resources to address the nutrient pollutant loads identified in the Headwaters of the Everglades contributing to declining water quality of Lake Okeechobee. This proposal aims to provide funding for a pilot voluntary septic to sewer conversion / septic maintenance program, a study to determine future needs of wastewater treatment in this quickly growing region, and an evaluation to utilize wastewater as an alternate water supply, in the Kissimmee Watershed in Polk County, which will reduce nutrient loading into the Kissimmee River and Lake Okeechobee.

Heartland Headwaters Protection and Sustainability Act Implementation

Table B - FY 2022-23 Project Descriptions

Project Name	Member Government	Project Description
Peace Creek Water Preservation Project	Polk County Parks & Natural Resources	The Polk Regional Water Cooperative (PRWC) is proposing surface water withdrawals and the ability of the natural system to reliably provide water supply while meeting MFLs and effectively treating the surface water. The Peace Watershed program further increases the reliability of flows by storing water under high flow conditions and improving water quality. The program approach provides nutrient removal as well as timing and distribution of flow that is optimized for use at the future PRWC facility. The first phase of this program is to implement feasibility studies, engineering and design, and acquisition of lands as identified in previously completed studies within the watershed. Engineering and design will involve treatment for Lake Eva, Hamilton Chain and Lower Saddle Creek, including retrofits, and treatment wetlands. Wetland restoration projects through the Peace Creek Watershed stabilize hydroperiods, provide water quality treatment, and increase the overall reliability of water. Other benefits include flood protection, conservation of natural systems, hydrologic restoration, and water storage.
Crooked Lake Wastewater Collection System Upgrades	Polk County Utilities	This project represents a continuation of efforts to improve the conditions along Crooked Lake by upgrading the collection system to protect against sanitary sewer overflows. PCU has evaluated the collection system infrastructure by using TV inspections and has cleaned the collection system lines. PCU is currently working with a consultant team to evaluate the collection system to determine upgrades needed including assessing and replacing two (2) existing lift stations to meet current, minimum FDEP regulatory requirements. Future project goals include the abandonment and decommissioning of the current wastewater treatment facility, the design and construction of a third lift station and installation of approximately 4,500 linear feet of wastewater pipe to send the wastewater flows to the City of Lake Wales for treatment. PCU is requesting project funding for the permitting, design, and construction of three (3) lift stations and installation of approximately 4,500 linear feet of wastewater piping to facility transmission of the sewerage to the City of Lake Wales lift station located on HWY 27 at the Oakley Transportation Yard.
Utility System Rehab	City of Auburndale	This project involves the rehabilitation of the City's wastewater collection system and lift station in the Ider area of town. This system was constructed in 1955 and these improvements would have multiple benefits: they would reduce I&I for the sanitary system and minimize sanitary sewer overflows. One area of particular concern is the in the popular downtown City park area. These improvements would significantly reduce the risk of sanitary sewer spillage events and the risk to human health.
Allred Wastewater Treatment Plant Filter Upgrade	City of Auburndale	This project would involve improvements to the filter system at the Allred WWTF. By making these improvements, flow through the entire 1.4 MGD plant will be more consistent. This will improve efficiency of the UV Disinfection System, reducing electrical demands and increase reliability.
Wastewater Treatment Plant Headworks Rehabilitation Project	City of Bartow - Water and Wastewater Department	Replacement of the existing mechanical screen. Addresses issues with large amounts of stringy material and debris bypassing the existing screen. Excessive rags have increased maintenance to unclog pumping equipment and have interfered with control instruments. The new screen will improve operation of the plant and extend the life of downstream equipment.
Wastewater Treatment Plant Solids Management Improvement Project	City of Bartow - Water and Wastewater Department	Rehabilitation of aerobic digesters and equipment, conversion of existing clarifier to sludge storage, and addition of dewatering centrifuge. Expands capacity of existing facilities to produce Class B sludge. Currently, the plant relies on an outside sludge processing facility to meet the stabilization requirements. The solids improvements will minimize odor production and provide increased operational flexibility and reliability.
Water Treatment Plant Additional Lime Softening Unit Upgrade Project	City of Bartow - Water and Wastewater Department	The City of Bartow owns and operates a Lime Softening Water Treatment Plant that supplies water to the City's water service area. Rated for a maximum day capacity of 8.75 million gallons per day, it includes one 8.75 MGD inverted cone shaped lime softening unit. The existing unit was constructed in 2002 and has not been taken out of service for maintenance to date. Due to lime scaling, softening units require maintenance to maintain performance. In order to take the existing lime softening unit off-line for maintenance, a second lime softening unit for redundancy and reliability is required and professional surveying and engineering services for the design, permitting, bidding, and construction services required to a second lime softening unit and associated piping, electrical and controls are being sought. The second lime softening unit will also provide redundancy which will reduce the risk of a major failure which would otherwise result in a complete plant shut-down.
Water Treatment Plant Sodium Hypochlorite Conversion Project	City of Bartow - Water and Wastewater Department	Conversion of the disinfection system from gas chlorine to sodium hypochlorite. Using sodium hypochlorite will reduce the risk of exposure of plant staff. Chlorine gas is increasingly becoming scarce commodity. Recent increases in gas pricing, makes this conversion a necessity. The improvements will also bring the chlorination system into compliance with the latest OSHA regulations.
Wastewater Treatment Plant Sodium Hypochlorite Conversion Project	City of Bartow - Water and Wastewater Department	Conversion of the disinfection system from gas chlorine to sodium hypochlorite. Using sodium hypochlorite will reduce the risk of exposure of plant staff and nearby public facilities to potentially toxic chemicals in the event of an unexpected release. The improvements will bring the chlorination system into compliance with the latest OSHA regulations.
Water Treatment Plant Finished Water Control Valves and Discharge Line Upgrade Project	City of Bartow - Water and Wastewater Department	The City of Bartow (City) owns and operates a Water Treatment Plant (WTP) that supplies water to the City's water service area. The WTP consists of four (4) Upper Floridan wells. The existing piping system is missing (2) 30" dia valves that are critical in controlling the pipe system configuration. The 30" lines that these valves need to be inserted on are live lines and cannot be shutdown, therefore they must be installed by live insertion. The plant currently has only one discharge point into the distribution system, we would like to have a redundant feed (24" dia. piping) to give this redundancy.
Road enhancement	Town of Lake Hamilton	This project includes infrastructure improvements to all roads in Lake Hamilton, including adding storm drains, sidewalks, and paving. The main objective is to control the stormwater runoff which directly effects numerous water bodies. Lake Hamilton is home to 6 lakes which are designated as environmentally sensitive. The Town's goal is to protect and conserve all natural resources within the town, and this includes initiating stormwater treatment regulations. This program will work to achieve the Comprehensive Plan Goal of maintaining an effective drainage system and ensure proper management of the quantity and quality of stormwater runoff.

does not include \$6,827,979 (7.1%) in funding secured from other sources, leaving a state request of \$53,901,987 (54.5%) for FY 22-23 (Table C).

Project Evaluation Criteria and Prioritization

The top three projects listed in Table C (noted as Approved in the column titled “Priority Ranking”) are regionally the most important projects to the PRWC members. Two of these projects have been submitted to the water management districts and the Department of Environmental Protection for inclusion in the Central Florida Water Initiative (CFWI) Alternative Water Supply funding request to the legislature. The PRWC strongly support and urges the legislature to fund this request in its entirety.

In order to rank the projects for which state funding is being requested, the PRWC underwent an exercise which a) established a set of project criteria most important to each member government and the PRWC as a whole and b) scored each of the projects on those criteria. These two elements were used in combination to develop an overall project ranking.

The criteria selected by participating member government vote were:

- 1) Improvement of the environment
- 2) Protection of public health
- 3) Multiple water management benefits
- 4) Protection of existing infrastructure

Each of the projects were then scored for each of the 5 criteria using the justifications below:

- Protects public’s health
 - **HIGH** designations were given to potable water projects which improve on water quality or reliability of a potable supply.
 - **MEDIUM** designations were given to water quality improvements to the environment and water system expansions for growth.

Heartland Headwaters Protection and Sustainability Act Implementation
Table C - FY 2022-23 Project Cost and Rank

