



AGENDA
POLK REGIONAL WATER COOPERATIVE

November 18, 2020 – 2:00 PM
Lake Myrtle Sports Complex
2701 Lake Myrtle Park Road
Auburndale, FL 33823

ZOOM Virtual Meeting
<https://us02web.zoom.us/j/89185697807?pwd=bEVWNUNPNTJabTFabE5lc0wyU1ZjZz09>
Call In: +1 (646)558-8656
Meeting ID: 891 8569 7807
Password: 947180

- 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 2021
- F. Regular BOD
 - 3. Auditing Services Engagement Letter (FY-20) - Brynjulfson CPA (ACTION ITEM)
 - 4. Heartland Headwaters Protection & Sustainability Act Report- FY 2022 (ACTION ITEM)

RECESS REGULAR BOD/COMMENCE PROJECTS BOD:

- G. Projects BOD
 - 5. Mediator/Facilitator Progress Update
 - 6. Conservation Demand Management Plan Strategic Implementation - UF/IFAS contract (ACTION ITEM)
 - 7. Line of Credit Short Term Extension (ACTION ITEM)
 - 8. Phase 1 Combined Projects Update

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 18, 2020 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 – September 16, 2020

RECOMMENDATION

Consent Agenda - Recommend approval of minutes for referenced meeting.

FISCAL IMPACT

N/A



MINUTES POLK REGIONAL WATER COOPERATIVE

September 16, 2020 – 2:00 PM
Lake Myrtle Sports Complex
2701 Lake Myrtle Park Road
Auburndale, FL 33823

ZOOM Virtual Meeting

<https://us02web.zoom.us/j/82410024552?pwd=QVMwUEVIQmVLWlQVDJHekJnVjNYdz09>

Call In: +1 (646) 558-8656

Meeting ID: 824 1002 4552

Password: 171813

Member Governments in Attendance:

Member Government	Representative
City of Auburndale	Mayor Tim Pospichal, Primary (Chair)
City of Bartow	Commissioner Bill Simpson, 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	Mayor James Watts, Primary
City of Frostproof	In Absence, Vice Mayor Austin Gravley, Primary
City of Haines City	Mayor Morris West, Primary (arrived at 2:07 PM)
City of Lake Alfred	Commissioner Charles Lake, Primary
Town of Lake Hamilton	Mayor Mike Kehoe, Primary
City of Lake Wales	Mayor Eugene Fultz, Primary (Vice Chair)
City of Lakeland	Mayor Bill Mutz, Primary
City of Mulberry	In Absence, Commissioner Collins Smith, Primary
City of Polk City	Mayor Joe LaCascia, Primary
Polk County	Commissioner George Lindsey, Primary (Treasurer)
City of Winter Haven	Mayor Pro-Tem Nathaniel Birdsong, Primary

A. Call to Order

Meeting called to order by Chairman Pospichal at 2:00 PM and guidelines were provided for the virtual and live meeting format.

B. Recognition of new primary/alternate appointees of members

Vice Mayor Austin Gravley was recognized as the new Primary Board member from the City of Frostproof. Primary and Alternate Board Members from the City of Mulberry were recognized as Vice Mayor Collins Smith and Commissioner Neil Devine respectively.

C. Agenda Revisions

No agenda revisions were presented.

D. Public Comments

No public comments were presented.

E. Consent Items:

1. Board of Directors July 15, 2020 and July 29, 2020 Meeting Minutes
2. FY 2021 – Accounting Services Contract – Clifton Larson Allen
3. Capital Assets Policy
4. Financial Report

Motion made by Mayor Fultz and seconded by Commissioner Lake to approve the consent agenda as presented. Motion approved unanimously.

F. Regular BOD

5. Action Item – PRWC Comments Regarding FDEP CFWI Rule

Mr. Ed de la Parte, PRWC Legal Counsel, provided a brief summary of the CFWI Rule efforts and the efforts to provided comments to the Florida Department of Environmental Protection by the September 24 deadline.

Commissioner Lindsey asked if there were any issues that did not have consensus.

Mr. de la Parte stated that items included in the letter were incorporated and in any items were not legally appropriate for rule making at this time were not included and an explanation was provided to the member government.

Mayor Mutz stated that the City of Lakeland has designated Bill Anderson and the City's counsel to be the sole representative for any of the CFWI rulemaking comments. The City will file their own comments and are not part of anything authorizing Mr. de la Parte to file those comments and would object to this action.

Mr. de la Parte stated the comments are prepared for the Cooperative and not for any specific member of the Cooperative and mentioned that the City of Lakeland did submit comments when requested during the letter drafting.

Mayor Mutz asked if the comments were prepared by the City designated group.

Mr. de la Parte stated comments were received from the City's utility department.

Mayor Mutz stated he wanted to make certain the Cooperative understands that all the comments made for the City of Lakeland to be filed by the City of Lakeland.

Mr. de la Parte stated the Cooperative letter does not preclude the City of Lakeland from submitting their own comments as has been discussed with the City of Lakeland's outside counsel, Mr. Fernandez.

Commissioner Lindsey stated every member government could submit their own comments as well.

Mr. de la Parte confirmed that all the member governments could submit their own set of comments.

Commissioner Fellows stated the City of Davenport would like to submit their own comments as well.

Mayor Kehoe stated City of Lake Hamilton will be submitting their own comments as well.

Mr. de la Parte stated nothing in the Cooperative letter would prevent a member from submitting their own comments.

Mayor Kehoe asked if it was discussed at the last meeting that the comments would be submitted to Mr. de la Parte to represent the water cooperative for each town.

Mr. de la Parte stated a draft letter was submitted to all of the members, and what is before the Cooperative today is the input received from the member governments regarding the set of comments, but was told by several of the governments that they would be submitting their own set of individual comments. Mr. de la Parte stated he had explained to many of the member government attorneys that this letter did not preclude the member government from submitting their own set of comments.

Mayor LaCascia stated that Polk City will be submitting their own comments.

Mayor Bill Mutz asked what is the purpose of this agenda item?

Mr. de la Parte stated the purpose of this action item is to submit a series of comments that the members as a group can agree to generally regarding the draft CFWI rules.

Commissioner Lindsey requested that those choosing to submit their own comments provide a courtesy copy to the PRWC Executive Director so a complete file may be collected of all of the comments and concerns.

Mayor Watts stated Fort Meade's attorney Tom Cloud would be submitting their own comments.

Motion made by Commissioner Lindsey and seconded by Mayor Fultz to authorize the Chairman to sign and submit the PRWC Comment Letter Regarding the draft FDEP CFWI Rule to the Office of Water Policy of the Department of Environmental Protection reflecting the consolidated comments of all members who have submitted comments through Mr. de la Parte's office.

Role Call Vote:

City of Auburndale: In Favor
 City of Bartow: In Favor
 City of Davenport: In Favor
 Town of Dundee: In Favor
 City of Eagle Lake: Absent
 City of Ft Meade: In Opposition
 City of Frostproof: Absent
 City of Haines City: In Favor
 City of Lake Alfred: In Favor
 Town of Lake Hamilton: In Favor
 City of Lake Wales: In Favor
 City of Lakeland: In Favor
 City of Mulberry: Absent
 City of Polk City: In Favor
 City of Winter Haven: In Favor
 Polk County: In Favor

Motion Approved. (12-1)

Mr. de la Parte stated the DEP reached out to the Cooperative to set up a webinar/team meeting session to discuss the concerns of the Cooperative as well as its members to the proposed rule. The date they have scheduled the meeting is for September 23rd at 1 PM. The Executive Director will be forwarding that invitation out to the members so that they may participate.

6. Action Item – Election of Regular BOD Officers for FY 2021

Executive Director Taylor provided a brief summary of the PRWC Formation Interlocal Agreement and the Combined Projects Implementation Agreement requirements to elect officers for the coming fiscal year.

Mayor Kehoe pointed out that F6 and G7 were identical and asked if one is to elect officers for the PRWC and one for the project?

Director Taylor stated Item 6 states an election for the Regular Board of Directors officers while Item 7 is for the election of the Project Board of Directors.

Motion made by Commissioner Fellows and seconded by Mayor Mutz to appoint Mayor Bill Mutz as Secretary/Treasurer, Mayor Eugene Fultz as Chair, and Commissioner George Lindsey as Vice Chair for the Regular Board FY 2021. Motion approved unanimously.

Recess Regular Board of Directors / Commence Projects Board of Directors at 2:20 P.M.

G. Projects BOD

7. Action Item – Election of Projects BOD Officers for FY 2021

Executive Director Taylor provided a brief summary of the PRWC Formation Interlocal Agreement and the Combined Projects Implementation Agreement requirements to elect officers for the coming fiscal year.

Motion made by Mayor West and seconded by Commissioner Lindsey to elect Mayor Eugene Fultz as Chairman, Commissioner George Lindsey as Vice Chair and Mayor Bill Mutz as Secretary/Treasurer for the Project Board for FY 2021.

Mayor Mutz stated that there is no Project Board because Phase 2A Combined Implementation agreement is not an agreement, so this is not something we should act on until we have a Project Board.

Chair Pospichal stated this is for the Combined Projects.

Mr. de la Parte stated this is for the Phase 1 Projects Board. That Mayor Mutz is correct there is no Phase 2A, but this is for Phase 1.

Mayor Mutz agreed.

Roll Call Vote:

City of Auburndale: In Favor
 City of Bartow: In Favor
 City of Davenport: In Favor
 Town of Dundee: In Favor
 City of Eagle Lake: Absent
 City of Ft Meade: In Opposition
 City of Frostproof: Absent
 City of Haines City: In Favor
 City of Lake Alfred: In Favor
 Town of Lake Hamilton: In Favor
 City of Lake Wales: In Favor
 City of Lakeland: In Favor
 City of Mulberry: Absent
 City of Polk City: In Favor
 City of Winter Haven: In Favor
 Polk County: In Favor

Motion Approved. (12-1)

8. Mediator/Facilitator Progress Update

Executive Director Taylor introduced the selected Phase 2A Mediator/Facilitator, Nason, Yeager, Gerson, Harris & Fumero.

John Fumero and Carlyn Kowalsky from Nason Yeager provided an introduction and summary of mediation/facilitation work to date.

Executive Director Taylor provided a brief background on WIFIA funding and application. Last Friday, a discussion was had with EPA regarding the October deadline. EPA has given reasonable surety, and confirmation will be obtained, that if an application has not been submitted, then the application fee will be submitted. A date needs to be set based on the conclusion of the Mediator/Facilitator process, for the agreement to be complete and submitted as part of the WIFIA application.

Mayor West requests that if it is possible for the City of Haines City to have a meeting prior to the start of mediation/facilitation workshops.

Mayor Mutz asked if the WIFIA application is annual.

Director Taylor stated the first week of July an open invitation for a letter of interest occurs annually. The risk is that we have a foot in the door and funds have been set aside, if we wait, we could lose that funding.

Mayor Mutz stated that the most important thing to do is get through the mediation process.

Director Taylor stated that what is being requested will not obligate any member prior to mediation/facilitation.

Commissioner Lindsey stated the two issues are the \$240M is an up to limit and could come in less than that following facilitation. The next issue is that we cannot meet the October 10 deadline. What is the most appropriate extension we could expect?

Director Taylor stated he believes they are comfortable with up to an 8 month extension; but it would go a long way to include the application fee.

Commissioner Lindsey motioned to instruct staff to request the 8 month extension for submitting a WIFIA application and submit the \$100K application fee. Seconded by Mayor Fultz.

Mayor Mutz asked if the EPA is requiring the extension.

Director Taylor stated it is not a requirement but stated it would be an act of good faith.

Mayor Mutz asked if the application goes in now?

Director Taylor stated the application would go in in 8 months.

Director Taylor stated whatever the project looks like following mediation, and whatever the cost would be worked out towards the end of the year.

Mayor Mutz asked if we could expect the mediation process to be complete in two to three months.

Commissioner Lindsey stated the objective of every member is to provide a reliable source of water to every customer and is confident that the mediator can do that to whatever extent is necessary.

Chair Pospichal asked if the mediation could be wrapped up by the end of this year.

Mr. Fumero stated he needs to know what the product will look like at the end. If we are talking about a project implementation agreement or multiple agreements, would be an ambitious goal. Mr. Fumero asked if something less than an implementation agreement is necessary for a complete application.

Mayor Mutz asked if we could ask for the extension without supplying the \$100k.

Director Taylor said we could, but the recommendation to show good faith would be to include the application fee.

Commissioner Lindsey stated the mediation should not be defined by the WIFIA application. The WIFIA application is merely a financial agreement.

Director Taylor reminded the Board that the applications are in depth and take several months, the closer the mediation concludes relative to the 8 months will determine ability of Team One to submit a complete application.

Mr. Heath stated the EPA has always anticipated that the completed application would include the implementation plan and contract.

Mr. de la Parte stated he looks at this motion as being pre-approved for a house. Just because you are pre-approved does not mean you have to purchase the house.

Mayor Mutz stated that what we are proposing is for post mediation and submit the \$100K with an 8 month time extension request.

Motion made and seconded for a requesting an 8 month time extension to the WIFIA submittal application and include the \$100k application fee with the request.