Priority Ranking*	Project Name	Member Government	Estimated Completion Date	Total Project Cost (All Years)	Total Project Cost (FY 22-23)	State Funding Requested (FY 22-23)	Local Gov. Funding (FY 22-23)	Other Funds (FY 22-23)
Approved	West Polk Lower Floridan Aquifer Project - Phase II	*PRWC / Lakeland	July 2027	\$ 225,222,000	\$ 8,258,140	\$ 2,752,713	\$ 2,752,713	\$ 917,571
Approved	Southeast Wellfield Lower Floridan Aquifer Project - Phase II	*PRWC / Polk County	July 2026	\$ 346,191,000	\$ 12,693,670	\$ 4,231,223	\$ 1,410,407.78	\$ 1,410,407.78
Subtotal for Projects Submitted to the CFWI				\$ 571,413,000	\$ 20,951,810	\$ 6,983,937	\$ 4,163,121	\$ 2,327,979
1	Lake Howard Watershed Treatment Enhancement	Winter Haven	2023	\$ 1,500,000	\$ 900,000	\$ 450,000	\$ 450,000	\$ -
1	Utility System Rehab	Auburndale	May 2023	\$ 500,000	\$ 500,000	\$ 250,000	\$ 250,000	\$ -
3	Peace Creek Water Preservation Project	Polk County	June 2023	\$ 22,000,000	\$ 10,000,000	\$ 3,000,000	\$ 7,000,000	\$ -
4	Water Treatment Plant Additional Lime Softening Unit Upgrade Project	Bartow	August 2024	\$ 2,750,000	\$ 1,375,000	\$ 687,500	\$ 687,500	\$ -
5	Sapphire Necklace Creation	Winter Haven	2024	\$ 3,500,000	\$ 500,000	\$ 250,000	\$ 250,000	\$ -
6	Headwaters of the Everglades - Water Quality and Wastewater	Polk County	June 2023	\$ 30,000,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ -
7	Septic to Sewer Program, Remediation Area 6A	Winter Haven	2025	\$ 40,000,000	\$ 4,000,000	\$ 1,500,000	\$ 1,500,000	\$ 1,000,000
8	Allred Wastewater Treatment Plant Filter Upgrade	Auburndale	May 2023	\$ 750,000	\$ 750,000	\$ 250,000	\$ 500,000	\$ -
9	Crooked Lake Wastewater Collection System Upgrades	Polk County	June 2025	\$ 1,661,000	\$ 166,100	\$ 83,050	\$ 83,050	\$ -
10	Road (and Drainage) Improvements	Lake Hamilton	September 2023	\$ 3,200,000	\$ 2,475,000	\$ 1,975,000	\$ 500,000	\$ -
10	Wastewater Treatment Plant Headworks Rehabilitation Project	Bartow	December 2022	\$ 500,000	\$ 450,000	\$ 225,000	\$ 225,000	\$ -
10	Wastewater Treatment Plant Solids Management Improvement Project	Bartow	June 2023	\$ 5,750,000	\$ 2,875,000	\$ 1,437,500	\$ 1,437,500	\$ -
10	Reclaimed-Winter Haven Preserve at Lake Ashton Reclaimed Water	Winter Haven	2024	\$ 2,820,000	\$ 1,820,000	\$ 910,000	\$ 910,000	\$ -
10	Water Resource Center	Winter Haven	2024	\$ 3,300,000	\$ 3,300,000	\$ 1,500,000	\$ 1,800,000	\$ -
10	Pollard Road Water Production Facility	Winter Haven	2024	\$ 10,000,000	\$ 3,500,000	\$ 1,750,000	\$ 1,750,000	\$ -
10	WWTP#3 Expansion	Winter Haven	2026	\$ 160,000,000	\$ 4,000,000	\$ 1,000,000	\$ 1,000,000	\$ 2,000,000
10	ASR Wellfield at WWTP#3	Winter Haven	2024	\$ 6,100,000	\$ 3,000,000	\$ 750,000	\$ 750,000	\$ 1,500,000
10	Lake May, Lake Shipp Restoration Phase 1	Winter Haven	2023	\$ 30,000,000	\$ 9,500,000	\$ 9,000,000	\$ 500,000	\$ -
10	ONE Water Peace Creek Development	Winter Haven	2025	\$ 43,000,000	\$ 5,000,000	\$ 2,500,000	\$ 2,500,000	\$ -
10	Low Impact Development Stormwater Enhancements	Winter Haven	2023	\$ 15,000,000	\$ 15,000,000	\$ 14,000,000	\$ 1,000,000	\$ -
10	Cypresswood Water Treatment Plant	Winter Haven	2024	\$ 13,000,000	\$ 6,500,000	\$ 3,250,000	\$ 3,250,000	\$ -
10	Water Treatment Plant Sodium Hypochlorite Conversion Project	Bartow	October 2022	\$ 225,000	\$ 200,000	\$ 25,000	\$ -	\$ -
10	Wastewater Treatment Plant Sodium Hypochlorite Conversion Project	Bartow	September 2022	\$ 125,000	\$ 75,000	\$ 50,000	\$ 25,000	\$ -
10	Water Treatment Plant Finished Water Control Valves and Discharge	Bartow	August 2023	\$ 375,000	\$ 325,000	\$ 275,000	\$ 50,000	\$ -
Subtotal for Non-CFWI Local Projects				\$ 396,056,000	\$ 78,011,100	\$ 46,918,050	\$ 28,218,050	\$ 4,500,000
TOTAL FOR ALL PRWC MEMBER PROJECTS				\$ 967,469,000	\$ 98,962,910	\$ 53,901,987	\$ 32,381,171	\$ 6,827,979
NOTES:				Total Project Cost (All Years)	Total Project Cost (FY 21-21)	State Funding Requested (FY 21-22)	Local Gov. Funding (FY 21-22)	Other Funds (FY 21-22)
Approved - These are the highest priority projects in the region and funding support for three of these projects is being sought through the Central Florida Water Initiative request submitted by DEP.								
NR - Indicates that these projects are being implemented by the identified local government using their own funds or other non-state matching funds.								
* In many cases, projects received equivalent scores so are ranked equally.								

- **LOW** designations were given to studies, wastewater operational improvements, reuse system extensions, and conservation projects.
- Protects infrastructure
 - **HIGH** designations were given to infrastructure reliability improvements which prevent major failure and flood protection construction projects.
 - **MEDIUM** designations were given to flood protection studies and infrastructure reliability improvements which prevent moderate failures or major systems.
 - **LOW** designations were given to sewer extensions, conservation projects, and water quality improvements.
- Improves the environment
 - **HIGH** designations were given to nutrient removal stormwater projects, sewer projects which take septic tanks offline, and energy conservation projects.
 - **MEDIUM** designations were given to reclaimed water offset and conservation projects.
 - **LOW** designations were given to studies, traditional potable water projects, and flood protection projects.
- Provides multiple water management benefits
 - **YES** designations were given to projects which fall into more than one water management category.
 - **NO** designations were given to projects which provide only one benefit. .
- Cost Effectiveness
 - Not enough project information was provided to accurately assess cost effectiveness, therefore this criteria was not assessed.

The scores were converted to a numerical value (1 is low, 2 is medium, 3 is high) and the voted weighting factors were applied to obtain a resulting project ranking. Table D summarizes how each project performed based on the above scoring justification.

Pursuant to the provisions of Sec. 373.463, F.S. and based on the methodology described herein, the member governments of the Polk Regional Water Cooperative respectfully submit the following list of projects for funding consideration during the 2021 Regular Session of the Florida Legislature:

Table D – Project Rankings

Ranking	Project Name	Member Government
Approved	West Polk Lower Floridan Aquifer Project - Phases I&II	*PRWC / Lakeland
Approved	Southeast Wellfield Lower Floridan Aquifer Project - Phase II	*PRWC / Polk County
1	Lake Howard Watershed Treatment Enhancement	Winter Haven
1	Utility System Rehab	Auburndale
3	Peace Creek Water Preservation Project	Polk County
4	Water Treatment Plant Additional Lime Softening Unit Upgrade Project	Bartow
5	Sapphire Necklace Creation	Winter Haven
6	Headwaters of the Everglades - Water Quality and Wastewater Treatment Project	Polk County
7	Septic to Sewer Program, Remediation Area 6A	Winter Haven
8	Allred Wastewater Treatment Plant Filter Upgrade	Auburndale
9	Crooked Lake Wastewater Collection System Upgrades	Polk County
10	Roadway (and Drainage) Improvements	Lake Hamilton
10	Wastewater Treatment Plant Headworks Rehabilitation Project	Bartow
10	Wastewater Treatment Plant Solids Management Improvement Project	Bartow
10	Winter Haven Preserve @ Lake Ashton Reclaimed Transmission	Winter Haven
10	Water Resource Center	Winter Haven
10	Pollard Road Water Production Facility	Winter Haven
10	WWTP#3 Expansion	Winter Haven
10	ASR Wellfield at WWTP#3	Winter Haven
10	Lake May, Lake Shipp Restoration Phase 1	Winter Haven
10	ONE Water Peace Creek Development	Winter Haven
10	Low Impact Development Stormwater Enhancements	Winter Haven
10	Cypresswood Water Treatment Plant	Winter Haven
10	Water Treatment Plant Sodium Hypochlorite Conversion Project	Bartow
10	WW Treatment Plant Sodium Hypochlorite Conversion Project	Bartow
10	Water Treatment Plant Finished Water Control Valves and Discharge Line Upgrade Project	Bartow

*In many cases, projects received equivalent scores so are ranked equally.

For the Fiscal Year Beginning July 1, 2022 and ending on June 30, 2023 the amount of state funding support required to implement these projects is \$53,901,987. Additional information on each of these projects can be found in Appendix A.

Appendix A

Member-government Project Forms



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Southeast Wellfield Final Design and Construction

APPLICANT

Agency Name: Polk Regional Water Cooperative

CONTACT

Name: Ryan Taylor **Title:** Executive Director

Email Address: ryantaylor@prwcwater.org

Mailing Address: 300 W. Church Street, Bartow FL 33831

Office Phone: (863) 534-6444

Mobile Phone: 8635000773

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied: 5 MGD

Project Description: Objectives, benefits, purpose, goals.

In partnership with the Southwest Florida Water Management District, the PRWC has completed a feasibility study which has considered 4 different alternative water supply approaches to meet the growing demands of the communities within Polk County. Alternative water supplies, including brackish and surface water supplies, diversify water consumptions away from the extensively-used upper Floridan aquifer system.

The Southeast Wellfield brackish water supply project has been identified as one project which could be implemented to meet the initial needs of the members within Polk County which cannot be met by traditional, upper Floridan supplies. A preliminary design report is now complete, and the PRWC is moving forward with the final design and construction of the Phase 1, 5 MGD reverse osmosis treatment facility, wellfield, and transmission system. Initial work requested under this application includes land acquisition (including any legal fees) for the test production well and property acquisition for the wells and transmission system.

Other member governments if a multi-jurisdictional project: Polk Regional Water Cooperative Participating Members and Associates (Polk County and Cities of Auburndale, Bartow, Davenport, Eagle Lake, Fort Meade, Haines City, Lake Alfred, Lake Wales, Lakeland, Mulberry, Winter Haven, Dundee, and the Town of Lake Hamilton).

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2026

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$346,191,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$12,693,670

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$4,231,223

Applicant's share of FY 2023 cost. \$4,231,223

Outside share of FY 2023 cost. \$4,231,223

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



**Polk Regional Water Cooperative
FY 2023 Water Project Form
(July 1, 2022 - June 30, 2023)**

BASIC INFORMATION

Project Name: West Polk Wellfield Final Design and Construction

APPLICANT

Agency Name: Polk Regional Water Cooperative

CONTACT

Name: Ryan Taylor **Title:** Executive Director

Email Address: ryantaylor@prwcwater.org

Mailing Address: 300 W. Church Street, Bartow FL 33831

Office Phone: (863) 534-6444 **Mobile Phone:** 8635000773

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied: 2.5

**Project Description:
Objectives, benefits,
purpose, goals.**

In partnership with the Southwest Florida Water Management District, the PRWC is completing a feasibility study which has considered 4 different alternative water supply approaches to meet the growing demands of the communities within Polk County. Alternative water supplies, including brackish and surface water supplies, diversify water consumptions away from the extensively-used upper Floridan aquifer system.

The West Polk Wellfield brackish water supply project has been identified as one project which could be implemented to meet needs of the members within Polk County which cannot be met by traditional, upper Floridan supplies. A preliminary design report is now complete, and the PRWC is moving forward with the final design and construction of the Phase 1, 2.5 MGD reverse osmosis treatment facility, wellfield, and transmission system. Initial work requested under this application include land acquisition (including any legal fees) for the test production well and propeerty acquisition for the wells and transmission system.

Other member governments if a multi-jurisdictional project:

Polk Regional Water Cooperative Participating Members and Associates (Polk County and Cities of Auburndale, Bartow, Eagle Lake, Haines City, Polk City, Lake Alfred, Lakeland, Mulberry, Winter Haven).

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2027

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$225,222,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$8,258,140

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$2,752,713

Applicant's share of FY 2023 cost. \$2,752,713

Outside share of FY 2023 cost. \$2,752,713

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Septic to Sewer Program, Remediation Area 6A

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard **Title:** Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th St SW; Winter Haven, FL 33880

Office Phone: 863-291-5853 **Mobile Phone:** 863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☒ Environmental Restoration

Gallons per day conserved/alternative water supplied: (+/-) 20,000 GPD

**Project Description:
Objectives, benefits,
purpose, goals.**

This is one of many projects being implemented under Winter Haven's One Water Master Plan (1WMP) with the goal of managing all aspects of water for the most economic, environmental and socially beneficial goals. The City of Winter Haven serves a population of approximately 74,675, including 36,970 water accounts. Of these accounts, 22,900 currently have sewer service and the remaining accounts (14,070) are on septic systems. Winter Haven is located in a high recharge zone for the Floridan Aquifer and within the Southern Water Use Caution Area hydrologically impaired region. Almost half of the 50 lakes in Winter Haven are on the impaired list for water quality partially due to septic tank loading. The City of Winter Haven completed its Septic to Sewer Master Plan in January 2021. The plan recommended priority areas to convert to sewer and evaluate quantities of wastewater that can be converted to water supply benefits (reuse irrigation as well as direct and indirect potable reuse) and improvements to lake water quality. The Septic to Sewer, Remediation Area 6A project will remove pollution discharges from septic tanks that currently enter the groundwater system, which impacts Lake Hartridge and drinking water aquifers. Expected benefits include improved lake water quality, new water supplies and improved water quality of the Upper Floridan Aquifer.

Other member governments if a multi-jurisdictional project:

Protecting Florida Together-FDEP Grant Application, submitted 8/28/2020

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: Phase 1-Remediation Area 6A - 2025

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$40,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$4,000,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$1,500,000

Applicant's share of FY 2023 cost. \$1,500,000

Outside share of FY 2023 cost. \$1,000,000

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Lake Howard Watershed Treatment Enhancement

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: M.J. Carnevale **Title:** Public Works Director

Email Address: MCarnevale@mywinterhaven.com

Mailing Address: 451 Third Street NW; Winter Haven, FL 33881

Office Phone: (863) 291-5260 **Mobile Phone:** (863) 229-6341

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☒ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied: N/A

Project Description: Objectives, benefits, purpose, goals.

This project will eliminate untreated stormwater from a 550-acre watershed that discharges into Lake Howard, which is one of 16 lakes that makes up the iconic Winter Haven Chain of Lakes. The proposed project will divert this stormwater flow into a constructed wetland treatment system. Construction of this green infrastructure project will provide improved capacity to handle stormwater flow during saturated conditions, treatment of stormwater prior to entering a TMDL impaired SWFWMD SWIM Priority Water Body, habitat enhancement for an urban area, and opportunity to expand recreational amenities.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2023

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$1,500,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$900,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$450,000

Applicant's share of FY 2023 cost. \$450,000

Outside share of FY 2023 cost. \$0.00

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Sapphire Necklace Creation

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard

Title: Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th St SW; Winter Haven, FL 33880

Office Phone: 863-291-5853

Mobile Phone: 863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water ☐ Wastewater ☐ Conservation
☐ Stormwater and Flood Control ☒ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

The Peace Creek Watershed Hydrologic Restoration Project is a regional stormwater infrastructure improvement and hydrologic restoration project located in the Southwest Florida Water Management District (SWFWMD), Peace Creek Drainage Canal Watershed in central Polk County. The project, which is based on modeling and analysis completed by the SWFWMD, consists of an interconnected system of enhanced surface water storage (lakes, flood plains and wetlands, canal conveyance and groundwater infiltration for reconfiguring the existing Peace Creek Drainage Canal and rebalancing the water budget of the watershed. The project will increase lake levels in the nine lake in the Northern Winter Haven Chain of Lakes to restore 47,940 feet of lost storage (15.6 billion gallons/43 million gallons per day (mgd), in the headwaters of the system. The project will restore approximately 10,000 acres of historic wetlands and up to 27,348 acre-feet of water storage (8.9 billion gallons or 24 mgd) for hydrologic/ecosystem restoration, including an estimated 5 mgd for the Peace River MFL at Bartow; 5 mgd for lakes not meeting their MFLs (lakes McLeod, Starr and Wales), and 14 mgd for natural system benefits and lake level enhancement in the 16 lakes in the Southern Winter Haven Chain of Lakes. Operated as a system, with the addition of operable water control structures for maintaining dynamic storage (not static storage such as a reservoir), the surface water storage areas would hold floodwaters to reduce flooding, and then release the water slowly downstream to increase base flow in the Peace Creek Drainage Canal and the Peace River during the driest times of the year, when water is most needed in the system. The Sapphire Necklace Creation project will create benefits for the Polk County Region, including the cities of Auburndale, Bartow, Dundee, Eagle Lake, Haines City, Lake Alfred, Lake Hamilton, Lake Wales and Winter Haven.

The overall PROJECT is a phased approach that will begin with the Peace Creek Watershed Hydrologic Restoration construction section of the project. This is a regional storm water infrastructure improvement and hydrologic restoration project located in the Southwest Florida Water Management District (SWFWMD), Peace Creek Drainage Canal Watershed in central Polk County. Phase 1 construction focuses on the Cypresswood area near the headwaters of the Peace Creek Canal from Dundee Road (SR542) to Cypress Gardens Blvd. Engagement with the current landowner of this section of the project has already begun, in tandem with a conceptual plan for how future development for the area can be a guide to resolve the continued threats of the region in terms on regional flooding, water quantity and quality degradation as well as habitat loss. This concept plan began in September 2021 and will finish in September 2022. Moving forward the request for phase 1 construction funds for FY 22/22 will be \$500,000 with an anticipated amount of 3,000,000 in FY 23/24.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations?

No

If so, when and how much?

N/A

Funding sources, if outside funding sought.

N/A

Estimated Completion Date:

2024

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

\$3,500,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions.

\$500,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023

\$250,000

Applicant's share of FY 2023 cost.

\$250,000

Outside share of FY 2023 cost.

\$0.00



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Reclaimed-Winter Haven Preserve at Lake Ashton Reclaimed Water Transmission

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard **Title:** Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th Street, SW Winter Haven, FL 33880

Office Phone: 863-291-5853 **Mobile Phone:**

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water	☐ Wastewater	☒ Conservation
☐ Stormwater and Flood Control	☐ Environmental Restoration	

Gallons per day conserved/alternative water supplied: 0.59 MGD

**Project Description:
Objectives, benefits,
purpose, goals.**

Description: Second & Final Year funding to complete an ongoing 1-A CFI Project (Q271) Lake Ashton Reclaimed Water Transmission Project for the construction and permitting of approximately 17,600 feet of reclaimed water transmission mains and other necessary appurtenances to construct a portion of a transmission loop to supply approximately 500 single family residential homes, common areas and medians and 2 golf courses in the southeast reuse portion of Winter Haven and to enable supply to future planned subdivisions.

Measurable Benefit: The contractual Measurable Benefit will be the supply and utilization of 0.590 million gallons per day (mgd) of reclaimed water for golf course and residential irrigation in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI). Construction will be done in accordance with the permitted plans.

Project Benefit: The benefit is the supply of 0.590 mgd of reclaimed water for irrigation customers for an anticipated 0.388 mgd of water savings in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI)

Other member governments if a multi-jurisdictional project:

Did this project receive previous State appropriations? Project (Q271) (first year, pending)

If so, when and how much? \$500,000

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2024

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$2,820,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$1,820,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$910,000

Applicant's share of FY 2023 cost. \$910,000

Outside share of FY 2023 cost. \$0.00

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name:

APPLICANT

Agency Name:

CONTACT

Name: Title:

Email Address:

Mailing Address:

Office Phone: Mobile Phone:

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water ☐ Wastewater ☒ Conservation
☐ Stormwater and Flood Control ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

As part of our One Water Master Plan initiative, it was identified that an educational component was necessary in the implementation portion of the plan. The Water Resource Center will serve as the establishment that connects the pieces of the One Water Master Plan. The Water Resource Center is a joint effort among Winter Haven Water, Natural Resources, and the Parks Recreation and Culture Departments to showcase how the basic needs of the community, the environment and economy are interconnected and can work together to create a community that will be sustainable for many years to come. This will be the example of how a community can create multi-benefits through collaborative and innovative approaches. This Center will feature educational exhibits that will tell the One Water story. An outdoor classroom experience, with real life examples of sustainable development. It will also include office spaces for City staff as well as volunteers that will advocate for the City's mission. The Water Resource Center will be a phased project. The feasibility study is nearly complete and should offer an idea of what City owned property would be the best location for the Center. The group anticipates moving forward with the design phase and ultimately construction will follow. 3 Million is currently budgeted for the Water Resource Center Project.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations?

If so, when and how much?

Funding sources, if outside funding sought.

Estimated Completion Date:

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions.

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023

Applicant's share of FY 2023 cost.

Outside share of FY 2023 cost.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Pollard Road Water Production Facility

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard **Title:** Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th St SW; Winter Haven, FL 33880

Office Phone: 863-291-5853 **Mobile Phone:** 863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

The area around Pollard Road, where the City owns land in conjunction with Wastewater Treatment Plant #3, will be a focal point for future water supplies for the region and City of Winter Haven. This area will serve as the receiving point for alternative water supplies from the Polk Regional Water Cooperative, generate up to 10 MGD of highly treated reuse water, serve as an alternative site for groundwater pumpage, distribute alternative sources of water from the PRWC to other communities (water wheeling) and is within one mile of the Peace Creek surface water system. Also, this plant will supply water to a growing industrial complex forming around the neighboring CSX Intermodal Transportation Facility. Atkins Engineers has completed 100% design plans for a new water plant at this site that includes a conventional 2.6 MGD water treatment plant, with two raw water wells, two 500,000 gallon above ground storage tank, and four high service pumps. Future expansion to the complex include Wastewater treatment Plant expansion, potable reuse and an ASR wellfield.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2024

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$10,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$3,500,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$1,750,000

Applicant's share of FY 2023 cost. \$1,750,000

Outside share of FY 2023 cost. \$0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: WWTP #3 Expansion

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard Title: Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th St SW; Winter Haven, FL 33880

Office Phone: 863-291-5853 Mobile Phone: 863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

The City of Winter Haven currently has two wastewater treatment plans: Plant #2 on the north side of Winter Haven and Plant #3 on the south side. These plants were constructed in the 1971 and 1975 respectively and are operating towards the end of their life expectancies. WWTP #3's current permitted capacity is 7.5 MGD and the planned expansion will bring the plant to 12 MGD. Another critical factor is that Winter Haven is located in the CFWI and Southern Water Use Caution Area because of limitations to traditional groundwater supplies and the effluent from WWTP #3 will be used as a drinking water source in the future. The proposed project will combine the flows from the two existing WWTPs, construct a new WWTP at the Pollard Road site where there is available land, and design the new plants to create a high quality reuse water product that can help meet future water demands. In preliminary communications with the Florida Department of Environmental Protection, the City will submit a grant request for 50% funding for the estimated \$160,000,000 cost of the project. This initial grant request is for \$1,000,000 the first year anticipated total cost of \$4,000,000 for the design and permitting of the project. Future requests will be submitted for and additional \$39,000,000 for the construction with a total estimated cost of \$160,000,000 over a two year construction timeline. The project will be completed in the fall of 2026.