Role Call Vote:

City of Auburndale: In Favor
 City of Bartow: In Favor
 City of Davenport: In Favor
 Town of Dundee: In Favor
 City of Eagle Lake: Absent
 City of Ft Meade: In Favor
 City of Frostproof: Absent
 City of Haines City: In Favor
 City of Lake Alfred: In Favor
 Town of Lake Hamilton: In Favor
 City of Lake Wales: In Favor
 City of Lakeland: In Favor
 City of Mulberry: Absent
 City of Polk City: In Favor
 City of Winter Haven: In Favor
 Polk County: In Favor

Motion approved unanimously

9. Demand Management Plan Results and Next Steps

Ms. Mary Thomas, Carollo, presented a summary of the Demand Management Plan to the Board.

Mr. Heath mentioned that there is a grant for 1/3, SWFWMD is a loan, and staff anticipates coming back in October with a contract with IFAS to provide conservation assistance for those that do not have conservation staff.

10. Action Item – Project Administrator Contract and Agreement

Mr. Tom Mattiacci, City of Lakeland, provided a brief summary of the Project Administrator selection and presented the contract to the Board for approval.

Mr. Kehoe stated in the scope of services also includes Phase 2 for construction, but the Phase 2 has not been approved as of yet.

Mr. Mattiacci stated the option is in the contract so another selection is not needed if a Phase 2 moves forward.

Mr. Kehoe stated we are going to approve based on funding of Phase 1.

Mr. de la Parte stated this agreement does not mandate a Phase 2.

Motion made by Commissioner Lindsey and seconded by Mayor Fultz to approve the Contract and Agreement for Projects Administrator with the Caragh Group, LLC.

Mayor LaCascia asked how each City gets charged for the 150K annual rate.

Mr. Mattiacci stated it is currently prorated based on the projects, the funds are in the project based on what was contributed and by the SRF loan and SWFWMD grant.

Role Call Vote:

City of Auburndale: In Favor
 City of Bartow: In Favor
 City of Davenport: In Favor
 Town of Dundee: In Favor
 City of Eagle Lake: Absent
 City of Ft Meade: In Favor
 City of Frostproof: Absent
 City of Haines City: In Favor
 City of Lake Alfred: In Favor
 Town of Lake Hamilton: In Favor
 City of Lake Wales: In Favor
 City of Lakeland: In Favor
 City of Mulberry: Absent
 City of Polk City: In Favor
 City of Winter Haven: In Favor
 Polk County: In Favor

Motion approved unanimously.

Director Taylor thanked Mr. Mattiacci and the City of Lakeland for their services in this process.

11. Combined Projects Update

Ms. Katie Gierok provided an update to the Board regarding the Combined Projects Phase 1.

Recess Projects Board of Directors/Commence Regular Board of Directors at 3:55 P.M.

H. Open Discussion

Commissioner Lindsey stated that Polk County has two designated seats on the SWFWMD Governing Board. One of those seats has been empty for 2 years. Commissioner John Hall has applied to be appointed to one of those seats.

Mr. Lindsey made a motion seconded by Mayor Mutz to authorize the PRWC Chairman to sign a letter of recommendation for County Commissioner John Hall. Approved Unanimously.

Director Taylor stated Polk County submitted a letter of recommendation and offered it to the members for review if they would like to submit.

I. Chair / Executive Director Report

Chair Pospichal congratulated the newly elected officers of the PRWC.

Director Taylor had an update on the Heartland Headwaters act and stated 21 projects have been submitted for prioritization and ranking. It will be discussed with the TAC members in October's meeting and brought to the Board for approval and submittal to Tallahassee for the next budget year.

Chair Pospichal thanked Mr. Heath for his assistance and experience serving the PRWC.

J. Adjournment

Board meeting adjourned by Chairman Pospichal at 3:58 P.M.

Next meeting November 18, 2020

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #2

SUBJECT

Polk Regional Water Cooperative Meeting Schedule 2021

DESCRIPTION

Provided for consideration and approval is the Polk Regional Water Cooperative Board of Directors 2020 Meeting Schedule. The Board meets no less than bi-monthly typically on the third Wednesday of the selected month at the Lake Myrtle Sports Complex at 2:00 p.m.

The below chart details proposed meeting dates for the calendar year 2021.

January 20, 2021 (Third Wednesday)	2:00 p.m.	Lake Myrtle Sports Complex, Auburndale
March 17, 2021 (Third Wednesday)	2:00 p.m.	Lake Myrtle Sports Complex, Auburndale
May 19, 2021 (Third Wednesday)	2:00 p.m.	Lake Myrtle Sports Complex, Auburndale
July 21, 2021 (Third Wednesday)	2:00 p.m.	Lake Myrtle Sports Complex, Auburndale
September 15, 2021 (Third Wednesday)	2:00 p.m.	Lake Myrtle Sports Complex, Auburndale
November 17, 2021 (Third Wednesday)	2:00 p.m.	Lake Myrtle Sports Complex, Auburndale

RECOMMENDATION

Staff recommends approval of 2021 Meeting Schedule

FISCAL IMPACT

N/A

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #3

SUBJECT

Auditing Services Engagement Letter (FY-20) - Brynjulfson CPA (ACTION ITEM)

DESCRIPTION

Brynjulfson CPA, P.A. has been providing the Polk Regional Water Cooperative (PRWC) has been providing auditing services since 2017, beginning with fiscal year 2016. Since then, the PRWC has extended the contract for auditing services for fiscal years 2017, 2018 and 2019. For fiscal year 2019, additional services were added to the contract to include a State Single Audit for work required related to the Department of Environmental Protection (DEP) State Revolving Fund (SRF) Loan.

Presented for the Board's consideration is an engagement letter for auditing services, which include the state single audit for fiscal year 2020. The fee for the fiscal year 2020 audit of basic financial statements is \$15,450.00 and the state single audit is \$3,500.00 for a total expense of \$18,950.00.

RECOMMENDATION

Recommend approval of the engagement letter for auditing services, including the state single audit for fiscal year 2020.

FISCAL IMPACT

\$18,950.00 plus any additional fees for work outside of the attached scope, if necessary.



November 6, 2020

Polk Regional Water Cooperative

c/o Ryan Taylor, Executive Director
 330 W. Church Street
 Drawer AT01
 Bartow, FL 33830

To: Members of the Board of Directors

We are pleased to confirm our understanding of the services we are to provide Polk Regional Water Cooperative ("Cooperative") an independent special district created pursuant to Chapter 189, Florida Statutes and Section 373.1962, Florida Statutes, for the year ended September 30, 2020. We will audit the financial statements of each major fund, including the related notes to the financial statements, which collectively comprise the basic financial statements, of the Cooperative as of and for the year ended September 30, 2020. Accounting standards generally accepted in the United States of America provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement the Cooperative's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to the Cooperative's RSI in accordance with auditing standards generally accepted in the United States of America. These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance. The following RSI is required by U.S. generally accepted accounting principles and will be subjected to certain limited procedures, but will not be audited:

- 1) Management's Discussion and Analysis.

We have also been engaged to report on supplementary information other than RSI that accompanies the Cooperative's financial statements. We will subject the following supplementary information to the auditing procedures applied in our audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America, and we will provide an opinion on it in relation to the financial statements as a whole, combined in a report combined with our auditor's report on the financial statements:

- 1) Schedule of expenditures of federal awards and/or state financial assistance.
- 2) Schedule of revenues and expenses – budget to actual – admin.
- 3) Schedule of revenues and expenses – projects.
- 4) Schedule of revenues and expenses – conservation grants.
- 5) Other schedules of revenues and expenses supplementary to the basic financial statements.

Audit Objectives

The objective of our audit is the expression of opinions as to whether your financial statements are fairly presented, in all material respects, in conformity with U.S. generally accepted accounting principles and to report on the fairness of the supplementary information referred to in the second paragraph when considered in relation to the financial statements as a whole. The objective also includes reporting on—

- Internal control over financial reporting and compliance with provisions of laws, regulations, contracts, and award agreements, noncompliance with which could have a material effect on the financial statements in accordance with *Government Auditing Standards*.
- Internal control over compliance related to major programs and/or major state projects and an opinion (or disclaimer of opinion) on compliance with federal and/or state statutes, regulations, and the terms and conditions of federal and/or state awards that could have a direct and material effect on each major program/project in accordance with the Single Audit Act Amendments of 1996 and Title 2 U.S. *Code of Federal Regulations (CFR) Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance)* and/or Chapter 10.550, Rules of the Auditor General.

The *Government Auditing Standards* report on internal control over financial reporting and on compliance and other matters will include a paragraph that states that (1) the purpose of the report is solely to describe the scope of testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance, and (2) the report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. The report on internal control over compliance related to major programs and/or major state projects will include a paragraph that states that the purpose of the report on internal control over compliance is solely to describe the scope of testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance and/or Chapter 10.550 Rules of the Auditor General. These reports will state that the report is not suitable for any other purpose.

Our audit will be conducted in accordance with auditing standards generally accepted in the United States of America; the standards for financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; the Single Audit Act Amendments of 1996; and the provisions of the Uniform Guidance and Chapter 10.550, Rules of the Auditor General (as applicable) and will include tests of accounting records, a determination of major program(s)/major project(s) in accordance with the Uniform Guidance and/or Chapter 10.550, Rules of the Auditor General and other procedures we consider necessary to enable us to express such opinions. We will issue written reports upon completion of our single audit. Our reports will be addressed to the Members of the Board of Directors of the Polk Regional Water Cooperative. We cannot provide assurance that unmodified opinions will be expressed. Circumstances may arise in which it is necessary for us to modify our opinions or add emphasis-of-matter or other-matter paragraphs. If our opinions are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or issue reports, or we may withdraw from this engagement.

Audit Procedures—General

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We will plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the government or to acts by management or employees acting on behalf of the government. Because the determination of abuse is subjective, *Government Auditing Standards* do not expect auditors to provide reasonable assurance of detecting abuse.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, an unavoidable risk exists that some material misstatements or noncompliance may exist and not be detected by us, even though the audit is properly planned and performed in accordance with U.S. generally accepted auditing standards and *Government Auditing Standards*. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements or on major programs. However, we will inform the appropriate level of management of any material errors, any fraudulent financial reporting, or misappropriation of assets that come to our attention. We will also inform the appropriate level of management of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential, and of any material abuse that comes to our attention. We will include such matters in the reports required for a single audit. Our responsibility as auditors is limited to the period covered by our audit and does not extend to any later periods for which we are not engaged as auditors.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts, and may include tests of the physical existence of inventories, and direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, funding sources, creditors, and financial institutions. We will request written representations from your attorneys as part of the engagement, and they may bill you for responding to this inquiry. At the conclusion of our audit, we will require certain written representations from you about your responsibilities for the financial statements; schedule of expenditures of federal awards and/or state projects; federal and state award programs; compliance with laws, regulations, contracts, and grant agreements; and other responsibilities required by generally accepted auditing standards.

Audit Procedures—Internal Control

Our audit will include obtaining an understanding of the government and its environment, including internal control, sufficient to assess the risks of material misstatement of the financial statements and to design the nature, timing, and extent of further audit procedures. Tests of controls may be performed to test the effectiveness of certain controls that we consider relevant to preventing and detecting errors and fraud that are material to the financial statements and to preventing and detecting misstatements resulting from illegal acts and other noncompliance matters that have a direct and material effect on the financial statements. Our tests, if performed, will be less in scope than would be necessary to render an opinion on internal control and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to *Government Auditing Standards*.

As required by the Uniform Guidance and/or Chapter 10.550, Rules of the Auditor General, we will perform tests of controls over compliance to evaluate the effectiveness of the design and operation of controls that we consider relevant to preventing or detecting material noncompliance with compliance requirements applicable to each major federal or state award program. However, our tests will be less in scope than would be necessary to render an opinion on those controls and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to the Uniform Guidance and Chapter 10.550, Florida Statutes.

An audit is not designed to provide assurance on internal control or to identify significant deficiencies or material weaknesses. Accordingly, we will express no such opinion. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under AICPA professional standards, *Government Auditing Standards*, and the Uniform Guidance and/or Chapter 10.550, Rules of the Auditor General.

Audit Procedures—Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of the Cooperative's compliance with provisions of applicable laws, regulations, contracts, and agreements, including grant agreements. However, the objective of those procedures will not be to provide an opinion on overall compliance, and we will not express such an opinion in our report on compliance issued pursuant to *Government Auditing Standards*.

The Uniform Guidance and Chapter 10.550, Rules of the Auditor General requires that we also plan and perform the audit to obtain reasonable assurance about whether the auditee has complied with federal and/or state statutes, regulations, and the terms and conditions of federal and/ or state awards applicable to major programs. Our procedures will consist of tests of transactions and other applicable procedures described in the OMB *Compliance Supplement* and/or the State of Florida's State Projects *Compliance Supplement* for the types of compliance requirements that could have a direct and material effect on each of the Cooperative's major programs or major state projects. For federal or state programs that are included in the respective Compliance Supplements, our compliance and internal control procedures will relate to the compliance requirements that those Compliance Supplements identifies as being subject to audit. The purpose of these procedures will be to express an opinion on the Cooperative's compliance with requirements applicable to each of its major programs/projects in our report on compliance issued pursuant to the Uniform Guidance and/or Chapter 10.550, Rules of the Auditor General.

Management Responsibilities

Management is responsible for (1) designing, implementing, establishing, and maintaining effective internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error, including internal controls over federal awards, and for evaluating and monitoring ongoing activities, to help ensure that appropriate goals and objectives are met; (2) following laws and regulations; (3) ensuring that there is reasonable assurance that government programs are administered in compliance with compliance requirements; and (4) ensuring that management and financial information is reliable and properly reported. Management is also responsible for implementing systems designed to achieve compliance with applicable laws, regulations, contracts, and grant agreements. You are also responsible for the selection and application of accounting principles; for the preparation and fair presentation of the financial statements, schedule of expenditures of federal awards, and all accompanying information in conformity with U.S. generally accepted accounting principles; and for compliance with applicable laws and regulations (including federal and/or state statutes) and the provisions of contracts and grant agreements (including award agreements). Your responsibilities also include identifying significant contractor relationships in which the contractor has responsibility for program compliance and for the accuracy and completeness of that information.

Management is also responsible for making all financial records and related information available to us and for the accuracy and completeness of that information. You are also responsible for providing us with (1) access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements, (2) access to personnel, accounts, books, records, supporting documentation, and other information as needed to perform an audit under the Uniform Guidance, (3) additional information that we may request for the purpose of the audit, and (4) unrestricted access to persons within the government from whom we determine it necessary to obtain audit evidence.

Your responsibilities include adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, grantors, regulators, or others. In addition, you are responsible for identifying and ensuring that the government complies with applicable laws, regulations, contracts, agreements, and grants. Management is also responsible for taking timely and appropriate steps to remedy fraud and noncompliance with provisions of laws, regulations, contracts, and grant agreements, or abuse that we report. Additionally, as required by the Uniform Guidance, it is management's responsibility to evaluate and monitor noncompliance with federal statutes, regulations, and the terms and conditions of federal awards; take prompt action when instances of noncompliance are identified including noncompliance identified in audit findings; promptly follow up and take corrective action on reported audit findings; and prepare a summary schedule of prior audit findings and a separate corrective action plan.

You are responsible for identifying all federal and state awards received and understanding and complying with the compliance requirements and for the preparation of the schedule of expenditures of federal awards and/or state financial assistance (including notes and noncash assistance received) in conformity with the Uniform Guidance and/or Chapter 10.550, Rules of the Auditor General. You agree to include our report on the schedule of expenditures of federal awards and/or state financial assistance in any document that contains and indicates that we have reported on the schedule of expenditures of federal awards and/or state financial assistance. You also agree to include the audited financial statements with any presentation of the schedule of expenditures of federal awards that includes our report thereon. Your responsibilities include acknowledging to us in the written representation letter that (1) you are responsible for presentation of the schedule of expenditures of federal awards and/or state financial assistance in accordance with the Uniform Guidance and/or Chapter 10.550, Rules of the Auditor General; (2) you believe the schedule of expenditures of federal awards and/or state financial assistance, including its form and content, is stated fairly in accordance with the Uniform Guidance or Chapter 10.550, Rules of the Auditor General; (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the schedule of expenditures of federal awards and/or state financial assistance.

You are also responsible for the preparation of the other supplementary information, which we have been engaged to report on, in conformity with U.S. generally accepted accounting principles. You agree to include our report on the supplementary information in any document that contains, and indicates that we have reported on, the supplementary information. You also agree to include the audited financial statements with any presentation of the supplementary information that includes our report. Your responsibilities include acknowledging to us in the written representation letter that (1) you are responsible for presentation of the supplementary information in accordance with GAAP; (2) you believe the supplementary information, including its form and content, is fairly presented in accordance with GAAP; (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the supplementary information.

Management is responsible for establishing and maintaining a process for tracking the status of audit findings and recommendations. Management is also responsible for identifying and providing report copies of previous financial audits, attestation engagements, performance audits, or other studies related to the objectives discussed in the Audit Objectives section of this letter. This responsibility includes relaying to us corrective actions taken to address significant findings and recommendations resulting from those audits, attestation engagements, performance audits, or studies. You are also responsible for providing management's views on our current findings, conclusions, and recommendations, as well as your planned corrective actions, for the report, and for the timing and format for providing that information.

You agree to assume all management responsibilities relating to the financial statements, schedule of expenditures of federal awards and/or state financial assistance, and related notes.

PUBLIC RECORDS In accordance with the provisions of Chapter 119.0701(2), Florida Statutes;

IF THE AUDITOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 110, FLORIDA STATUTES, TO THE AUDITOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (863) 248-7388, RECORDSCUSTODIAN@PRWCWATER.ORG, 330 W. CHURCH STREET, DRAWER AT01, BARTOW, FLORIDA 33830.

The auditor must comply with public records laws, specifically to:

- 1) Keep and maintain public records required by the Cooperative in order to perform the service(s).
- 2) Upon request from the Cooperative's custodian of public records, provide the Cooperative with a copy of the requested records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
- 3) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the term of the Agreement and following completion of the Agreement if the Firm does not transfer the records to the Cooperative.
- 4) Upon completion of the Agreement, transfer, at no cost to the Cooperative, all public records in possession of the Auditor or keep and maintain public records required by the Plan to perform the service. If the Auditor transfers all public records to the Client upon completion of the Agreement, the Auditor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Auditor keeps and maintains public records upon completion of the Agreement, the Auditor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the Cooperative, upon request from the Cooperative's custodian of public records, in a format that is compatible with the information technology systems of the Cooperative.

Brynjulfson CPA, P.A. acknowledges that Section 287.133, Florida Statutes provides that a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or a consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

This agreement may be executed in two or more counterparts, each of which shall be an original, but all of which together shall constitute one and the same agreement. Delivery of an executed counterpart of this Agreement by facsimile, including, without limitation, by facsimile transmission or by electronic delivery in portable document format (".pdf") or tagged image file format (".tiff"), shall be equally effective as delivery of a manually executed counterpart thereof.

Engagement Administration, Fees, and Other

We understand that your employees or designated agent will (1) provide us complete financial statements comprised of the basic financial statements, required supplementary information, additional supplementary information or any other requirements of *generally accepted accounting principles* including all related note disclosures; (2) provide us with an accurate and complete trial balance of all funds prepared on the proper basis of accounting; (3) prepare all cash or other confirmations we request and will locate any documented selected by us for testing.

We will provide copies of our reports to the Cooperative; however, management is responsible for distribution of the reports and the financial statements. Unless restricted by law or regulation, or containing privileged and confidential information, copies of our reports are to be made available for public inspection.

The audit documentation for this engagement is the property of Brynjulfson CPA, P.A. and constitutes confidential information. However, subject to applicable laws and regulations, audit documentation and appropriate individuals will be made available upon request and in a timely manner to the State of Florida or its designee, a federal agency providing direct or indirect funding, or the U.S. Government Accountability Office for purposes of a quality review of the audit, to resolve audit findings, or to carry out oversight responsibilities. We will notify you of any such request. If requested, access to such audit documentation will be provided under the supervision of Brynjulfson CPA, P.A. personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties. These parties may intend, or decide, to distribute the copies or information contained therein to others, including other governmental agencies.

The audit documentation for this engagement will be retained for a minimum of seven years after the report release date or for any additional period requested by the State of Florida. If we are aware that a federal awarding agency or auditee is contesting an audit finding, we will contact the party(ies) contesting the audit finding for guidance prior to destroying the audit documentation.

Our fee for these services will be at our standard hourly rates plus out-of-pocket costs (such as report reproduction, typing, postage, travel, copies, telephone...etc.) Our estimated total fee can be found in Attachment A of this letter.

Our invoices for professional services will be rendered as work progresses and are payable on receipt. In accordance with our firm policies, work may be suspended if your account becomes 30 days or more overdue and may not be resumed until your account is paid in full. If we have to terminate our service for nonpayment, or if you should elect to terminate our services, you will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination even if we have not completed our report. The fees quoted herein are based on anticipated cooperating from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, for example, because of changes in the nature and/or scope of the audit due to changes in audit or accounting standards, new grants or funding sources, etc., we will discuss it with you and arrive at a new fee estimate before we incur the additional costs. If only minimal additional time is necessary, we will proceed with the work and separately bill this when the services are completed. The quoted rates in Attachment A will be used in the event that additional work outside the scope of this fee proposal is requested or required of us throughout the period of this agreement.

This agreement is entered into in accordance with Section 218.391(7), Florida Statutes and may be hereafter renewed or extended by mutual agreement of both parties. Furthermore, either party may terminate this agreement upon thirty days written notice.

We appreciate the opportunity to be of service to the Polk Regional Water Cooperative and believe this letter accurately summaries the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement letter as described in this letter, please sign and return it to us.

Very truly yours,
for **Brynjulfson CPA, P.A.**



RESPONSE:

This letter correctly sets forth the understanding of the **Polk Regional Water Cooperative.**

By: _____

Date: _____

Title: _____

Attachment A – Audit Fee Estimate and Rates
Polk Regional Water Cooperative
November 6, 2020

	Fiscal Year Ending September 30, 2020	
	<hr/>	
<u>Audit Fees</u> (estimated)		
Audit of the Basic Financial Statements	\$	15,450
Federal or State Single Audit (if required)		3,500
	<hr/>	<hr/>
	\$	18,950
<u>Rates per Hour</u>		
Partner/Shareholder/Principal	\$	165
Audit Supervisor	\$	130
Audit Senior	\$	115

Audit fees do not include preparation of the basic financial statements, required supplementary information, other supplementary information and related footnote disclosures, preparation of the Schedule of Expenditures of Federal and/or State awards, if required, or the preparation of the annual report to the Division of Banking.

If the scope of work to be performed changes significantly due to increased activity or new audit or accounting requirements, we reserve the right to renegotiate the fee. Increased project related activities, including loan or grant funding as well as the related project costs, are expected and will be assessed as part of our audit planning procedures. If we deem the scope of the audit work has changed significantly, we will contact the Board of Directors and executive management to discuss a new fee estimate before we incur the additional costs.

Attachment: PRWC Eng Ltr 9-30-20 incl State Single Audit (8429 : Auditing Services Engagement Letter (FY-20) - Brynjulfson CPA (ACTION

HOLLAND & REILLY

CERTIFIED PUBLIC ACCOUNTANTS
601 NORTH FERN CREEK
SUITE 200
ORLANDO, FLORIDA 32803

(407) 894-6803
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DAVID S. HOLLAND, CPA
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AMERICAN INSTITUTE OF
CERTIFIED PUBLIC ACCOUNTANTS
FLORIDA INSTITUTE OF
CERTIFIED PUBLIC ACCOUNTANTS
ASSOCIATION OF
CERTIFIED FRAUD EXAMINERS

Report on the Firm's System of Quality Control

June 18, 2019

To the Owner
Brynjulfson, CPA, P.A.
and the Peer Review Committee of the FICPA

We have reviewed the system of quality control for the accounting and auditing practice of Brynjulfson, CPA, P.A. (the firm) in effect for the year ended December 31, 2018. Our peer review was conducted in accordance with the Standards for Performing and Reporting on Peer Reviews established by the Peer Review Board of the American Institute of Certified Public Accountants (Standards).

A summary of the nature, objectives, scope, limitations of, and the procedures performed in a System Review as described in the Standards may be found at aicpa.org/prsummary. The summary also includes an explanation of how engagements identified as not performed or reported in conformity with applicable professional standards, if any, are evaluated by a peer reviewer to determine a peer review rating.

Firm's Responsibility

The firm is responsible for designing a system of quality control and complying with it to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. The firm is also responsible for evaluating actions to promptly remediate engagements deemed as not performed or reported in conformity with professional standards, when appropriate, and for remediating weaknesses in its quality control, if any.

Peer Reviewer's Responsibility

Our responsibility is to express an opinion on the design of the system of quality control and the firm's compliance therewith based on our review.

Required Selections and Considerations

Engagements selected for review included engagements performed under *Government Auditing Standards*.

As part of our peer review, we considered reviews by regulatory entities as communicated by the firm, if applicable, in determining the nature and extent of our procedures.

Opinion

In our opinion, the system of quality control for the accounting and auditing practice of Brynjulfson, CPA, P.A. in effect for the year ended December 31, 2018 has been suitably designed and complied with to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. Firms can receive a rating of *pass*, *pass with deficiency(ies)*, or *fail*. Brynjulfson, CPA, P.A. has received a peer review rating of *pass*.

Holland & Reilly
Holland & Reilly

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #4

SUBJECT

Heartland Headwaters Protection & Sustainability Act Report- FY 2022 (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 FY 2021-2022 Annual Report has been prepared and presents summaries for 20 project submitted by the PRWC membership, totaling over \$174 million in project costs. The projects have been ranked, and the Annual Report requests approximately \$41 million in state funding support for their implementation in FY 2021-2022.

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, 2020.

FISCAL IMPACT

Pending State appropriations for Fiscal Year 2021-2022.

Your region, Your water, Your voice at the table

F.4.a



Polk Regional
Water Cooperative

PRWC Board of Directors

Heartland Headwaters Act Report Update

Attachment: 20201118_Heartland (1) (7830 : Heartland

Wednesday, November

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As a regional entity, PRWC has more weight in pursuing state and national funding.