**Other member
governments if a multi-
jurisdictional project:**

Florida Department Environmental Protection

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. \$80,000,000

Estimated Completion Date: 2026

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$160,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$4,000,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$1,000,000

Applicant's share of FY 2023 cost. \$1,000,000

Outside share of FY 2023 cost. \$2,000,000



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name:	ASR Wellfield at WWTP#3		
APPLICANT			
Agency Name:	City of Winter Haven		
CONTACT			
Name:	Mark W. Bombard	Title:	Assistant Director
Email Address:	mbombard@mywinterhaven.com		
Mailing Address:	401 6th St SW; Winter Haven, FL 33880		
Office Phone:	863-291-5853	Mobile Phone:	863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water	☐ Wastewater	☐ Conservation
☐ Stormwater and Flood Control	☐ Environmental Restoration	

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

This is one of many projects being implemented under Winter Haven's One Water Master Plan (1WMP) with the goal of managing all aspect of water for the most economic, environmental and socially beneficial water resource projects. The priority is to create multiple benefits for the required investment in water infrastructure. The Winter Haven area is the headwaters of the Peace River which flows to Charlotte Harbor. This area is designated as part of the Southern Water Use Caution Area (SWUCA) because of low lake levels, impaired water quality and river flows. The 1WMP will create green infrastructure projects to provide water supply, water quality, flooding and natural system restoration, while creating community waterfront amenities and encourage economic growth. The proposed project would construct new Aquifer Storage and Recovery (ASR) wells as recommended by an ASR Evaluation, Design and Permitting study, which is included in the City's budget beginning Oct. 2020. The water will be pumped from the Peace Creek during flood conditions, stored in the Lower Floridan Aquifer (LFA) and then be treated for multiple future uses. This project is consistent with the Peace Creek Integrated Plan as approved by the Polk Regional Water Cooperative. The Peace Creek system is flood sensitive. Flood waters will be pumped from Peace Creek near City-owned property, treated (if necessary), and recharged into the LFA. During drought or low water conditions, the water will be pumped from the LFA and used for a number of potential purposes, including water supply, reuse augmentation, wetland restoration, recharging the Upper Floridan Aquifer (UFA), lake level enhancement (Ridge Lake MFLs and others) and improvements to the Peace River MFL. This project meets the multiple benefits of the One Water Master Plan. The \$5.5M invested plays an integral role in the City's ability to provide the multiple benefits outlined and is only a portion of the significant investments needed long term in managing water in this vital headwaters region.

Other member governments if a multi-jurisdictional project:

Protecting Florida Together-FDEP Grant Application, submitted 8/28/2020

Did this project receive previous State appropriations?

No

If so, when and how much?

N/A

Funding sources, if outside funding sought.

\$2,750,000

Estimated Completion Date:

2024

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

\$6,100,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions.

\$3,000,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023

\$750,000

Applicant's share of FY 2023 cost.

\$750,000

Outside share of FY 2023 cost.

\$1,500,000



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Lake May, Lake Shipp Restoration Phase 1

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: M.J. Carnevale **Title:** Public Works Director

Email Address: MCarnevale@mywinterhaven.com

Mailing Address: 451 Third Street NW; Winter Haven, FL 33881

Office Phone: (863) 291-5260 **Mobile Phone:** (863) 229-6341

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☒ Environmental Restoration

Gallons per day conserved/alternative water supplied: N/A

Project Description: Objectives, benefits, purpose, goals.

Project will remove organic sediment from Lakes May and Shipp, part of Winter Haven's Chain of Lakes, a SWIM Priority Waterbody. Currently, the organic sediment on the bottom of these lakes is up to 12 feet thick and contributes to poor water quality. Both of these lakes are listed as impaired for water quality, largely due to these legacy sediments. The poor water quality from these lakes also impacts neighboring lakes on the Chain of Lakes. Removing sediments will also improve habitat for wildlife, enhance the fishery, and improve navigation on these important lakes. Both lakes have TMDL requirements that could be met with this project. Phase 1 targets 100,000 cubic yards of muck in Lake May.

Other member governments if a multi-jurisdictional project:

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2023

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$30,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$9,500,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$9,000,000

Applicant's share of FY 2023 cost. \$500,000

Outside share of FY 2023 cost. \$0.00

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: ONE Water Peace Creek Development

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard **Title:** Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th St SW; Winter Haven, FL 33880

Office Phone: 863-291-5853 **Mobile Phone:** 863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☒ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

As part of the Peace Creek Watershed Summary Report and Implementation Plan Cooperatively Funded by the City of Winter Haven and SWFWMD in 2016 (Project N564 and Agreement 15C00000101), a recommendation was made to "Identify and evaluate water storage and recharge opportunities throughout the (Peace Creek) Watershed, create a priority list of potential sites and acquire land using partnerships". This effort was deemed necessary since the Peace Creek watershed contains many of the Ridge Lakes not meeting MFLs and is also just upstream of the section of Peace River that is not meeting its MFL. This section of creek is also listed as an impaired waterbody. Storing water where possible in natural wetland areas that have been drained over the past 100 years is a green infrastructure priority. This approach meets multiple local and regional water resource management objectives as adopted by the SWFWMD SWUCA Recovery Plan, CFWI Water Supply Plan and the City of Winter Haven. It is also imperative that protection measures be put in place prior to the construction of the Southwest-Central Florida Connector toll road since the Peace Creek Watershed is at the headwaters of this project and the exceptional rate of growth that will be experienced once this road is constructed.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2025

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$43,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$5,000,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$2,500,000

Applicant's share of FY 2023 cost. \$2,500,000

Outside share of FY 2023 cost. \$0.00



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Low Impact Development Stormwater Enhancements

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: M.J. Carnevale **Title:** Public Works Director

Email Address: MCarnevale@mywinterhaven.com

Mailing Address: 451 Third Street NW; Winter Haven, FL 33881

Office Phone: (863) 291-5260 **Mobile Phone:** (863) 229-6341

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Stormwater and Flood Control
 ☐ Wastewater
 ☐ Environmental Restoration
 ☐ Conservation

Gallons per day conserved/alternative water supplied: N/A

**Project Description:
Objectives, benefits,
purpose, goals.**

The City of Winter Haven has a long history of constructing green infrastructure projects, including Low Impact Development stormwater projects such as raingardens and stormwater percolation systems. This construction project was recommended by a Stormwater Master Plan Study of the City which included Lidar, infrastructure inventorying, and ICPR4 hydraulic and hydrologic modeling. This report defined 6 priority areas in the community where constructing green infrastructure/LID projects could prevent nutrients from entering impaired water bodies (including the Chain of Lakes, which is a SWIM Priority Waterbody), improve aquifer recharge to provide regional hydrologic benefits in the Southern Water Use Caution Area hydrologically impaired region, improve flooding issues and add scenic, recreational and habitat valued to neighborhoods.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2023

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$15,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$15,000,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$14,000,000

Applicant's share of FY 2023 cost. \$1,000,000

Outside share of FY 2023 cost. \$0.00

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Cypresswood Water Treatment Plant

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard Title: Assistant Director

Email Address: mbombard@mywinterhaven.com

Mailing Address: 401 6th St SW; Winter Haven, FL 33880

Office Phone: 863-291-5853 Mobile Phone: 863-837-9726

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

The existing Cypresswood Water Treatment Plant was constructed in 1975 and is in need of replacement. The City of Winter Haven awarded a scope of work to Wright-Pierce Engineers on July 8, 2019 for the evaluation and design of the new plant. A representative of the neighboring neighborhood has requested that the plant be relocated and a new site has been acquired. Wright-Pierce has recommended that the amount of water available at this location should be increased for better protection of natural systems and increased efficiencies of eliminating smaller water plants. The recommendation is to proceed with the design and construction of a new 2.5 MGD Water Treatment Plant. Advantages of a new Cypresswood Water Treatment Plant include: possibly increasing the City's permitted capacity by acquiring golf course and orange grove irrigation permits as reuse lines are extended and residential development happens; providing a modern water processing and distribution center to the rapidly growing area; reducing stress to area lakes from other wells; reducing the number of small, outdated water treatment plants in east Winter Haven; and reducing overall maintenance costs. The proposed site design includes dedicated land for future reclaimed water direct and indirect potable recharge development.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: 2024

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$13,000,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$6,500,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$3,250,000

Applicant's share of FY 2023 cost. \$3,250,000

Outside share of FY 2023 cost. \$0.00



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Headwaters of the Everglades - Water Quality and Wastewater Treatment Project

APPLICANT

Agency Name: Polk County Parks & Natural Resources

CONTACT

Name: Tabitha Biehl **Title:** Land & Water Natural Areas Manager

Email Address: tabithabiehl@polk-county.net

Mailing Address: 4177 Ben Durrance Road Bartow, FL 33830

Office Phone: 863-534-7377 **Mobile Phone:** 863-899-8157

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☒ Wastewater
 ☐ Conservation
☒ Stormwater and Flood Control
 ☒ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

A priority for Polk County and its municipal partners is to manage infrastructure effectively and efficiently in this quickly urbanizing landscape. This proposal requests additional funding to address the demands and needs on the Kissimmee River Watershed in Polk County for improvement in water quality and increased wastewater treatment, while exploring the production of an alternate water supply. This project is collaborative approach between Polk County Utilities and Parks & Natural Resources to address the nutrient pollutant loads identified in the Headwaters of the Everglades contributing to declining water quality of Lake Okeechobee. Past studies in the Kissimmee Basin by South Florida Water Management District highlighted Polk County's contribution to nutrient loading in the watershed, Polk was one of the highest contributors. Additional work by Polk County has concluded in a wastewater master plan and a watershed assessment model. These studies have addressed the need and demand for an innovative and regional approach to address future wastewater development and improve water quality. This proposal aims to provide funding for a pilot voluntary septic to sewer conversion / septic maintenance program, a study to determine future needs of wastewater treatment in this quickly growing region, and an evaluation to utilize wastewater as an alternate water supply, in the Kissimmee Watershed in Polk County, which will reduce nutrient loading into the Kissimmee River and Lake Okeechobee.

Other member governments if a multi-jurisdictional project: This is a multi-jurisdictional project that could provide benefits to each of the cities along its geographic boundaries.

Did this project receive previous State appropriations? No

If so, when and how much?

Funding sources, if outside funding sought. Additional Funding Sources are being sought, but not secured at this time.

Estimated Completion Date: Jun-23

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$ 30,000,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$ 3,600,000.00

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$ 1,800,000.00

Applicant's share of FY 2023 cost. \$ 1,800,000.00

Outside share of FY 2023 cost. 0



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name:	Peace Creek Water Preservation Project		
APPLICANT			
Agency Name:	Polk County Parks & Natural Resources		
CONTACT			
Name:	Tabitha Biehl	Title:	Land & Water Natural Areas Manager
Email Address:	tabithabiehl@polk-county.net		
Mailing Address:	4177 Ben Durrance Road Bartow, FL 33830		
Office Phone:	863-534-7377	Mobile Phone:	863-899-8157

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water	☐ Wastewater	☐ Conservation
☒ Stormwater and Flood Control	☒ Environmental Restoration	

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

There are over 50 waterbodies in Polk County designated as impaired by the Florida Department of Environmental Protection (FDEP) because they do not meet their designated uses for swimmable, fishable, recreational uses in surface waters. The National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer (MS4) Permit (FLS000015) Part VIII of the MS4 permit requires permittees to prioritize and self-implement TMDLs not covered under an adopted Basin Management Action Plan (BMAP) or other restoration alternative plan (e.g., a Category 4e plan). In lieu of adopting additional TMDLs, Polk County and its co-permittees are working to propose alternative restoration plans (4e plan) for various waterbodies. The Environmental Protection Agency (EPA) approved 4e plans for Lake Eva, Hamilton Chain of Lakes, Lower Saddle Creek and Crystal Lake. The County and partners continue to develop 4e plans, to improve water quality in collaboration with the District and municipal partners as AWS needs are also addressed. The Polk Regional Water Cooperative (PRWC) is proposing surface water withdrawals and the ability of the natural system to reliably provide water supply while meeting MFLs and effectively treating the surface water. The Peace Watershed program further increases the reliability of flows by storing water under high flow conditions and improving water quality. The program approach provides nutrient removal and as well as timing and distribution of flow that is optimized for use at the future PRWC facility. Wetland restoration projects through the Peace Creek Watershed stabilize hydroperiods, provide water quality treatment, and increase the overall reliability of water. This is not a new approach or concept; the Lake Hancock Lake Level Modification Project is an example of this successful management approach. Other benefits include flood protection, conservation of natural systems, hydrologic restoration, and water storage. Water is a limited commodity, and protection of the water resources is a priority for Polk County. The proposed program balances competing needs for water. The first phase of this program is to implement feasibility studies, engineering and design, and acquisition of lands as identified in previously completed studies within the watershed. Engineering and design will involve treatment for Lake Eva, Hamilton Chain and Lower Saddle Creek, including retrofits, and treatment wetlands. This approach is essential in the phasing of this multi-jurisdictional projects. The program facilitates project partnerships projects to improve water quality and reduce the nutrient loading within the basin and improve Polk's water resources at a regional scale.