- “AWS development must receive priority funding” (Chapter 373. 707 F.A.C.)
- 2005 “Water Protection and Sustainability Program”
 - Encourages cooperation between municipalities, counties and WMDs to protect and develop water supplies in a sustainable manner
 - WMDs promote and support local government alternative water supply projects
- WMD governing boards determine projects that will receive financial assistance, and shall give weight to factors including whether the project will be implemented by a multijurisdictional water supply entity or regional water supply authority
- The WIFIA program accelerates investment in our nation’s water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects
- Heartland Headwaters Protection Act says that priority state funding consideration be given to solutions that manage headwaters in Polk County region and of the Floridan Aquifer in the most efficient, cost effective and environmentally beneficial way

Annual Report Overview

F.4.a

- Heartland Headwaters Protection and Sustainability Act passed in 2017
- Recognizes vital importance of Green Swamp Area within Polk County and designates Polk County's aquifers as the headwaters for six of Florida's major rivers (i.e. Alafia, Hillsborough, Kissimmee, Ocklawaha, Peace, and Withlacoochee)
- Provides avenue to pursue state funding for projects needed to protect and restore region's resources
- Requires annual reporting



2020 Update

- The PRWC Received \$1.8 million in FY 2019/20
- The PRWC also was awarded \$500,000 in FY 2020/21 which was vetoed as part of the Covid-19 budget cuts.
- Following the veto, Polk County secured a commitment from DEP Dpty. Secretary Adam Blalock to provide the PRWC support through the states annual \$40 million Alternative Water Supply grant program.
- The PRWC staff worked with the SWFWMD on a AWS grant application.
- The PRWC has been awarded \$11.7 million in FY 2020/21 AWS funding by the DEP for the implementation of the SE Wellfield and associated transmission infrastructure. (25% of ALL program funds statewide!)

2020 Update

- Based on the PRWC-approved administrative cost share the DEP AWS award represents a savings to each member as follows:

Lakeland	\$3,701,880	Davenport	\$224,640
Uninc./Polk Co.	\$2,729,610	Dundee	\$117,000
Winter Haven	\$1,708,200	Fort Meade	\$97,110
Haines City	\$848,250	Mulberry	\$70,200
Auburndale	\$855,270	Polk City	\$64,350
Bartow	\$491,400	Frostproof	\$72,540
Lake Wales	\$444,600	Eagle Lake	\$60,840
Lake Alfred	\$170,820	Lake Hamilton	\$43,290

2020 Update

- Draft FY 2021-2022 report complete
- 20 projects submitted, totaling over \$174 M in project costs
- Total FY 2021-2022 legislative ask: ~\$41M.

Heartland Headwaters Protection and Sustainability Act Implementation								
Table C - FY 2021-22 Project Cost and Rank								
Priority Ranking*	Project Name	Member Government	Estimated Completion Date	Total Project Cost (All Years)	Total Project Cost (FY 21-22)	State Funding Requested (FY 21-22)	Local Gov. Funding (FY 21-22)	Other Funds (FY 21-22)
Approved	West Polk Lower Floridan Aquifer Project - Phase I	*PRWC / LKLD	December 2021	\$ 8,727,284	\$ 2,968,026	\$ 989,342	\$ 989,342	\$ 989,342
Approved	Peace Creek Integrated Water Supply Plan - Phase I	*PRWC / WH	December 2021	\$ 1,880,250	\$ 986,064	\$ 328,688	\$ 328,688	\$ 328,688
Approved	Peace River and Land Use Transitions	*PRWC / BoCC	December 2021	\$ 888,600	\$ 478,580	\$ 159,527	\$ 159,527	\$ 159,527
Subtotal for Projects Submitted to the CFWI				\$ 11,496,134	\$ 4,432,670	\$ 1,477,557	\$ 1,477,557	\$ 1,477,557
Rank	Project Name	Member Government	Estimated Completion Date	Total Project Cost (All Years)	Total Project Cost (FY 21-22)	State Funding Requested (FY 21-22)	Local Gov. Funding (FY 21-22)	Other Funds (FY 21-22)
1	Wastewater Pump Station Replacements	City of Eagle Lake	March 2022	\$ 980,000	\$ 900,000	\$ 900,000	\$ -	\$ -
1	Septic to Sewer Program	City of Winter Haven	September 2025	\$ 16,000,000	\$ 4,000,000	\$ 1,000,000	\$ 1,000,000	\$ 2,000,000
3	Wastewater System Upgrades	City of Frostproof	FY 2022	\$ 2,064,045	\$ 2,064,045	\$ 1,831,345	\$ 169,900	\$ 62,800
3	ASR Wellfield Construction at WWTP #3	City of Winter Haven	September 2022	\$ 6,100,000	\$ 5,500,000	\$ 1,375,000	\$ 1,375,000	\$ 2,750,000
5	Alternative Water Supply Receiving Facilities	Polk County	June 2023	\$ 7,500,000	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ -
6	Lake Howard Watershed Treatment Enhancement	City of Winter Haven	Summer 2023	\$ 1,500,000	\$ 750,000	\$ 375,000	\$ 375,000	\$ -
6	Lake May and Shipp Restoration	City of Winter Haven	2025	\$ 30,000,000	\$ 5,000,000	\$ 4,000,000	\$ 1,000,000	\$ -
8	Williams Water Treatment Plant Clearwell Reliability	City of Lakeland	Fall 2021	\$ 13,000,000	\$ 6,500,000	\$ 6,500,000	\$ -	\$ -
9	English Oaks Force Main Completion	City of Lakeland Water	Fall 2021	\$ 17,836,170	\$ 12,000,000	\$ 12,000,000	\$ -	\$ -
9	One Water Master Plan Land Acquisition	City of Winter Haven	September 2025	\$ 49,500,000	\$ 5,000,000	\$ 2,500,000	\$ 2,500,000	\$ -
11	Plymouth Rd Watermain Extension	City of Auburndale	March 2022	\$ 80,000	\$ 80,000	\$ 40,000	\$ 40,000	\$ -
12	Holly Hill Lower Floridan Aquifer Well	Polk County	June 2022	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ -
13	Berkley Road Water Treatment Plant Pump Capacity Expansion	City of Auburndale	February 2022	\$ 150,000	\$ 150,000	\$ 75,000	\$ 75,000	\$ -
14	SW Lakeland Water Expansion	City of Lakeland	Summer 2022	\$ 3,000,000	\$ 1,700,000	\$ 1,700,000	\$ -	\$ -
14	Centrifuge Upgrade	City of Auburndale	July 2022	\$ 300,000	\$ 300,000	\$ 150,000	\$ 150,000	\$ -
14	Southwest Lakeland Sewer Upgrades	City of Lakeland	Summer 2021	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ -	\$ -
14	Alternative Water Supply Transmission Loop Phase I	City of Winter Haven	September 2023	\$ 9,100,000	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000	\$ -
Subtotal for Non-CFWI Local Projects				\$ 162,610,213	\$ 55,444,045	\$ 39,946,345	\$ 10,684,900	\$ 4,812,800
TOTAL FOR ALL PRWC MEMBER PROJECTS				\$ 174,106,349	\$ 59,876,715	\$ 41,423,902	\$ 12,162,457	\$ 6,290,357
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.								

Attachment: 20201118_Heartland (1) (7830 : Heartland

Together we have been successful

F.4.a

- In 2 years the Heartland Act will have funneled more state funding to PRWC than all members have received over the past 10 years combined in line item appropriations.
 - FY 2019-2020: \$1.8 M from state appropriations
 - FY 2021-2022: \$11.7M from AWS funding
- The PRWC was invited to apply for the WIFIA loan program for a long-term, low-cost loan.
 - Only **regionally** and nationally **significant** projects qualify
 - Invited to apply for \$241M
- Continued partnership with SWFWMD means the continued grant of nearly 50% of total project costs.
 - Over \$1.5M in conservation funds
 - \$65M already appropriated; \$213 M programmed for AWS
- PRWC has secured and is qualified for low-interest State Revolving Fund Loans.
 - Nearly \$10M in planning and design Drinking Water SRF Loans secured.
 - Approximately \$20M in design and Drinking Water SRF construction loans pursued.



Attachment: 20201118_Heartland (1) (7830 : Heartland

Action Item

F.4.a

- Request approval to submit Annual Report to Governor, both Legislative Chambers, DEP and WMDs by December 1, 2020.
- Request that ALL the PRWC members join in support of recurring funding from the Land Acquisition Trust Fund for the implementation of the Heartland Headwaters Protection and Sustainability Act and the prioritized projects identified in our Annual Report.

Attachment: 20201118_Heartland (1) (7830 : Heartland



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Heartland Headwaters Protection and Sustainability Act
Annual Comprehensive Water Resources Report
FY 2021-22





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 20 drinking water, wastewater, stormwater & flood control, and environmental restoration &

¹ Fla. Stat. § 373.462 (2017)

conservation projects submitted by its member governments, prioritized them and is requesting \$41,423,902 in state funding support for their implementation in FY 2021-2022.

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,

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*.

Florida in the Gulf of Mexico, rely upon this aquifer for most of their water needs.⁶ The 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

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

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

¹² Id at pg. 54-55

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
- Water Resource Developments

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.

- 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 current 2020 DRAFT 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.

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

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_VolII_Rpt_3-8-2020R8.pdf, at page 69

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)

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 2020-21 was another productive year for the Cooperative. In January of 2019, the Cooperative member governments kicked off 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. Over the course of this year, the Cooperative members have collected and analyzed member conservation data which is being used to develop an implementation plan which 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 Implementation Strategy will be completed in September of 2020. 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 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

²³ Id at pg. 14.

completed the conceptual design of the Southeast Water Production Facility and Transmission System. The Final Conceptual Design Report (CDR) for the Water Production Facility and transmission system was delivered in October of 2019 following a Third Party Review conducted by SWFWMD. A preliminary design is now underway.

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 CDR for the West Polk Water Production Facility and transmission system was developed and the SWFWMD conducted a Third Party Review in June of 2020.

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. TeamOne is expected to deliver a Preliminary Design Report in 2021. The Fourth project, the Peace River and Land Use Transition Project has kicked off with intake locations identifications complete, and a feasibility analysis 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 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

²⁴ Fla. Stat. § 373.462 (2017)

²⁵ Fla. Stat. § 373.463 (2017)

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 no funds for the projects in FY 2020-2021 but appropriated \$1,800,000 for the projects submitted by the PRWC in FY 2019-20. These funds are currently being used towards advancing the four PRWC alternative water supply projects currently underway.

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 20 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 (8) and wastewater (6), but also included stormwater and flood control (1), environmental restoration (4) and conservation (1) projects. 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 \$174,106,349. For Fiscal Year 2021-22, \$59,876,715 will be required to implement these projects with the PRWC governments collectively committing \$12,162,457 (20.3%) of that funding. This amount does not include \$6,290,357 (10.5%) in grant funding secured from the SWFWMD, leaving a state request of \$41,423,902 (69.2%) for FY 21-22 (Table C).

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 Peace Creek Integrated Water Supply Plan Phase I	*PRWC / Winter Haven				1	
PRWC Peace River and Land Use Transitions	*PRWC / Polk County	1				
Berkley Road Water Treatment Plant Pump Capacity Expansion	Auburndale	1				
Centrifuge Upgrade	Auburndale		1			
Plymouth Rd Watermain Extension	Auburndale	1				
Wastewater Pump Station Replacements	Eagle Lake		1			
Frostproof WWTF Headworks Modification	Frostproof		1			
English Oaks Force Main Completion	Lakeland		1			
Southwest Lakeland Water Expansion	Lakeland	1				
Southwest Lakeland Sewer Upgrades	Lakeland		1			
Williams Water Treatment Plant Clearwell Reliability	Lakeland	1				
Alternative Water Supply Receiving Facilities	Polk County	1				
Holly Hill Lower Floridan Aquifer Well	Polk County	1				
One Water Master Plan Land Acquisition	Winter Haven				1	
ASR Wellfield Construction at WWTP #3	Winter Haven				1	
Alternative Water Supply Transmission Loop Phase I	Winter Haven					1
Lake May and Shipp Restoration	Winter Haven				1	
Lake Howard Watershed Treatment Enhancement	Winter Haven			1		
Septic to Sewer Planning	Winter Haven		1			
Total Number of Projects		8	6	1	4	1

**Heartland Headwaters Protection and Sustainability Act Implementation
Table B - FY 2021-22 Project Descriptions**

Rank	Project Name	Member Government	Project Description
CFWI	PRWC West Polk Lower Floridan Aquifer Project Phase I	City of Lakeland	This project consists of Lower Floridan aquifer production test well study, the conceptual design and preliminary (30%) design reports for a water treatment facility and regional transmission system, pilot testing of conceptual water treatment alternatives, and a preliminary rate analysis for a regional water supply source within and for Polk County. The Measureable Benefit is to perform water quality, yield analysis, and aquifer performance testing at a proposed test/production well site in the LFA, perform pilot testing and a TPR; and develop a conceptual and preliminary design report (30%) for a facility to treat and deliver up to 15 mgd of alternative water supplies and complete a TPR.
CFWI	PRWC Peace Creek Integrated Water Supply Plan Phase I	City of Winter Haven	The program consists of an integrated water supply program that will focus on restoration of natural hydrology in the headwaters of the Peace River System to increase environmental benefits according the net benefit component of the Southern Water Use Caution Area rules and create a future AWS water supply. It is estimated this effort will create at least 10 million gallons per day of water resource benefit.
CFWI	Peace River and Land Use Transitions	Polk County	This project involves the evaluation of the Peace River as a water supply source. The project includes a limited conceptual design and permit application documents for the withdrawal of approximately 30 MGD of water from the Peace River.
1	Wastewater Pump Station Replacements	City of Eagle Lake	Construction of two wastewater pumping stations with emergency generators to replace aging existing pumping stations located a park very near to Eagle Lake, and a at a low are next to Lake McLeod, respectively. Both pumping stations are located in sensitive areas that would create surface water contamination should the existing pumps or power fail. Project is already designed and permitted.
1	Septic to Sewer Program	City of Winter Haven	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 (10,500) 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 proposed project will construct recommended projects from an on-going Septic to Sewer Master Plan. This plan will recommend 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. This project will remove pollution discharges from septic tanks that currently enter the groundwater system, some of which impacts lakes and drinking water aquifers. Expected benefits include improved lake water quality, new water supplies and improved water quality of the Upper Floridan Aquifer.
3	Wastewater System Upgrades	City of Frostproof	The City recently completed an evaluation of the necessary wastewater system improvements required to maintain the current capacity, to protect against system failures due to storms or other natural events, and to increase capacity of the wastewater system to meet future demand and safeguard the health of system users and the environment. The recommended improvements include construction of a pretreatment system (headworks) at the WWTP, expansion of the effluent disposal system (RIBs), and purchase and installation of lift station generators. The City currently has no pretreatment/headworks system. This project includes all components for the headworks (i.e. control panel, screen, compactor, girt system, stairs/walkway sensor, other related appurtenances, delivery, start-up, training as well as any design, permitting, and construction administration costs). The City of Frostproof is not a financially advantaged community. At least a one third of the City's population is below the poverty line which makes increasing utility rates to meet additional debt difficult. As a result, the City of Frostproof is submitting this application to request funding assistance to complete the Wastewater System Improvements Project.
3	ASR Wellfield Construction at WWTP #3	City of Winter Haven	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.