Other member governments if a multi-jurisdictional project:

This is a multi-jurisdictional project, as the Peace Creek water preservation project may provide benefits to each of the cities along its geographic boundaries. There are seven (7) municipalities that this project boundary may provide benefits to.

Did this project receive previous State appropriations?	No
If so, when and how much?	
Funding sources, if outside funding sought.	Additional Funding Sources are being sought, but not secured at this time.
Estimated Completion Date:	Jun-23

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).	\$ 22,000,000.00
Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); <u>must add up to the total of the following three questions.</u>	\$ 10,000,000.00
Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023	\$ 5,000,000.00
Applicant's share of FY 2023 cost.	\$ 5,000,000.00
Outside share of FY 2023 cost.	0



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Crooked Lake Wastewater Collection System Upgrades

APPLICANT

Agency Name: Polk County Utilities

CONTACT

Name: Tamara Richardson **Title:** Utilities Director

Email Address: tamararichardson@polk-county.net

Mailing Address: 1011 Jim Keene Blvd. Winter Haven, FL 33880

Office Phone: 863-298-4235 **Mobile Phone:**

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

Polk County Utilities (PCU) was named the receiver of the Crooked Lake Wastewater Treatment Facility (WWTF) and collection system, in March 2021. At this time, the system did not meet the current minimum regulatory standards set by the FDEP, leading to the need for upgrades to this system. The Crooked Lake WWTF and collection system is located near the northwestern shore of Crooked Lake in the College Park neighborhood, south of the City of Lake Wales. In 1987, Crooked Lake was designated as an Outstanding Florida Water by the Florida Legislature for its outstanding water quality. The Lake retains this designation still today. The county is currently constructing an \$830 thousand storm water quality improvement project to reduce pollutants entering the lake from untreated stormwater. This project represents a continuation of our efforts to improve the conditions along Crooked Lake by upgrading the collection system to protect against sanitary sewer overflows. From March 2021 to present, PCU has evaluated the collection system infrastructure by using TV inspections and has cleaned the collection system lines. PCU is currently working with a consultant team to evaluate the collection system to determine upgrades needed including assessing and replacing two (2) existing lift stations to meet current, minimum FDEP regulatory requirements. Future project goals include the abandonment and decommissioning of the current wastewater treatment facility, the design and construction of a third lift station and installation of approximately 4,500 linear feet of wastewater pipe to send the wastewater flows to the City of Lake Wales for treatment. PCU is requesting project funding for the permitting, design, and construction of three (3) lift stations and installation of approximately 4,500 linear feet of wastewater piping to facility transmission of the sewerage to the City of Lake Wales lift station located on HWY 27 at the Oakley Transportation Yard. Funding will also be requested for the decommissioning and abandonment of the Crooked Lake Wastewater Treatment Facility.

**Other member
governments if a multi-
jurisdictional project:**

Did this project receive previous State appropriations? No

If so, when and how much?

Funding sources, if outside funding sought.

Estimated Completion Date: Jun-25

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). 1,661,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. 166,100

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 83,050

Applicant's share of FY 2023 cost. 83,050

Outside share of FY 2023 cost.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Utility System Rehab

APPLICANT

Agency Name: City of Auburndale

CONTACT

Name: John Dickson **Title:** Director of Public Works

Email Address: jdickson@auburndalefl.com

Mailing Address: PO Box 186 Auburndale FL33823

Office Phone: 863 965 5511 **Mobile Phone:** 853 412 0259

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

This project involves the rehabilitation of the City's wastewater collection system and lift station in the Ider area of town. This system was constructed in 1955 and these improvements would have multiple benefits: they would reduce I&I for the sanitary system and minimize sanitary sewer overflows. One area of particular concern is the in the popular downtown City park area. These improvements would significantly reduce the risk of sanitary sewer spillage events and the risk to human health.

Other member governments if a multi-jurisdictional project:

Did this project receive previous State appropriations? No

If so, when and how much?

Funding sources, if outside funding sought.

Estimated Completion Date: May-23

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$500,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$500,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$250,000

Applicant's share of FY 2023 cost. \$250,000

Outside share of FY 2023 cost. \$0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Allred Wastewater Treatment Plant Filter Upgrade

APPLICANT

Agency Name: City of Auburndale

CONTACT

Name: John Dickson **Title:** Director of Public Works

Email Address: jdickson@auburndalefl.com

Mailing Address: PO Box 186 Auburndale FL33823

Office Phone: 863 965 5511 **Mobile Phone:** 853 412 0259

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

This project would involve improvements to the filter system at the Allread WWTF. By making these improvements, flow through the entire 1.4 MGD plant will be more consistent. This will improve efficiency of the UV Disinfection System, reducing electrical demands and increase reliability.

Other member governments if a multi-jurisdictional project:

Did this project receive previous State appropriations? No

If so, when and how much?

Funding sources, if outside funding sought.

Estimated Completion Date: May-23

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$750,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$750,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$250,000

Applicant's share of FY 2023 cost. \$500,000

Outside share of FY 2023 cost. \$0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Wastewater Treatment Plant Headworks Rehabilitation Project

APPLICANT

Agency Name: City of Bartow - Water and Wastewater Department

CONTACT

Name: Tony Mckenley **Title:** Water & Wastewater Director

Email Address: tmckenley@cityofbartow.net

Mailing Address: 2500 Highway 17 N, Bartow, FL 33830

Office Phone: 863-534-6862 **Mobile Phone:** 863-251-4360

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

Project Description: Objectives, benefits, purpose, goals.

Replacement of the existing mechanical screen. Addresses issues with large amounts of stringy material and debris bypassing the existing screen. Excessive rags have increased maintenance to unclog pumping equipment and have interfered with control instruments. The new screen will improve operation of the plant and extend the life of downstream equipment.

Other member governments if a multi-jurisdictional project: Polk County Utilities, City of Eagle Lakes

Did this project receive previous State appropriations? No

If so, when and how much?

Funding sources, if outside funding sought. SRF

Estimated Completion Date: Dec-22

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$500,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$450,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$225,000

Applicant's share of FY 2023 cost. \$225,000

Outside share of FY 2023 cost.

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Wastewater Treatment Plant Solids Management Improvement Project

APPLICANT

Agency Name: City of Bartow - Water and Wastewater Department

CONTACT

Name: Tony Mckenley **Title:** Water & Wastewater Director

Email Address: tmckenley@cityofbartow.net

Mailing Address: 2500 Highway 17 N, Bartow, FL 33830

Office Phone: 863-534-6862

Mobile Phone: 863-251-4360

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

Rehabilitation of aerobic digesters and equipment, conversion of existing clarifier to sludge storage, and addition of dewatering centrifuge. Expands capacity of existing facilities to produce Class B sludge. Currently, the plant relies on an outside sludge processing facility to meet the stabilization requirements. The solids improvements will minimize odor production and provide increased operational flexibility and reliability.

Other member governments if a multi-jurisdictional project:

Polk County Utilities, City of Eagle Lakes

Did this project receive previous State appropriations?

No

If so, when and how much?

N/A

Funding sources, if outside funding sought.

SRF

Estimated Completion Date:

Jun-23

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

\$5,750,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions.

\$2,875,000.00

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023

\$1,437,500

Applicant's share of FY 2023 cost.

\$1,437,500.00

Outside share of FY 2023 cost.

0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Water Treatment Plant Additional Lime Softening Unit Upgrade Project

APPLICANT

Agency Name: City of Bartow - Water and Wastewater Department

CONTACT

Name: Tony McKenley

Title: Water & Wastewater Director

Email Address: tmckenley@cityofbartow.net

Mailing Address: 2500 Highway 17 N, Bartow, Florida, 33830

Office Phone: 863-534-6862

Mobile Phone: 863-251-4360

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

The City of Bartow (City) owns and operates a Lime Softening Water Treatment Plant (WTP) that supplies water to the City's water service area. The plant is rated for a maximum day capacity of 8.75 million gallons per day (MGD) and includes one (1) 8.75 MGD inverted cone shaped lime softening unit. The existing lime softening unit was constructed in 2002 and has not been taken out of service for maintenance or cleaning to date. Due to lime scaling, lime softening units require maintenance over time not to limit performance of the units or the ability to remove the lime sludge buildup. In order to allow the City to take the existing lime softening unit off-line for maintenance, the City has decided to add a second lime softening unit for redundancy and reliability and has requested Tetra- Tech provide a proposal for professional surveying and engineering services associated with the design, permitting, bidding, and construction services required to a second lime softening unit and associated piping, electrical and controls. The second lime softening unit will also provide redundancy which will reduce the risk of a major failure which would otherwise result in a complete plant shut-down.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations?

No

If so, when and how much?

N/A

Funding sources, if outside funding sought.

TBD

Estimated Completion Date:

Aug-24

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

\$2,750,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions.

\$1,375,000.00

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023

\$687,500.00

Applicant's share of FY 2023 cost.

\$687,500.00

Outside share of FY 2023 cost.

0



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Water Treatment Plant Sodium Hypochlorite Conversion Project

APPLICANT

Agency Name: City of Bartow - Water and Wastewater Department

CONTACT

Name: Tony Mckenley **Title:** Water & Wastewater Director

Email Address: tmckenley@cityofbartow.net

Mailing Address: 2500 Highway 17 N, Bartow, FL 33830

Office Phone: 863-534-6862 **Mobile Phone:** 863-251-4360

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

Project Description:
Objectives, benefits, purpose, goals.