**Heartland Headwaters Protection and Sustainability Act Implementation
Table B - FY 2020-21 Project Descriptions (continued)**

Rank	Project Name	Member Government	Project Description
5	Alternative Water Supply Receiving Facilities	Polk County	Alternative water supplies generated by the PRWC will be delivered to utilities in northeast Polk County. The water will be delivered as a base flow (i.e. a constant rate), which will require a receiving station to facilitate re-pumping to members' systems. The project involves three separate 1 MGD storage tank and repump facilities. They would be sited next to each other with some shared facilities. Each station would have a GSR, pumps, chemical feed, generator, etc.
6	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.
7	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.
8	Williams Water Treatment Plant Clearwell Reliability	City of Lakeland	Construction of a second clearwell for the Williams Water Treatment Plant to provide redundancy in the current single point of failure scheme. This project will provide a more reliable source of drinking water for the City of Lakeland Water Utilities customers by not having a single point failure that could cause the Water Treatment Plant to go offline for repairs.
9	English Oaks Force Main Completion	City of Lakeland	Installation of approximately 25,000 ft of 16-in to 30-in force main to complete this partially installed project that provides wastewater service to the southeast portion of Lakeland. This portion of Lakeland is expanding quickly and currently does not have ample service. Without wastewater service, residents would have to use private septic systems that is not beneficial to groundwater supplies.
9	One Water Master Plan Land Acquisition	City of Winter Haven	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. Subsequently, the City hired Chastain Skillman Engineers to develop the Wetland Screening Project Technical Memorandum that developed ranking criteria and used those criteria to identify 168 sites in the Winter Haven area of the Peace Creek watershed that can benefit water resources. Winter Haven staff prioritized 5 of the sites that met multiple interests, including watershed restoration, water supply, flood attenuation, and water quality as well as recreational, aesthetic and economic benefits, and has included funds in the 5 year Capital Improvement Plan to begin acquiring fee simple and easement interests to store water on these sites.
11	Plymouth Rd Watermain Extension	City of Auburndale	This project will complete a water distribution loop between Berkley Rd and Moss Rd, providing more reliable water service and better quality to the area.
12	Holly Hill Lower Floridan Aquifer Well	Polk County	The Regional Water Supply Plan for the Central Florida Water Initiative anticipates that traditional water supplies (i.e. the Upper Floridan Aquifer) will not be able to meet future demands in the region. Therefore, utilities must seek alternative water supplies, such as the Lower Floridan Aquifer. This project will result in a new Lower Florida Aquifer well at the Holly Hill Water Production Facility.
13	Berkley Road Water Treatment Plant Pump Capacity Expansion	City of Auburndale	This project will increase the pumping capacity and reliability of the Berkley Road water treatment plant. This is the first phase of the plan to increase the plant's capabilities. These improvements will assist in the wheeling of water for the Polk Regional Water Cooperative.
14	SW Lakeland Water Expansion	City of Lakeland	Installation of approximately 20,000 ft of 16-in water main to provide water service to the southeast portion of Lakeland for an additional 3,000 homes. This portion of Lakeland is expanding quickly and currently does not have any service. Without water service, development likely will not happen.
14	SW Lakeland Sewer Upgrades	City of Lakeland	Installation of approximately 12,700 ft of 16-in force main to provide wastewater service to the southeast portion of Lakeland for an additional 3,000 homes. This portion of Lakeland is expanding quickly and currently does not have ample service. Without wastewater service, residents would have to use private septic systems that is not beneficial to groundwater supplies.
14	Centrifuge Upgrade	City of Auburndale	This project will upgrade the City's residual (sludge) processing equipment which will reduce the volume generated at the wastewater treatment plant by more efficient dewatering of materials.
14	Alternative Water Supply Transmission Loop Phase I	City of Winter Haven	The City of Winter Haven is located in the CFWI and Southern Water Use Caution Area Region and is the headwaters of the Peace River and Floridan Aquifer Systems. The City currently has 4MGD of highly treated reuse available that could augment water supplies, irrigate lawns and landscaping, recharge aquifers and provide a source of water for restoration opportunities. The City anticipates that the quantity of water available will increase to at least 20MGD through the life expectancy of this project. The proposed project is the first phase of a proposed reuse pipe loop around the City and involves design and construction of approx. 23,250 feet of new 24" pipeline that will transmit treated water from the south side of Winter Haven that will connect to other alternative water supplies. This is a critical project to interconnect the City's existing reclaimed/alternative water system and will provide additional water to an area having trouble keeping up with demand. This project would also allow for aquifer recharge and wetland storage in a highly impacted watershed. The overall Winter Haven Reuse Loop Project will enhance water storage and aquifer recharge and corresponds with the One Water Master Plan and the Sapphire Necklace wetland storage project area.

Attachment: 20201103 FY 21-22 Polk County Water Resources Report (7830 : Heartland Headwaters

**Heartland Headwaters Protection and Sustainability Act Implementation
Table C - FY 2021-22 Project Cost and Rank**

Priority Ranking*	Project Name	Member Government	Estimated Completion Date	Total Project Cost (All Years)	Total Project Cost (FY 21-22)	State Funding Requested (FY 21-22)	Local Gov. Funding (FY 21-22)	Other Funds (FY 21-22)
Approved	West Polk Lower Floridan Aquifer Project - Phase I	*PRWC / LKLD	December 2021	\$ 8,727,284	\$ 2,968,026	\$ 989,342	\$ 989,342	\$ 989,342
Approved	Peace Creek Integrated Water Supply Plan - Phase I	*PRWC / WH	December 2021	\$ 1,880,250	\$ 986,064	\$ 328,688	\$ 328,688	\$ 328,688
Approved	Peace River and Land Use Transitions	*PRWC / BoCC	December 2021	\$ 888,600	\$ 478,580	\$ 159,527	\$ 159,527	\$ 159,527
Subtotal for Projects Submitted to the CFWI				\$ 11,496,134	\$ 4,432,670	\$ 1,477,557	\$ 1,477,557	\$ 1,477,557
Rank	Project Name	Member Government						
1	Wastewater Pump Station Replacements	City of Eagle Lake	March 2022	\$ 980,000	\$ 900,000	\$ 900,000	\$ -	\$ -
1	Septic to Sewer Program	City of Winter Haven	September 2025	\$ 16,000,000	\$ 4,000,000	\$ 1,000,000	\$ 1,000,000	\$ 2,000,000
3	Wastewater System Upgrades	City of Frostproof	FY 2022	\$ 2,064,045	\$ 2,064,045	\$ 1,831,345	\$ 169,900	\$ 62,800
3	ASR Wellfield Construction at WWTP #3	City of Winter Haven	September 2022	\$ 6,100,000	\$ 5,500,000	\$ 1,375,000	\$ 1,375,000	\$ 2,750,000
5	Alternative Water Supply Receiving Facilities	Polk County	June 2023	\$ 7,500,000	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ -
6	Lake Howard Watershed Treatment Enhancement	City of Winter Haven	Summer 2023	\$ 1,500,000	\$ 750,000	\$ 375,000	\$ 375,000	\$ -
6	Lake May and Shipp Restoration	City of Winter Haven	2025	\$ 30,000,000	\$ 5,000,000	\$ 4,000,000	\$ 1,000,000	\$ -
8	Williams Water Treatment Plant Clearwell Reliability	City of Lakeland	Fall 2021	\$ 13,000,000	\$ 6,500,000	\$ 6,500,000	\$ -	\$ -
9	English Oaks Force Main Completion	City of Lakeland Water	Fall 2021	\$ 17,836,170	\$ 12,000,000	\$ 12,000,000	\$ -	\$ -
9	One Water Master Plan Land Acquisition	City of Winter Haven	September 2025	\$ 49,500,000	\$ 5,000,000	\$ 2,500,000	\$ 2,500,000	\$ -
11	Plymouth Rd Watermain Extension	City of Auburndale	March 2022	\$ 80,000	\$ 80,000	\$ 40,000	\$ 40,000	\$ -
12	Holly Hill Lower Floridan Aquifer Well	Polk County	June 2022	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ -
13	Berkley Road Water Treatment Plant Pump Capacity Expansion	City of Auburndale	February 2022	\$ 150,000	\$ 150,000	\$ 75,000	\$ 75,000	\$ -
14	SW Lakeland Water Expansion	City of Lakeland	Summer 2022	\$ 3,000,000	\$ 1,700,000	\$ 1,700,000	\$ -	\$ -
14	Centrifuge Upgrade	City of Auburndale	July 2022	\$ 300,000	\$ 300,000	\$ 150,000	\$ 150,000	\$ -
14	Southwest Lakeland Sewer Upgrades	City of Lakeland	Summer 2021	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ -	\$ -
14	Alternative Water Supply Transmission Loop Phase I	City of Winter Haven	September 2023	\$ 9,100,000	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000	\$ -
Subtotal for Non-CFWI Local Projects				\$ 162,610,215	\$ 55,444,045	\$ 39,946,345	\$ 10,684,900	\$ 4,812,800
TOTAL FOR ALL PRWC MEMBER PROJECTS				\$ 174,106,349	\$ 59,876,715	\$ 41,423,902	\$ 12,162,457	\$ 6,290,357
NOTES:								
<p>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.</p> <p>NR - Indicates that these projects are being implemented by the identified local government using their own funds or other non-state matching funds.</p> <p>* In many cases, projects received equivalent scores so are ranked equally.</p>				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)

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.
 - **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

Rank	Project Name	Member Government
1	Wastewater Pump Station Replacements	City of Eagle Lake
1	Septic to Sewer Program	City of Winter Haven
3	Wastewater System Upgrades	City of Frostproof
3	ASR Wellfield Construction at WWTP #3	City of Winter Haven
5	Alternative Water Supply Receiving Facilities	Polk County
6	Lake Howard Watershed Treatment Enhancement	City of Winter Haven
6	Lake May and Shipp Restoration	City of Winter Haven
8	Williams Water Treatment Plant Clearwell Reliability	City of Lakeland
9	English Oaks Force Main Completion	City of Lakeland Water
9	One Water Master Plan Land Acquisition	City of Winter Haven
11	Plymouth Rd Watermain Extension	City of Auburndale
12	Holly Hill Lower Floridan Aquifer Well	Polk County
13	Berkley Road Water Treatment Plant Pump Capacity Expansion	City of Auburndale
14	SW Lakeland Water Expansion	City of Lakeland
14	Centrifuge Upgrade	City of Auburndale
14	Southwest Lakeland Sewer Upgrades	City of Lakeland
14	Alternative Water Supply Transmission Loop Phase I	City of Winter Haven

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

For the Fiscal Year Beginning July 1, 2021 and ending on June 30, 2022 the amount of state funding support required to implement these projects is \$41,423,902. Additional information on each of these projects can be found in Appendix A.

Appendix A

Member-government Project Forms



**Polk Regional Water Cooperative
FY 2021 Water Project Form**

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.

Other member governments if a multi-jurisdictional project:

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).	\$300,000
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$300,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$150,000
Applicant's share of FY 2021 cost.	\$150,000
Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Berkley Road Water Treatment Plant Pump Capacity Expansion

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:** 863- 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 will increase the pumping capacity and reliability of the Berkley Road water treatment plant . This is the first phase of the plan to increase the plant's capabilities. These improvements will assist in the wheeling of water for the Polk Regional Water Co operative.

Other member governments if a multi-jurisdictional project:

Lakeland, Lake Alfred and potentially others

Funding sources, if outside funding sought. City of Auburndale Capital Improvements Program

Estimated Completion Date: Feb-22

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).	\$150,000
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$150,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$75,000
Applicant's share of FY 2021 cost.	\$75,000
Outside share of FY 2021 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.

Attachment: 20201103 FY 21-22 Polk County Water Resources Report (7830 : Heartland Headwaters Protection & Sustainability Act Report- FY



Polk Regional Water Cooperative
 FY 2021 Water Project Form

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.

Other member governments if a multi-jurisdictional project:

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).	\$80,000
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$80,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$40,000
Applicant's share of FY 2021 cost.	\$40,000
Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Wastewater System Upgrades

APPLICANT

Agency Name: City of Frostproof

CONTACT

Name: JT Torrance **Title:** Public Works Director

Email Address: jtorrance@cityoffrostproof.com

Mailing Address: PO Box 308, Frostproof, FL 33843

Office Phone: 863-635-7855 **Mobile Phone:** 863-528-2184

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 Frostproof is located in southern Polk County on the Lake Wales Ridge with an estimated population of 3,176, based on US Census data. The City owns, operates, and maintains its wastewater system with an approximate service area of 27.7 square miles. The wastewater system includes a 0.50 million gallons per day (MGD) wastewater treatment plant located at 98 North Lake Reedy Blvd., a 0.25 MGD Rapid Infiltration Basins (RIBs) effluent disposal system located north of East F Street and East of US 17, 13 lift stations, roughly 17 miles of sewer pipe, and other related appurtenances. Over the years, the City has acquired an excessive amount of debt to make repairs and upgrade the utility systems when feasible to meet demand. Repairs and upgrades have been tempered based on the funds available and the ability of system users to pay their bills. Currently, the minimum mandatory residential utility bill is \$50 per month. The City of Frostproof is not a financially advantaged community. At least a one third of the City's population is below the poverty line which makes increasing utility rates to meet additional debt difficult. As a result, the City of Frostproof is submitting this application to request funding assistance to complete the Wastewater System Improvements Project.

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

Recently, the City completed an evaluation of the necessary wastewater system improvements required to maintain the current capacity, to protect against system failures due to storms or other natural events, and to increase capacity of the wastewater system to meet future demand and safeguard the health of system users and the environment. The recommended improvements include construction of a pretreatment system. The estimated cost to complete the proposed City of Frostproof Wastewater System Improvements Project is \$2,064,445. It is anticipated that this project will benefit the entire City of Frostproof service area which is roughly 42.77% low to moderate income. A more detailed description of each of the recommended improvements included in this project is below.

Headworks

The City of Frostproof currently has no pretreatment/headworks system which plays a crucial role in the pretreatment influent for any wastewater treatment facility. It protects the operation of downstream equipment and enhances the efficiency of the overall wastewater treatment process from any disaster. Because all wastewater debris starts at the headworks, proper screening and debris removal is imperative to the entire wastewater system. Pretreatment devices are designed to remove or reduce large solids like wood, cloth, paper and plastics, while also dealing with grit and excessive amounts of oil and grease. The City engaged Kimley-Horn and Associates, Inc. to evaluate the requirements of the system. Kimley-Horn prepared 90% plans and technical specifications for this improvement. The estimated cost to complete this improvement is \$667,292 and includes all components for the headworks (i.e. control panel, screen, compactor, girt system, stairs/walkway sensor, other related appurtenances, delivery, start-up, training as well as any design, permitting, and construction administration costs). The City has budgeted \$169,900 from the City's Enterprise Fund toward completion of this project. The City will competitively bid this improvement separately or

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

Rapid Infiltration Basin (RIBs) Expansion
 The City of Frostproof has determined that expansion of the City’s wastewater effluent disposal system is required to meet the ever-increasing demands of the City’s wastewater treatment system. To accomplish this goal, expansion of the City’s Rapid Infiltration Basins (RIBs) system is a necessary improvement.
 The RIBs currently have a permitted capacity of 0.250 MGD. Increasing the City’s effluent disposal capacity provides possible benefits such as:

- Allows the City to receive more influent wastewater and meet future wastewater demands
- Provides public access reuse reducing potable water use for irrigation
- Land Application as opposed to surface water discharge greatly reduces nutrients entering water bodies and their tributaries
- Potential to directly recharge the surficial aquifer
- Provides/increases WWTP capacity to process increased flows from storm events.

The City engaged Kimley-Horn and Associates, Inc. to evaluate and design expansion of the RIBs. Partial funding for design costs will be provided by the Florida Department of Environmental Protection (FDEP) State Revolving Fund (SRF) Program (\$62,800). The balance of funds required to complete design and construction of this improvement will be included in this application. The estimated of cost to complete this improvement is \$551,000. Once design is complete, the City will competitively bid this improvement separately or combined with other proposed wastewater system improvements included in this application. The City’s effluent disposal system (RIBs) is located north of East F

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

Re-Pump Lift Station Generators
 Florida Administrative Code (FAC) 62-604.400(2)(a)(1) requires that: “Pump stations that receive flow from one or more pump stations through a force main or pump stations discharging through pipes 12 inches or larger shall provide for uninterrupted pumping capabilities, including an in-place emergency generator.”
 Unfortunately, none of the City’s lift stations meeting these specifications have backup generators. Installation of the required generators will allow the City to comply with FAC standards as well as maintain operation for all the City’s lift stations. It is anticipated that the City will purchase 14 generators to be installed at the same number of lift stations throughout the City’s service area. The City has completed an evaluation of the system to determine the specifications for the needed generators. Based on this, the City has estimated the cost for purchase and installation of the generators is \$693,231. The City will follow all procurement requirements of this program to procure the generators and complete installation.

Grant Management
 This application request also includes a line item for costs for grant management. If funding is award, the City intends to solicit proposals from and then engage a qualified firm to monitor compliance with the requirements of this program and ensure all regulations are followed, including Davis-Bacon. This firm will serve as an extension of City staff to coordinate with the funding agency and any other agency which may have an interest

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

Funding sources, if outside funding sought.

CDBG Mitigation General Infrastructure

Estimated Completion Date:

Fiscal Year 2022

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).	\$2,064,045
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$2,064,045
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$1,831,345
Applicant's share of FY 2021 cost.	\$169,900
Outside share of FY 2021 cost.	\$62,800

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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Replacement of Two Outdated Pump Stations

APPLICANT

Agency Name: City of Eagle Lake

CONTACT

Name: Tom Ernharth **Title:** City Manager

Email Address: Ternharth@eaglelake-fal.com

Mailing Address: 75 N 7th Street, Eagle Lake, FL 33839

Office Phone: 863.293.4141 **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.

Construction of two wastewater pumping stations with emergency generators to replace aging existing pumping stations located at a park very near to Eagle Lake, and at a low next to Lake McLeod, respectively. Both pumping stations are located in sensitive areas that would create surface water contamination should the existing pumps or power fail. Project is already designed and permitted.

Other member governments if a multi-jurisdictional project:

None

Funding sources, if outside funding sought. No other outside funding sources

Estimated Completion Date: Mar-22

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).	\$980,000
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$900,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$900,000
Applicant's share of FY 2021 cost.	\$0
Outside share of FY 2021 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 2021 Water Project Form

BASIC INFORMATION

Project Name: English Oaks Force Main Completion

APPLICANT

Agency Name: City of Lakeland Water Utilities

CONTACT

Name: Robert Kniss Title: Professional Engineer

Email Address: robert.kniss@lakelandgov.net

Mailing Address: 501 E. Lemon St., Lakeland, FL 33801

Office Phone: (863) 834-8316 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.
 Installation of approximately 25,000 ft of 16-in to 30-in force main to complete this partially installed project that provides wastewater service to the southeast portion of Lakeland. This portion of Lakeland is expanding quickly and currently does not have ample service. Without wastewater service, residents would have to use private septic systems that is not beneficial to groundwater supplies.

Other member governments if a multi-jurisdictional project:

Funding sources, if outside funding sought. Without this funding, Lakeland will have to incur debt, likely through State Revolving Loan

Estimated Completion Date: Fall 2021

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$17,836,170

Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); must add up to the total of the following three questions. \$12,000,000

Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022 \$12,000,000

Applicant's share of FY 2021 cost. \$0

Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: SW Lakeland Water Expansion

APPLICANT

Agency Name: City of Lakeland Water Utilities

CONTACT

Name: Robert Kniss **Title:** Professional Engineer

Email Address: robert.kniss@lakelandgov.net

Mailing Address: 501 E. Lemon St., Lakeland, FL 33801

Office Phone: (863) 834-8316 **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

Project Description: Objectives, benefits, purpose, goals.

Installation of approximately 20,000 ft of 16-in water main to provide water service to the southeast portion of Lakeland for an additional 3,000 homes. This portion of Lakeland is expanding quickly and currently does not have any service. Without water service, development likely will not happen.

Other member governments if a multi-jurisdictional project:

Without this funding, Lakeland will have to incur debt and determine funding source

Funding sources, if outside funding sought.

Without this funding, Lakeland will have to incur debt and determine funding source

Estimated Completion Date: Summer 2022

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).	\$3,000,000.00
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); must add up to the total of the following three questions.	\$1,700,000.00
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$1,700,000.00
Applicant's share of FY 2021 cost.	\$0.00
Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: SW Lakeland Sewer Upgrades

APPLICANT

Agency Name: City of Lakeland Water Utilities

CONTACT

Name: Robert Kniss **Title:** Professional Engineer

Email Address: robert.kniss@lakelandgov.net

Mailing Address: 501 E. Lemon St., Lakeland, FL 33801

Office Phone: (863) 834-8316 **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

Project Description: Objectives, benefits, purpose, goals.
 Installation of approximately 12,700 ft of 16-in force main to provide wastewater service to the southeast portion of Lakeland for an additional 3,000 homes. This portion of Lakeland is expanding quickly and currently does not have ample service. Without wastewater service, residents would have to use private septic systems that is not beneficial to groundwater supplies.

Other member governments if a multi-jurisdictional project:
 Without this funding, Lakeland will have to incur debt and determine funding source

Funding sources, if outside funding sought.

Estimated Completion Date: Summer 2021

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs).	\$3,500,000.00
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$3,500,000.00
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$3,500,000.00
Applicant's share of FY 2021 cost.	\$0.00
Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Williams Water Treatment Plant Clearwell Reliability

APPLICANT

Agency Name: City of Lakeland Water Utilities

CONTACT

Name: Robert Kniss **Title:** Professional Engineer

Email Address: robert.kniss@lakelandgov.net

Mailing Address: 501 E. Lemon St., Lakeland, FL 33801

Office Phone: (863) 834-8316 **Mobile Phone:** n/a

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.
 Construction of a second clear well for the Williams Water Treatment Plant to provide redundancy in the current single point of failure scheme. This project will provide a more reliable source of drinking water for the City of Lakeland Water Utilities customers by not having a single point failure that could cause the Water Treatment Plant to go offline for repairs.

Other member governments if a multi-jurisdictional project:

Funding sources, if outside funding sought. Without this funding, Lakeland will have to incur debt, likely through State Revolving Loan

Estimated Completion Date: Fall 2021

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$13,000,000.00

Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); must add up to the total of the following three questions. \$6,500,000.00

Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022 \$6,500,000.00

Applicant's share of FY 2021 cost. \$0.00

Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Alternative Water Supply Receiving Facilities

APPLICANT

Agency Name: Polk County

CONTACT

Name: Krystal Azzarella **Title:** Utilities Environmental Affairs Manager

Email Address: KrystalAzzarella@polk-county.net

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

Office Phone: (863) 298-4195 **Mobile Phone:** (863) 393-5776

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.
 Alternative water supplies generated by the Polk Regional Water Cooperative will be delivered to utilities in northeast Polk County. The water will be delivered as a base flow (i.e. a constant rate), which will require a receiving station to facilitate re-pumping to members' systems. The project involves three separate 1 MGD storage tank and repump facilities. They would be sited next to each other with some shared facilities. Each station would have a GSR, pumps, chemical feed, generator,

Other member governments if a multi-jurisdictional project:
 City of Davenport, City of Haines City

Funding sources, if outside funding sought. _____

Estimated Completion Date: 6/1/2023

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction, land acquisition, planning, permitting, design costs). \$7,500,000

Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); must add up to the total of the following three questions. \$2,000,000

Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022 \$1,000,000

Applicant's share of FY 2021 cost. \$1,000,000

Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Holly Hill Lower Floridan Aquifer Well

APPLICANT

Agency Name: Polk County

CONTACT

Name: Krystal Azzarella **Title:** Utilities Environmental Affairs Manager

Email Address: KrystalAzzarella@polk-county.net

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

Office Phone: (863) 298-4195 **Mobile Phone:** (863) 393-5776

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 Regional Water Supply Plan for the Central Florida Water Initiative anticipates that traditional water supplies (i.e. the Upper Floridan Aquifer) will not be able to meet future demands in the region. Therefore, utilities must seek alternative water supplies, such as the Lower Floridan Aquifer. This project will result in a new Lower Florida Aquifer well at the Holly Hill Water Production Facility.

Other member governments if a multi-jurisdictional project:

Funding sources, if outside funding sought. _____

Estimated Completion Date: 6/30/2022

PROJECT COST INFORMATION

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

Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); must add up to the total of the following three questions. \$2,000,000

Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022 \$1,000,000

Applicant's share of FY 2021 cost. \$1,000,000

Outside share of FY 2021 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 2021 Water Project Form**

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 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.

Subsequently, the City hired Chastain Skillman Engineers to develop the Wetland Screening Project Technical Memorandum that developed ranking criteria and used those criteria to identify 168 sites in the Winter Haven area of the Peace Creek watershed that can benefit water resources. Winter Haven staff prioritized 5 of the sites that met multiple interests, including watershed restoration, water supply, flood attenuation, and water quality as well as recreational, aesthetic and economic benefits, and has included funds in the 5 year Capital Improvement Plan to begin acquiring fee simple and easement interests to store water on these sites.

Other member governments if a multi-jurisdictional project:

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).	\$49,500,000 over five years
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); must add up to the total of the following three questions.	\$5,000,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$2,500,000
Applicant's share of FY 2021 cost.	\$2,500,000
Outside share of FY 2021 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 2021 Water Project Form**

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.