Conversion of the disinfection system from gas chlorine to sodium hypochlorite. Using sodium hypochlorite will reduce the risk of exposure of plant staff. Chlorine gas is increasingly becoming scarce commodity. Recent increases in gas pricing, makes this conversion a necessity. The improvements will also bring the chlorination system into compliance with the latest OSHA regulations.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. N/A

Estimated Completion Date: Oct-22

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$225,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$200,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$25,000

Applicant's share of FY 2023 cost. 0

Outside share of FY 2023 cost. 0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Wastewater Treatment Plant Sodium Hypochlorite Conversion Project

APPLICANT

Agency Name: City of Bartow - Water and Wastewater Department

CONTACT

Name: Tony McKenley

Title: Water & Wastewater Director

Email Address: tmckenley@cityofbartow.net

Mailing Address: 2500 Highway 17 N, bartow, Florida, 33830

Office Phone: 863-534-6862

Mobile Phone: 863-251-4360

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☒ Wastewater
 ☐ Conservation
☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

Conversion of the disinfection system from gas chlorine to sodium hypochlorite. Using sodium hypochlorite will reduce the risk of exposure of plant staff and nearby public facilities to potentially toxic chemicals in the event of an unexpected release. The improvements will bring the chlorination system into compliance with the latest OSHA regulations.

**Other member
governments if a multi-
jurisdictional project:**

Polk County Utilities, City of Eagle Lakes

Did this project receive previous State appropriations?

No

If so, when and how much?

N/A

Funding sources, if outside funding sought.

SRF

Estimated Completion Date:

Sep-22

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

\$125,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions.

\$75,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023

\$50,000

Applicant's share of FY 2023 cost.

\$25,000

Outside share of FY 2023 cost.

\$0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative
FY 2023 Water Project Form
 (July 1, 2022 - June 30, 2023)

BASIC INFORMATION

Project Name: Water Treatment Plant Finished Water Control Valves and Discharge Line Upgrade Project

APPLICANT

Agency Name: City of Bartow - Water and Wastewater Department

CONTACT

Name: Tony McKenley **Title:** Water & Wastewater Director

Email Address: tmckenley@cityofbartow.net

Mailing Address: 2500 Highway 17 N, Bartow, Florida, 33830

Office Phone: 863-534-6862 **Mobile Phone:** 863-251-4360

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☒ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☐ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

The City of Bartow (City) owns and operates a Water Treatment Plant (WTP) that supplies water to the City's water service area. The WTP consists of four (4) Upper Floridan wells. The existing piping system is missing (2) 30" dia valves that are critical in controlling the pipe system configuration. The 30" lines that these valves need to be inserted on are live lines and cannot be shutdown, therefore they must be installed by live insertion. The plant currently has only one discharge point into the distribution system, we would like to have a redundant feed (24" dia. piping) to give this redundancy.

Other member governments if a multi-jurisdictional project:

N/A

Did this project receive previous State appropriations? No

If so, when and how much? N/A

Funding sources, if outside funding sought. TBD

Estimated Completion Date: Aug-23

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$375,000.00

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2023); must add up to the total of the following three questions. \$325,000

Portion of FY 2023 cost requested from State Legislature, July 1, 2022 - June 30, 2023 \$275,000.00

Applicant's share of FY 2023 cost. \$50,000

Outside share of FY 2023 cost. 0

Note that failure to complete this form in its entirety will result in a forfeiture of scoring. The project will be included in the Annual Heartland Report, but will not be ranked for funding consideration.



Polk Regional Water Cooperative FY 2022 Water Project Form

BASIC INFORMATION

Project Name: Town of Lake Hamilton - Road enhancement

APPLICANT

Agency Name: Town of Lake Hamilton

CONTACT

Name: Doug Leonard **Title:** Community Development

Email Address: planner@townoflakehamilton.com

Mailing Address: PO Box 126, Lake Hamilton FL 33851

Office Phone: (863) 439-1910 **Mobile Phone:**

PROJECT INFORMATION

Project Type (please choose the one that best describes the project):

☐ Drinking Water
 ☐ Wastewater
 ☐ Conservation
 ☒ Stormwater and Flood Control
 ☐ Environmental Restoration

Gallons per day conserved/alternative water supplied:

**Project Description:
Objectives, benefits,
purpose, goals.**

Project includes infrastructure improvements to all the roads in Lake Hamilton, to include adding storm drains, sidewalks and paving. The main objective is to control the stormwater runoff which directly effects numerous water bodies. Lake Hamilton is home to 6 lakes which are designated as environmentally sensitive lands in the 2030 Comp Plan. The Town's goal is to protect and conserve all natural resources within the town which includes initiating stormwater treatment regulations. The town's Infrastructure element of the 2030 Comp Plan, Goal 3 is to achieve and maintain an effective drainage system within the town to ensure the proper management of the quantity and quality of stormwater runoff. Also it will help to alleviate flooding and washout on streets during and after a storm event to ensure safe vehicular traffic flow. This project is listed on the Polk County 2020 Multi-Jurisdictions LMS mitigation action plan.

**Other member
governments if a multi-
jurisdictional project:**

Polk county and State of Florida as the town of Lake Hamilton Main Street is used for a detour during times that Highway 27 and SR 17 are closed due to emergency. All, as Lake Hamilton has 6 Lakes and addressing the stormwater run off will help improve the quality of the lakes.

Funding sources, if outside funding sought. Town gas tax reserve

Estimated Completion Date: 9/30/2023

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).

\$3,200,000

Portion of total project cost which occurs from July 1, 2022 - June 30, 2023 (FY 2022); must add up to the total of the following three questions.

\$2,475,000

Portion of FY 2022 cost requested from State Legislature, July 1, 2022 - June 30, 2023

\$1,975,000

Applicant's share of FY 2022 cost.

\$500,000

Outside share of FY 2022 cost.

0

November 17, 2021 Polk Regional Water Cooperative Regular Meeting
Agenda Item #4

SUBJECT

Resolution No. 2021-04 - Amended TEC and Cost Share Table in the Combined Projects Implementation Agreement (ACTION ITEM)

DESCRIPTION

The Combined Projects Implementation Agreement established a Total Estimated Cost (TEC) of Twenty-Three Million Dollars (\$23,000,000) for Phase 1 of the Combined Projects. The Cooperative entered into Funding Agreements with the Southwest Water Management District (SWFWMD) to pay up to fifty (50%) percent of the TEC or approximately Eleven Million Five Hundred Thousand Dollars (\$11,500,000.00). The Combined Projects Participants were responsible for paying their share of the remaining \$11,500,000 according to the cost share table contained in Section 8.5.1 of the Combined Projects Implementation Agreement.

Costs in the amount of Two Hundred and Eighty-Four Thousand Four Hundred and Eighty-Two Dollars and 21 cents (\$284,482.21) were incurred in implementing the Phase 1 of the Combined Projects, which were not reimbursable by SWFWMD and which exceed the Combined Projects Participants local share of the TEC. This resolution

This resolution increases the TEC by \$284,482.21 and authorizes the payment of these costs and Cost Share Table in Section 8.5.1 of the Combined Projects Implementation Agreement would be revised to reflect the updated cost share for each Combined Project Participant.

RECOMMENDATION

Staff recommends approval of Resolution No. 2021-04.

FISCAL IMPACT

Detailed in Resolution No. 2021-04, Exhibits A & B

POLK REGIONAL WATER COOPERATIVE**Resolution 2021-04****RESOLUTION APPROVING AMENDED TEC AND COST SHARE TABLE
IN THE COMBINED PROJECTS IMPLEMENTATION AGREEMENT**

The Polk Regional Water Cooperative ("Cooperative"), created pursuant to Section 373.713, Florida Statutes, and Interlocal Agreement pursuant to Section 163.01, Florida Statutes, in lawful session and in regular order of business properly presented, finds that:

WHEREAS, in 2017 the Cooperative, the City of Auburndale, the City of Bartow, City of Davenport, City of Eagle Lake, City of Fort Meade, City of Frostproof, the City of Haines City, the City of Lake Alfred, City of Lakeland, City of Lake Wales, City of Mulberry, Polk City, City of Winter Haven, Town of Dundee, Town of Lake Hamilton and Polk County entered into the Combined Projects Implementation Agreement, with an effective date of May 1, 2017; and

WHEREAS, the Combined Projects Implementation Agreement established a Total Estimated Cost (TEC) of Twenty-Three Million Dollars (\$23,000,000.00) for Phase 1 of the Combined Projects; and

WHEREAS, the Cooperative entered into Funding Agreements with the Southwest Florida Water Management District (SWFWMD) to pay up to fifty (50%) percent of the TEC or approximately Eleven Million Five Hundred Thousand Dollars (\$11,500,000.00); and

WHEREAS, the Combined Project Participants were responsible for paying their share of the remaining Eleven Million Five Hundred Thousand Dollars (\$11,500,000.00) according to the Cost Share Table contained in Section 8.5.1 of the Combined Projects Implementation Agreement; and

WHEREAS, costs in the amount of Two Hundred and Eighty Four Thousand Four Hundred and Eighty-Two Dollars and 21 Cents (\$284,482.21), as set forth in **Exhibit A**, were incurred in implementing the Phase 1 of the Combined Projects, which are not reimbursable by SWFWMD and which exceed the Combined Projects Participants local share of the TEC; and

WHEREAS, the TEC needs to be increased by Two Hundred and Eighty Four Thousand Four Hundred and Eighty-Two Dollars and 21 Cents (\$284,482.21) to authorize payment of these costs and Cost Share Table in Section 8.5.1 of the Combined Projects Implementation Agreement needs to be revised to reflect the updated cost share for each Combined Project Participant; and

WHEREAS, the Cost Share Table needs to be updated to reflect that the City of Frostproof did not execute the Combined Projects implementation Agreement and needs to be removed from the Cost Share Table;

WHEREAS, Section 8.5.2 of the Combined Projects Implementation Agreement authorizes the Combined Projects to amend the TEC and by implication the Cost Share Table.

NOW, THEREFORE, BE IT RESOLVED:

Section 1. The Cooperative Combined Projects Board does hereby approve an amended TEC to reflect an additional amount of Two Hundred Eighty Four Thousand Four Hundred Eighty Two Dollars and 21 cents (\$284,482.21), for a total of Twenty-Three Million One Hundred Ninety Thousand Four Hundred and Eighty Three Dollars and 19 cents (\$23,190,483.19) and a new Cost Share Table replacing the one currently contained in the Combined Projects Implementation Agreement, as set forth in **Exhibit B**.

DONE at Winter Haven, Florida this 17th day of November, 2021

Project Board of the Polk Regional Water Cooperative:

Mayor Eugene Fultz
Chair

Mayor William "Bill" Mutz
Secretary/Treasurer

Approved as to Form:

Edward P. de la Parte
Legal Counsel

Exhibit A - Previously-Incurred Expense Detail

Category	Expense	Description
Professional/Contract Services*	\$12,769.03	Professional services incurred while implementing combined projects.
Line of Credit Interest & Fees *	\$75,028.32	Expenses incurred on the Wells Fargo line of credit.
Legal Fees*	\$231,750.83	Legal fees incurred while implementing combined projects.
Supplies/Other*	\$2,122.12	Bank checks and closing costs.
Easements	\$53,167.00	West Polk aquifer performance test drainage easements.
<i>Less that portion included under Heartland</i>		
<i>Appropriation</i>	<i>-\$90,355.09</i>	<i>Agreement LPA0131</i>
Total, Past Expenses	\$284,482.21	

*Ongoing costs. Future costs to be incorporated into implementation agreement budgets.