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:

Funding sources, if outside funding sought:

Estimated Completion Date:

PROJECT COST INFORMATION

Total estimated project cost (includes capital, construction,

Portion of total project cost which occurs from July 1, 2021 -

Portion of FY 2021 cost requested from State Legislature, July 1,

Applicant's share of FY 2021 cost.

Outside share of FY 2021 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 2021 Water Project Form

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.

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 (10,500) 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 proposed project will construct recommended projects from an on-going Septic to Sewer Master Plan. This plan will recommend 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. This project will remove pollution discharges from septic tanks that currently enter the groundwater system, some of which impacts lakes 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:

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).	\$16,000,000 - Project is a multi-year budgeted for \$4,000,000/year
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$4,000,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$1,000,000
Applicant's share of FY 2021 cost.	\$1,000,000
Outside share of FY 2021 cost.	\$2,000,000

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 2021 Water Project Form**

BASIC INFORMATION

Project Name: ASR Wellfield Construction at WWTP #3

APPLICANT

Agency Name: City of Winter Haven

CONTACT

Name: Mark W. Bombard Title: Capital Improvement Administrator

Email Address: mbombard@mywinterhaven.com

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

Office Phone: 863-298-5351 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:

Funding sources, if outside funding sought. FDEP, Protect Florida Together Grant 8/28/2020

Estimated Completion Date: Sep-22

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, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$5,500,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$1,375,000
Applicant's share of FY 2021 cost.	\$1,375,000
Outside share of FY 2021 cost.	\$2,750,000

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 2021 Water Project Form**

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.**

The City of Winter Haven is located in the CFWI and Southern Water Use Caution Area Region and is at the headwaters of both the Peace River and Floridan Aquifer System. The City currently has 4MGD of highly treated reuse water available that could augment water supplies, irrigate lawns and landscaping, recharge aquifers and provide a source of water for restoration opportunities. The City anticipates that the quantity of water available will increase to at least 20MGD through the life expectancy of this project.
 The proposed project is the first phase of proposed reuse pipe loop around Winter Haven and will design and construct approximately 23,250 feet of new 24" pipeline that will transmit treated water from the south side of Winter Haven that will connect to other alternative water supplies. This is a critical project to interconnect the City's existing reclaimed/alternative water system and will provide additional water to an area having trouble keeping up with demand. This project would also allow for aquifer recharge and wetland storage in a highly impacted watershed. The overall Winter Haven Reuse Loop Project will enhance water storage and aquifer recharge and corresponds with the One Water Master Plan and the Sapphire Necklace wetland storage project area.

Other member governments if a multi-jurisdictional project:

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).	\$9,100,000
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$4,000,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$2,000,000
Applicant's share of FY 2021 cost.	\$2,000,000
Outside share of FY 2021 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 2021 Water Project Form**

BASIC INFORMATION

Project Name: Lake May and Shipp Restoration

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) 299-6341

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, which are part of the City's Winter Haven 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.

Other member governments if a multi-jurisdictional project: 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).	\$30,000,000
Portion of total project cost which occurs from July 1, 2021 - June 30, 2022 (FY 2021); <u>must add up to the total of the following three questions.</u>	\$5,000,000
Portion of FY 2021 cost requested from State Legislature, July 1, 2021 - June 30, 2022	\$4,000,000
Applicant's share of FY 2021 cost.	\$1,000,000
Outside share of FY 2021 cost.	N/A

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.

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #5

SUBJECT

Mediator/Facilitator Progress Update

DESCRIPTION

John Fumero and Carlyn Kowalski with Nason Yeager will provide an update to the Board on mediation efforts and the upcoming member workshop in December. The workshop will provide an overview of the project selection process and current status of each of the projects, along with a discussion of funding mechanisms and criteria, technical assumptions, and financial projections in support of determining the course of future project phases.

**As of the publish date, Nason Yeager is working on information to be provided the meeting.*

RECOMMENDATION

FISCAL IMPACT

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #6

SUBJECT

Conservation Demand Management Plan Strategic Implementation - UF/IFAS contract (ACTION ITEM)

DESCRIPTION

In September, the Board was presented with the results of the Demand Management Plan developed on behalf of the PRWC. The Plan outlined a strategy which, if followed, has the potential to lower PRWC demands by 5 MGD in 2040 through active conservation measures. The presentation indicated that an agreement between PRWC and the University of Florida/Institute of Food and Agricultural Safety (UF/IFAS) for UF/IFAS to serve as 3rd party in support of member governments which have no dedicated staff was being drafted, under which UF/IFAS would implement the preferred programs described in the Plan. A Memorandum of Understanding (MOU) including a Scope of Work has now been drafted and reviewed by both parties. In short, the PRWC's *Demand Management Plan Strategic Implementation Project* includes several conservation-focused programs to be administered, implemented, and evaluated by UF/IFAS, as a third-party entity, with staff hired, housed, and supervised through the local UF/IFAS office.

This presentation serves two goals. The first is to issue a welcome correction to the September presentation which stated that the savings resulting from the deferment of AWS would up to \$29M by 2040. Further review of the information has resulted in an updated savings of \$93 million. The second purpose is to present a summary of the UF/IFAS scope of work, and to request board action to approve an agreement between UF/IFAS and the PRWC. The duration of the contract is 18 months. The contract total is \$168,710 but will be cofunded by the SWFWMD (up to 25%) and may also be cofunded with a CFWI grant.

RECOMMENDATION

Staff recommend approval of the agreement between UF/IFAS for 3rd party support of the Demand Management Plan Strategic Implementation program.

FISCAL IMPACT

Contract total - \$168,710.00 to be cofunded by the SWFWMD (up to 25%) and anticipated cofunded with a CFWI grant.

Your region, Your water, Your voice at the table



Polk Regional
Water Cooperative



RAFTELIS



WRIGHT-PIERCE
Engineering a Better Environment

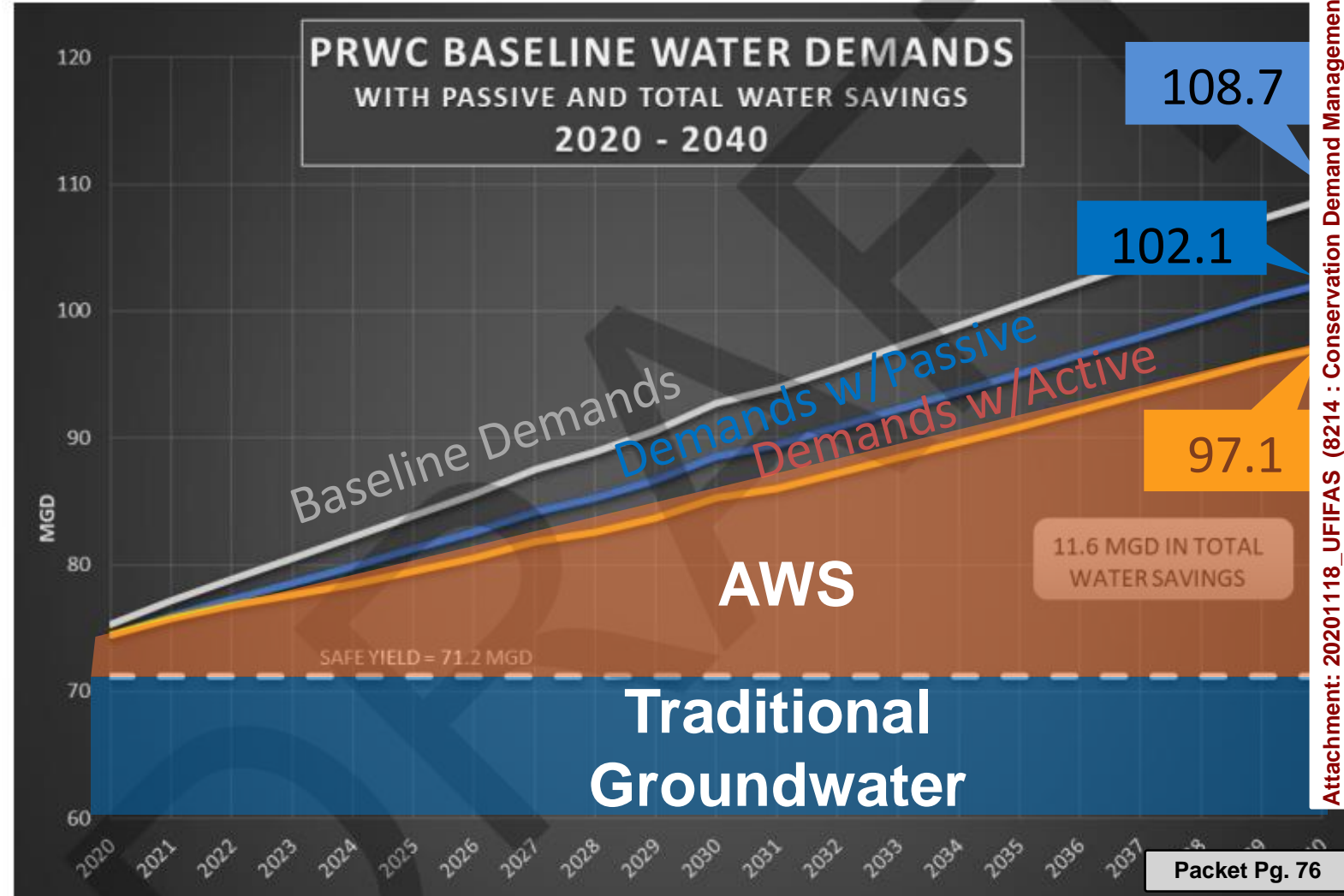
PRWC Board of Directors Demand Management Plan

Wednesday, November 18, 2020

Attachment: 20201118_UFIPAS (8214 : Conservation Demand Management Plan Strategic

In September, we reported that demands could decline significantly through conservation.

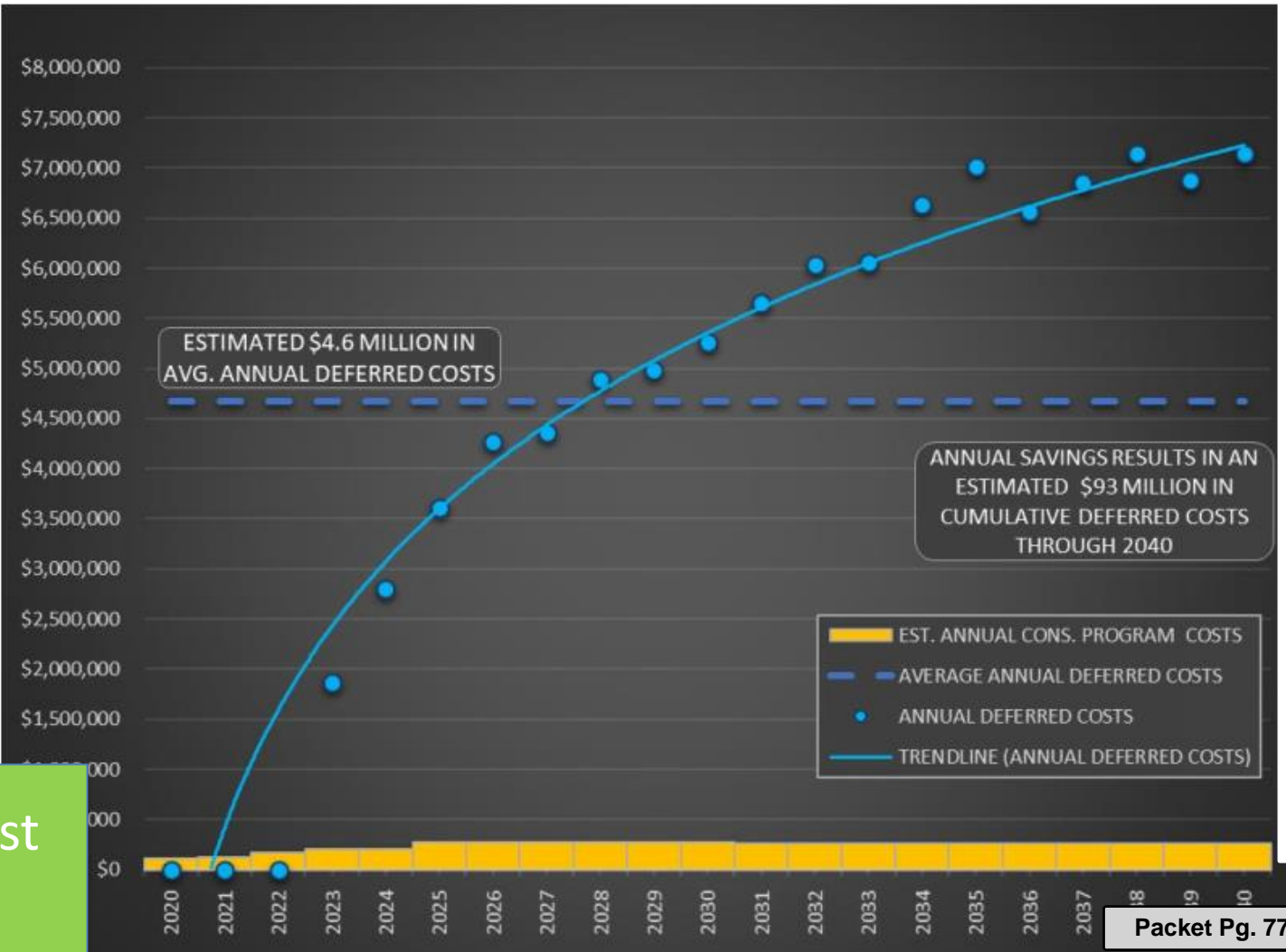
- 2018 PRWC-provided water demands estimated to be 108.7 MGD in 2040.
- Passive conservation drops water need down to 102.1 MGD.
- Active conservation drops water need down to 97.1 MGD.
- **More conservation means lower 2040 demands.**



And we reported that deferred AWS means deferred costs.