Exhibit B - Combined Projects Implementation Agreement
PROPOSED COST SHARE TABLE

Combined Projects Participants	Combined Projects Agreement Cost Share %	Current Cost Share Dollars*	Proposed Project Agreement Cost Share %	Frostproof Reconciliation	Previously Incurred Expenses	Proposed Cost Share Dollars
Auburndale	7.08%	\$1,627,661.00	7.11%	\$1,627,661.00	\$20,214.82	\$1,647,875.82
Bartow	6.93%	\$1,593,031.00	6.95%	\$1,593,031.00	\$19,784.73	\$1,612,815.73
Davenport	0.92%	\$212,734.00	0.93%	\$212,734.00	\$2,642.06	\$215,376.06
Dundee	2.24%	\$514,519.00	2.25%	\$514,519.00	\$6,390.09	\$520,909.09
Eagle Lake	1.33%	\$306,733.00	1.34%	\$306,733.00	\$3,809.48	\$310,542.48
Fort Meade	0.56%	\$128,630.00	0.56%	\$128,630.00	\$1,597.53	\$130,227.53
Frostproof	0.41%	\$93,999.00	0.00%	\$93,999.00	\$0.00	\$93,999.00
Haines City	5.14%	\$1,182,405.00	5.16%	\$1,182,405.00	\$14,684.94	\$1,197,089.94
Lake Alfred	1.70%	\$390,837.00	1.71%	\$390,837.00	\$4,854.02	\$395,691.02
Lake Hamilton	0.04%	\$9,895.00	0.04%	\$9,895.00	\$122.89	\$10,017.89
Lakeland	25.02%	\$5,753,710.00	25.12%	\$5,753,710.00	\$71,458.48	\$5,825,168.48
Lake Wales	4.07%	\$935,040.00	4.08%	\$935,040.00	\$11,612.77	\$946,652.77
Mulberry	0.77%	\$178,103.00	0.78%	\$178,103.00	\$2,211.96	\$180,314.96
Polk City	1.68%	\$385,889.00	1.68%	\$385,889.00	\$4,792.57	\$390,681.57
Polk County	32.58%	\$7,495,159.86	32.72%	\$7,495,159.86	\$93,086.51	\$7,588,246.37
Winter Haven	9.53%	\$2,191,654.12	9.57%	\$2,191,654.12	\$27,219.36	\$2,218,873.48
Totals	100.00%	\$22,999,999.98	100.00%	\$22,906,000.98	\$284,482.21	\$23,284,482.19

* Combined project implementation agreement rounds the total to \$23,000,000.00.

November 17, 2021 Polk Regional Water Cooperative Regular Meeting
Agenda Item #5

SUBJECT

Southeast Wellfield - Test Production Well #3 - Well Driller Procurement (ACTION ITEM)

DESCRIPTION

During the September 15, 2021 Board Meeting the Combined Projects Board authorized the Executive Director to execute a change order with TeamOne for an up to \$113,000 (\$56,500 PRWC portion) to initiate the design on Test Production Well #3.

The Southwest Wellfield project has two (2) test production wells constructed. One is located at the southern end of the wellfield and the other is located at the water production facility site (northern). There is a significant water quality difference between these wells. A third test production well was requested during the third-party review to collect additional water quality and quantity data in the middle of the wellfield alignment.

The estimated costs of this additional test production well is \$4,125,000 (\$2,062,500 PRWC portion). This project estimate does not include land costs of \$25,000 which would be solely the Cooperative's responsibility. The Cooperative's portion of the estimated project cost would be \$2,087,500.

Staff has begun working on procurement documents for advertisement. If authorized to procure a well driller, the advertisement would be posted January 2022 with a recommendation brought to the Board for approval at the March 2022 Board meeting. We would anticipate work to begin in May 2022 and completion to be in May 2023.

The action before the Board is to authorize Staff to publish an advertisement for a qualified driller to complete referenced test well.

RECOMMENDATION

Staff requests authorization to publish an advertisement for a qualified driller to complete test production well #3.

FISCAL IMPACT

N/A



PRWC BOI

Test Production Well #3 Driller Procurement

November

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Agenda

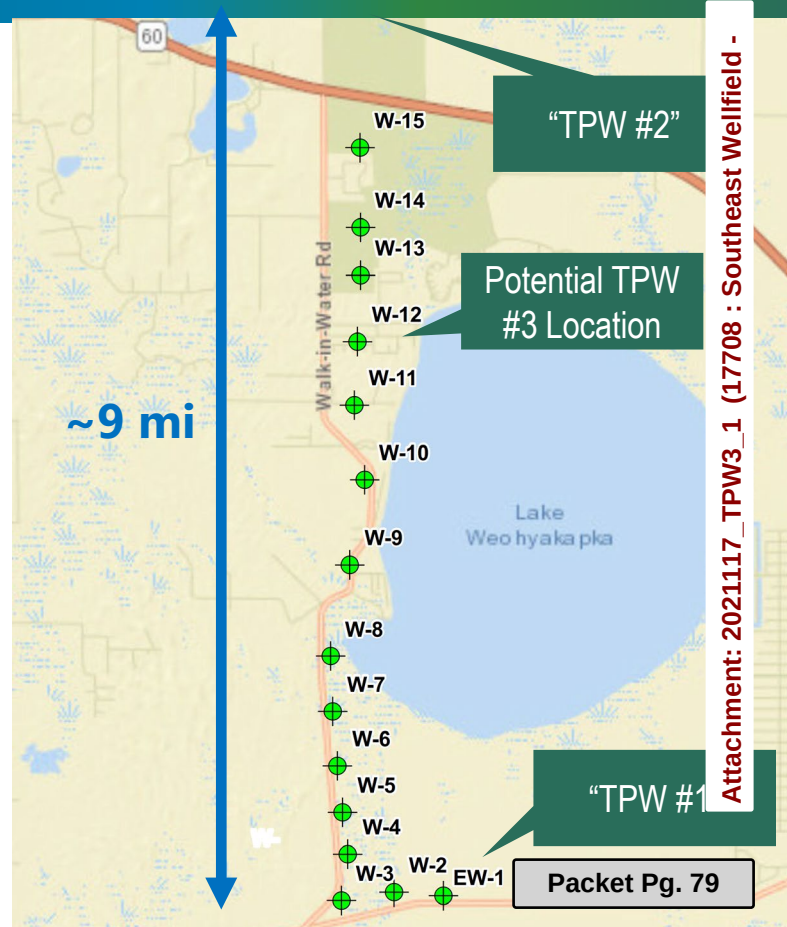
G.5.a

- Purpose of the test well
- Cost estimate
- Timeline
- Action item

Purpose of Southeast Test Well

G.5.a

- Significant water quality difference between DEW-1 (2009) and TPW-1 (2019)
- SE PDR indicates that southern-most wells could be used for alignment
- TPW #3 was requested during SWFWMD third party review to collect additional water quality and well production data mid-alignment (i.e. confirm design assumptions)



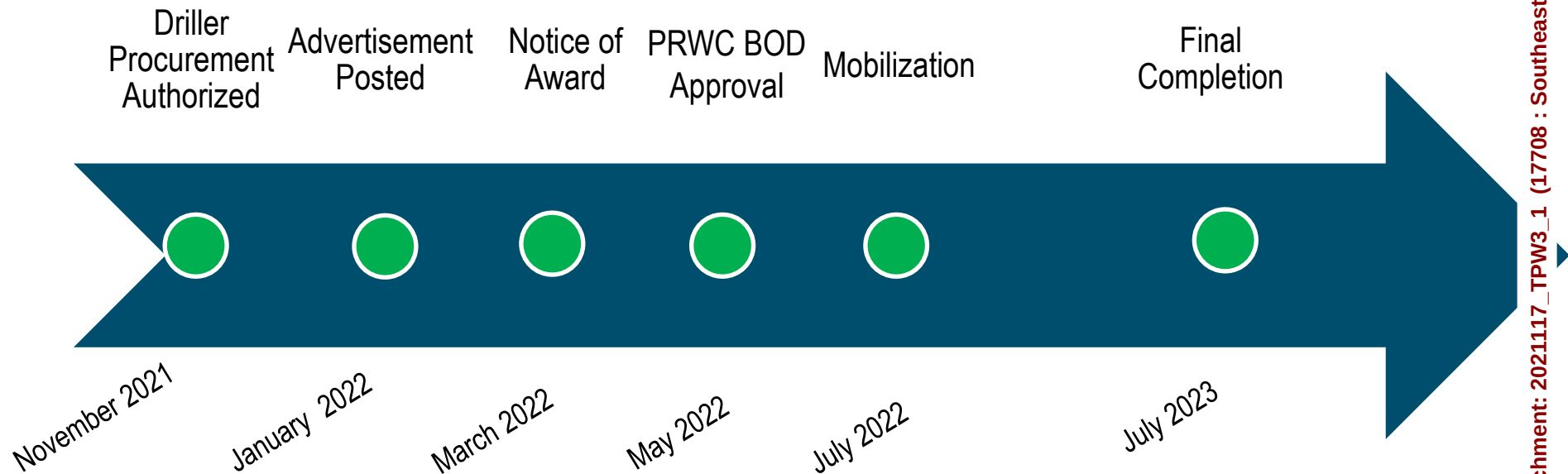
- District to co-fund 50% of engineering, construction, and administration
- PRWC to pay 100% land cost
- Breakdown of well:

Element	Cost	PRWC Portion
Construction and Contingency Costs	\$ 3,301,990	\$ 1,650,995
Program Administration	\$ 33,010	\$ 16,505
Construction and Contingency Costs	\$ 675,000	\$ 337,500
Engineering	\$ 115,000	\$ 57,500
Total Project Cost (without land)	\$ 4,125,000	\$ 2,062,500
Estimated Land Costs*	\$ 25,000	\$ 25,000
Total Project Cost (with land)	\$ 4,150,000	\$ 2,087,500

*Does not include potential added cost for easement acquisition for discharge during pump test.

Timeline

G.5.a



Attachment: 2021117_TPW3_1 (17708 : Southeast Wellfield -

Staff requests authorization to advertise for competitive bids from qualified well drillers to construct Test Production Well #3.

November 17, 2021 Polk Regional Water Cooperative Regular Meeting
Agenda Item #6

SUBJECT

Financing and Revenue Review (INFORMATION ITEM)

DESCRIPTION

This presentation will provide an overview of suggested modifications to the project implementation agreements necessary to increase project surety and optimize state funding and will offer suggestions for member revenue options.

RECOMMENDATION

Information only.



Polk Regional Water Cooperative

Financing and Revenue Review

November

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Agenda

- Cost Overview
- Potential Implementation Agreement Adjustments
 - Final confirmation of quantities and projects
 - Easement acquisition prior to 60%
 - 60% off ramp
- Revenue Options



AWS is more Costly to Produce

- Alternative water supplies (surface, reclaimed, brackish) require more treatment.
- Additional treatment is more costly.
- Conservation can defer costly investment.
- **Regional collaboration is helping to lower costs.**

Regional Strength

Regional agency =
funding leverage

Regional cooperation +
participation strengthens
loan and grant opportunities

G.6.a

In 3 years, State of Florida will
have funneled \$20M to PRW
– more than all its member
governments have received
over the last 10 years in
appropriations!

Attachment: 20211117_BOD (002) (17709 : Implementation

Updated Southeast Wellfield Cost

G.6.a

Utility	SE PDR Assumption (2045 Allocation)	2045 Buildout Cost, GRANT (As presented in Feb, 2021)	60% Design Assumption* (As presented at August TAC)	60% Design Assumption* Allocation	Phase 1 - GRANT Cost (Updated with PDR)
Auburndale	N/A	N/A	1.65	13%	\$ 23,627,923
Bartow	0.72	\$ 9,761,266	0.36	3%	\$ 5,155,183
Eagle Lake - Associate	0.86	\$ 11,659,290	0.00	0%	\$ -
Polk County (Fort Meade Associate)	0	\$ -	0.00	0%	\$ -
Polk County (Mulberry Associate)	0.29	\$ 3,931,621	0.29	2%	\$ 4,152,786
Polk County (Davenport Associate)	1.06	\$ 14,370,753	1.06	8%	\$ 15,179,150
Polk County (Lake Hamilton Associate)	0.5	\$ 6,778,657	0.50	4%	\$ 7,159,977
Dundee	0.47	\$ 6,371,938	0.47	4%	\$ 6,730,378
Lake Alfred	0.43	\$ 5,829,645	0.43	3%	\$ 6,157,580
Polk County (Haines City Associate)	2.42	\$ 32,808,700	2.42	19%	\$ 34,654,287
Winter Haven	1.52	\$ 20,607,118	1.52	12%	\$ 21,766,329
Polk County (Lake Wales Associate)	0.73	\$ 9,896,839	0.73	6%	\$ 10,453,566
Polk County (CR, SW, NE, SE, ERUSAs)	3.38	\$ 45,823,722	3.40	27%	\$ 48,687,841
Total	12.38	\$ 167,839,549	12.83	100%	\$ 183,183,183

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SE + WP Cost Breakdown

Source	Proposed
WIFIA	\$227,107,482
SWFWMD	\$218,108,500
SRF	\$18,268,675
Bank Note	\$3,552,937
State Appropriations (AWS Funds)	\$11,700,000
Heartland Funds	\$1,441,342
Total	\$480,178,937

SOUTHEAST (5 mgd)

- Phase 1 WPF+Transm. Construction – 60%
- Land: 4%
- Design+Administration+Constr. Eng. – 8%

WEST POLK (2.5 MGD)

- Phase 1 WPF + Transm. Construction – 23%
- Land: 1.4%
- Design+Administration+Constr. Eng. – 3%

Implementation Agreement

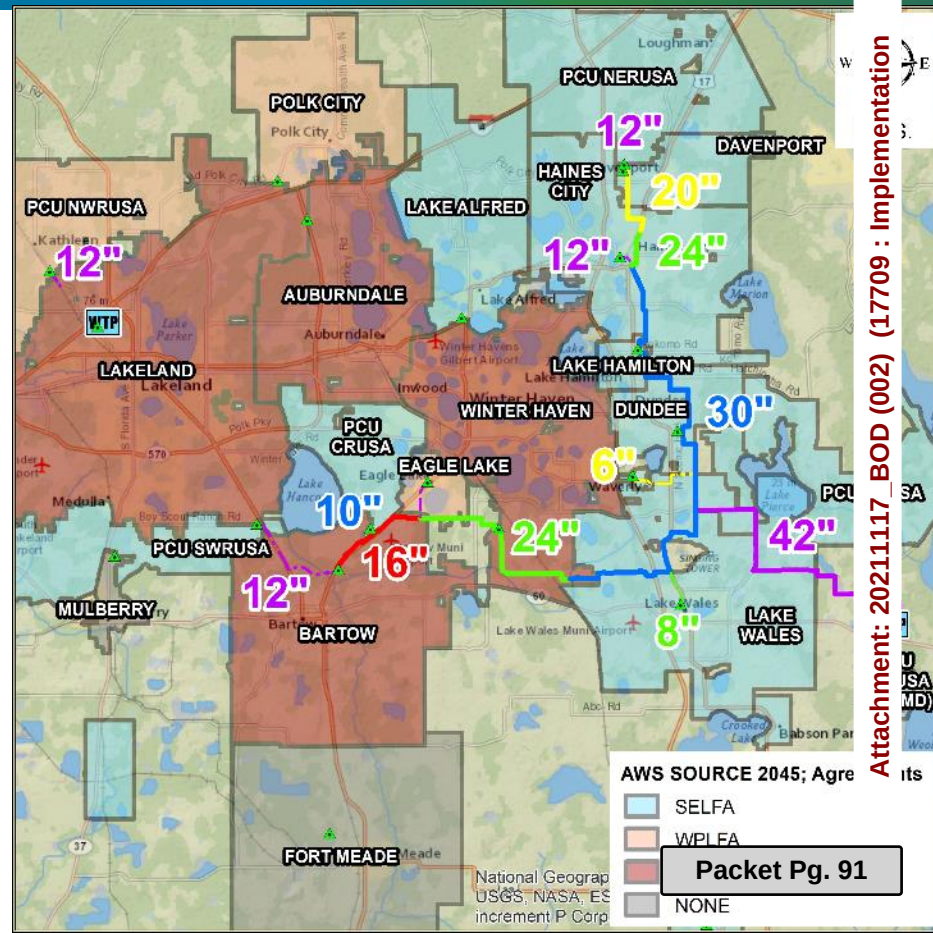
Potential Adjustments

- Confirm final quantities
- Authorize early easement acquisition to optimize state funds.
- Address 60% off-ramp

IA Quantities

G.6.a

UTILITY	2045 WPLFA AWS Agreement (MGD)	2045 SELFA AWS Agreement (MGD)
Auburndale	0.10	1.65
Bartow	0.36	0.36
Davenport	-	Proj. Assoc.
Dundee	-	0.47
Eagle Lake	0.20	Proj. Assoc.
Fort Meade	-	Proj. Assoc.
Haines City	-	Proj. Assoc.
Lake Alfred	-	0.43
Lake Hamilton	-	Proj. Assoc.
Lake Wales	-	Proj. Assoc.
Lakeland	6.31	0.10
Mulberry	-	Proj. Assoc.
PCU - CRUSA	-	0.39
PCU - ERUSA	-	0.23
PCU - NERUSA	-	2.02
PCU - NWRUSA	0.98	-
PCU - SERUSA	-	0.07
PCU - SWRUSA	-	0.69
Polk City	0.03	Proj. Assoc.
Winter Haven	0.10	1.52
TOTAL	8.08	7.93



- Implementation agreement Section 8.2 indicates that real property shall be acquired after 60% design is complete.
- Property acquisition prior to 60% design can be beneficial; may be critical to the schedule:
 - Legal access is require to perform environmental assessments that may influence design.
 - Heartland funding, if obtained, can be applied to land acquisition.
 - Acquisition is one of the longest-lead time elements of the program.

- Credit Rating Assessment
 - Required for loan.
 - Integrated assessment contains a blended rating of PRWC members.
 - **On hold until modifications to IA determined.**

S&P Global
Ratings

- PRWC & U.S. Environmental Protection Agency (EPA) Discussions
 - Concerns raised with the Implementation Agreements (IA) to meet financing requirement.
 - Major elements to be addressed for IAs:
 - PRWC Board not a member of the IA.
 - Consider removing the SWFWMD funding commitment as a condition precedent to the effective date of the IA.
 - Options to address the withdrawal condition at the completion of 60% design.
 - All members?
 - Major members?
 - Alternative funding through 60% design?
 - All options would allow Project Associates to join at 60%.

Revenue Options

As discussed in October of 2019

- 1 Impact fees
- 2 Special assessments
- 3 User fees
- 4 Capital surcharges



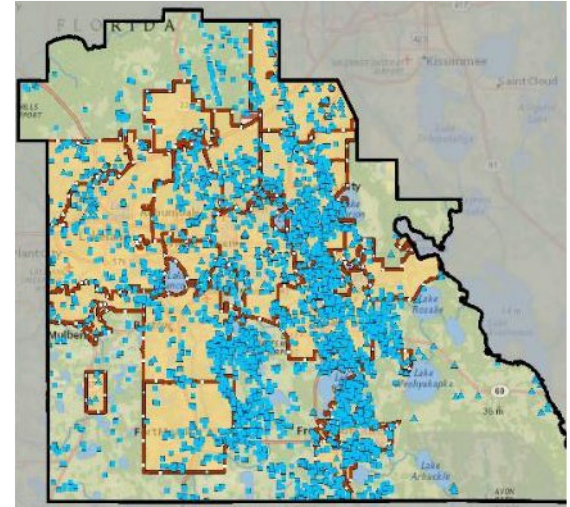
- Charges imposed against **new development**.
- Impose upon newcomers, rather than the general public, the cost of new facilities made necessary by their arrival.
- One-time fee.

 Auburndale Tim Pospichal PO Box 186 Auburndale, FL 33723 Email	 Bartow Billy Simpson 450 N Wilson Ave Bartow, FL 33830 Email	 Davenport Tom Fellows PO Box 642 Davenport, FL 33836 Email	 Dundee Bert Goddard PO Box 1000 Dundee, FL 338 Email
 Eagle Lake Randy Billings PO Box 129 Eagle Lake, FL 33839 Email	 Fort Meade James Watts PO Box 856 Fort Meade, FL 33841 Email	 Frostproof Jon Albert 111 W First St Frostproof, FL 33843 Email	 Haines City Morris West 620 E Main St Haines City, FL 33 Email
 Lake Alfred Jack Dearmin 155 E Pomelo St Lake Alfred, FL 33850 Email	 Lake Hamilton Mike Kehoe PO Box 126 Lake Hamilton, FL 33851 Email	 Lake Wales Eugene Fultz 201 W Central Ave Lake Wales, FL 33853 Email	 Lakeland Bill Mutz 228 S Massachusetts Lakeland, FL 338 Email
 Mulberry Collins Smith 104 S Church Street Mulberry, FL 33860 Email	 Polk City Joe LaCascia 123 Broadway Blvd SE Polk City, FL 33868 Email	 Polk County George Lindsey PO Box 9005 Drawer BC01 Bartow, FL 33831 Email	 Winter Hav Nathaniel Birdson, ... PO Box 2277 Winter Haven FL 33883 Email

2

Special Assessments

- Charges assessed against the property of some particular locality because that property derives some special benefit from the expenditure of the money.
- Examples: fire protection, street improvements, water improvements, etc.
- Requires a method be developed to spread costs among benefited properties.
- **Not an option previously favored by members.**



- Must be reasonable in amount
- Must create reasonable profit – (proprietary/enterprise activities only)
- May fund capital, O&M or sometimes both
- Must be just and equitable
- Charged in exchange for a governmental service
- Are paid by choice (voluntary)

4

Capital Surcharges

- Adds a user fee to a ratepayer's monthly bill.
- Can be presented as
 - % increase to water base and useage charge
 - Per-account flat charge
 - Flat charge per 1,000 billing unit
 - Allocation based on meter size.
- Polk County implemented a \$0.30/1,000 gallon surcharge