- PRWC members are faced with a potential increase in water supply cost from \$2/kgal or less (for traditional supply) to up to \$6/kgal for AWS.
- Comparing the cost of implementing conservation programs to the cost of AWS, this could mean a savings of up to \$4.6M per year.
- Deferring AWS capital means a savings of up to \$93M in 2040.**

Increase over Last month report.



We promised to come back to you with a request for 3rd party support.

- Additional resources are required to meet the conservation goals estimated in the Demand Management Plan.
- UF/IFAS has long been a partner to member governments, and has the resources to further conservation efforts in a cost-effective way.



UF/IFAS Extension/PRWC Partnership Demand Management Plan Strategic Implementation

Polk Regional Water Cooperative
Board Meeting
November 18, 2020

We will talk about...

- What services UF/IFAS Extension has historically provided your PRWC members
- What the Demand Management Plan Strategic Implementation Program Involves
- How we can continue our successful partnership to conserve water.
- What happens next?

Residential Horticulture Program at UF/IFAS Extension Polk County

- Florida-Friendly Landscaping™ practices
- Homeowners, local government, garden association members, schools, youth

OBJECTIVES:

- Reduce fertilizer and pesticide use
- Reduce water use
- Select the right plant for the right place



Our activities add up: Cost Savings

Program Residential Horticulture Florida Friendly Landscaping™ Program	Activity	Impact: Cost of outside vendors performing services/Value of services provided to community at no cost
Classes for sustainable landscaping	Clients instructed on water conservation, reduced fertilizer & pesticides application	\$30 per person ^[1]
On site advising / diagnostic site visits (hourly rates can vary regionally): Yard Recognitions, Community Water Wise Evaluations, Irrigation Evaluations, Homeowner/School/Community Garden Site Visits	On-site education for homeowners, developments, offices, etc.	\$40 - \$150 per visit ^[2]
Comprehensive site evaluation	On-site evaluations for recognition of FFL landscape, conducted by extension agent	\$24.00 per hour, per person ^[3]
Telephone, email and office visitors advising	Education for homeowners, general public, etc. by extension agents	\$24.00 per hour ^[4]
Exhibits/displays: in person contacts	Education for homeowners, general public, etc. by extension agents	\$24.00 per hour ^[5]
Master Gardener volunteers working with FFL staff at various functions	Education for homeowners, general public, etc. by master gardeners	\$22.00 per hour ^[6]
FFL newspaper/magazine articles	Educating local newspaper audience on conservation/horticulture issues	\$100 - \$175 per column ^{[7][8]}
FFL state office landscape architects provide HOA common area design	Designing HOA common area to be Florida-Friendly	\$130 per hour ^[9]

Our activities add up: Water Savings

FFL Activity	Water Savings (gal/1,000 sq ft/yr)
Install expanding disk interrupt rain sensor	2,541 gallons
Calibrate sprinkler system to deliver ½” or ¾” water instead of 1”	7,942–15,884 gallons
Use UF/IFAS recommendations and calibrate sprinkler system to replace 60% ET instead of 100%	12,707 gallons
Install soil moisture sensor or evapotranspiration controller	11,118–22,872 gallons
Convert turfgrass area to landscaped bed with micro irrigation	15,569–31,767 gallons
Convert spray head nozzles to multi-stream, multi-trajectory (MSMT) nozzles	2,859 gallons
Install pressure compensating heads	2,224 gallons

Our activities add up: Water Savings

FFL Activity	Water Savings (gal/1,000 sq ft/yr)
Reduce irrigation from 3 days/week to 2 days/week	10,483 gallons
Reduce irrigation from 7 days/week to 2 days/week	22,555 gallons
Reduce irrigation frequency during the winter (Skip a Week)	8,259 gallons
Reduce irrigation frequency during the summer	5,718 gallons

Residential Horticulture Program

UF/IFAS Extension Polk County



POLK COUNTY HOMEOWNERS SAVED
27,240,505
GALLONS OF WATER
AS A RESULT OF ATTENDING
EDUCATIONAL PROGRAMMING
WORKSHOPS AND CLASSES



182
WORKSHOPS, PUBLIC EVENTS,
AND SITE CONSULTATIONS
5,600
PEOPLE REACHED

POLK COUNTY RESIDENTS SAVED
\$75,000+
FROM FREE PLANT CLINIC
CONSULTATIONS

MASTER GARDENER VOLUNTEERS DONATED
\$350,000
WORTH OF VOLUNTEER HOURS
EQUIVALENT TO **9.5**
FULL TIME EMPLOYEES

100
VOLUNTEERS DONATED
13,500+ HOURS



10,000+
YOUTH EDUCATED
IN AREAS OF STEM
TROUGH HORTICULTURAL ACTIVITIES



151
EDUCATIONAL
MATERIALS
CREATED

80%
OF HOMEOWNERS
INCREASED
THEIR KNOWLEDGE
ABOUT FLORIDA-FRIENDLY
LANDSCAPING
AFTER PARTICIPATING IN PROGRAMMING



73%
OF HOMEOWNERS MADE
FLORIDA-FRIENDLY LANDSCAPING
CHANGES TO THEIR YARDS
AFTER PARTICIPATING IN PROGRAMMING

Our Current Florida-Friendly Landscaping™ Program Partners

- City of Lakeland
 - Water Utilities
 - Lakes & Stormwater Division



- City of Haines City
 - Water Utilities



- Polk County
 - Natural Resources Division
 - BoCC



Benefits to Partnership

- Science-based data
 - Knowledge gain
 - Behavior change
- Conservation education for your residents
 - Can be specific projects, workshops or outreach events
- Education that can meet your conservation goals!



What the Demand Management Plan Strategic Implementation Program Involves

- Implementation of previously-funded and new conservation programs.
 - Toilet rebates
 - Irrigation evaluations
 - Smart irrigation controllers
 - School conservation kits
- Outreach programs specific to these programs.
 - Targeted-customer messaging to high-water users.
 - Targeted program messaging to eligible customers.
 - Education events
 - PRWC call-center support

What the Demand Management Plan Strategic Implementation Program Involves

- Administrative support
 - Customer eligibility research to identify customers to target
 - Customer eligibility verification and tracking
 - Billing data management
 - Monthly reporting
 - Smart irrigation controllers
- Other activities that benefit members!

What the Demand Management Plan Strategic Implementation Program Involves

- The fine print:
 - \$168,710 total fee
 - \$42,178-\$84,355 SWFWMD grant
 - \$0-\$84,355 CFWI grant
 - \$42,178-\$84,355 PRWC share
 - Anticipated support duration: 18 months

How we can continue our successful partnership to conserve water.

- Our team has had a long relationship with your members
 - Reduces the learning curve
 - Is cost effective.
- Our goals are consistent with yours.
 - We strive to provide scientific knowledge and expertise to the public.
 - Our programs support the protection of Florida's famous natural resources.
- **Your input is critical to our joint success.**

What happens next?

- Our staff will begin coordinating with lead PRWC conservation staff this month.
 - Polk County, Haines City, Winter Haven, and Lakeland have dedicated staff and will set the stage for what works and what does not.
 - Our staff will begin to reach out to other members for their thoughts on most critical needs.
- We will provide on-going updates and two-way communication to refine the program.

Action requested.

PRWC staff recommends executing an agreement with UF/IFAS for 3rd party support of the PRWC's Demand Management Plan Strategic Implementation.

UF/IFAS Extension Polk County

1702 US Hwy 17 South
Bartow, FL
(863) 519-1041

Visit us online at <http://sfyl.ifas.ufl.edu/polk>
Follow us on social media @PolkGardening



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (AGREEMENT) is made and entered into by and between the Polk Regional Water Cooperative (hereinafter "COOPERATIVE"), a special district of the State of Florida, and the University of Florida Board of Trustees (hereinafter "UNIVERSITY"), (hereinafter, when referred to individually as "party," and collectively, as "parties."

WITNESSETH

WHEREAS, under the laws of the State of Florida and the Smith-Lever Act of May 8, 1914 (38 Statute 372), the UNIVERSITY, through its Cooperative Extension Service (Extension), is charged with disseminating the latest knowledge and applicable technologies in agriculture, human and natural resources, and the life sciences to the public in order to sustain and enhance the quality of human life in the State of Florida; and

WHEREAS, this function is performed through the Extension, a partnership between state, federal, and county governments, that includes extension faculty members, scientists, educators, administrative staff, and volunteers working cohesively throughout Florida's 67 counties; and

WHEREAS, the Extension was established as an integral part of the Institute of Food and Agricultural Sciences (IFAS), University of Florida (hereinafter UNIVERSITY), for the purpose of extending non-biased, research-based educational information from the University to the people of the State of Florida on subjects related to agriculture, horticulture, water quality and quantity, natural resources and the environment, energy, family and consumer sciences, community development, 4-H youth development, and other programs deemed necessary; and

WHEREAS, UNIVERSITY represents that it is professionally qualified, that it possesses the requisite skills, knowledge and experience to provide the services described herein, and does offer to perform such services for the COOPERATIVE; and

WHEREAS, the COOPERATIVE has need for such services and agrees that the most cost effective means is through the Extension, upon the terms and conditions hereinafter set forth; and

WHEREAS, Section 163.01, Florida Statutes allows for interlocal agreements between public agencies such as the UNIVERSITY and the COOPERATIVE.

NOW, THEREFORE, in consideration of the mutual covenants and provisions contained herein, the Parties hereto agree as follows:

ARTICLE I
PURPOSE

The COOPERATIVE does hereby retain the UNIVERSITY to perform the services described in Article II and the UNIVERISTY does hereby agree to perform such services for the COOPERATIVE through IFAS upon the terms and conditions set forth in this AGREEMENT.

This AGREEMENT establishes the respective responsibilities of the UNIVERSITY and the COOPERATIVE.

ARTICLE II
GOALS AND OBJECTIVES

The UNIVERSITY shall perform and render as an independent contractor and not as an agent, representative, or employee of the COOPERATIVE, all the services described herein in a proper and satisfactory manner.

1. The UNIVERSITY shall assist the COOPERATIVE in accomplishing the goals and objectives concerning water conservation as outlined in **Exhibit "A"** which is attached and hereby incorporated into this AGREEMENT.
2. The UNIVERSITY shall accomplish the Tasks identified in **Exhibit "A"** and within the Budget included in **Exhibit "B"**, which is attached and hereby incorporated into this AGREEMENT.

ARTICLE III
CONSIDERATION FOR UNIVERSITY SERVICES

As consideration for services rendered by the UNIVERSITY under this AGREEMENT, the COOPERATIVE agrees to pay the UNIVERSITY as follows:

In consideration of the satisfactory performance and completion of the services to be provided by the UNIVERSITY, the COOPERATIVE agrees to pay the UNIVERSITY a total of **\$168,710.00** for services that are billed and were performed as described in **Exhibit "A"**. Individual payments shall be made on a quarterly basis in the amount actually documented as spent by the UNIVERSITY. Payment for services shall be made upon receipt of written approval by the COOPERATIVE Contract Manager of required reports, findings or drafts, and a valid invoice from the UNIVERSITY in detail sufficient for a proper pre-audit and post-audit.

ARTICLE IV
PERIOD OF CONTRACT - RENEWAL - MODIFICATION - TERMINATION

This AGREEMENT shall be effective on November 1, 2020 and shall continue through September 30, 2022, inclusive of all work products required under this AGREEMENT, unless modified or terminated earlier.

This AGREEMENT may be modified at any time by mutual written consent of both Parties herein above. This AGREEMENT may be terminated by either party without cause, by giving thirty (30) days written notice to the other party, said notice shall be sufficient if it is delivered as specified below. Upon termination by either party, the COOPERATIVE shall compensate the UNIVERSITY for work performed prior to receipt of notice or termination.

ARTICLE V
MAINTENANCE OF RECORDS

UNIVERSITY will keep adequate records and supporting documentation applicable to this contractual matter. Said records and documentation will be retained by UNIVERSITY for a minimum of five (5) years from the date of termination of this AGREEMENT. The COOPERATIVE and its authorized agents shall have the right to audit, inspect and copy all such records and documentation as often as the

COOPERATIVE deems necessary during the period of this AGREEMENT and during the period of five (5) years thereafter; providing, however, such activity shall be conducted only during normal business hours. The COOPERATIVE during the period of time expressed by the preceding sentence shall also have the right to obtain a copy of and otherwise inspect any audit made at the direction of UNIVERSITY as concerns the aforesaid records and documentation.

ARTICLE VI INDEMNIFICATION

To the extent authorized by Florida law, the parties shall hold harmless each other and/or all of their officers, employees or agents from any and all suits, claims, demands, actions or causes of action, judgments, liability, loss, damage, attorney's fees, court costs or expenses of any kind, which each party, its officers, employees and agents may incur arising from the negligence of either party during performance of any provisions of this AGREEMENT. The UNIVERSITY and the COOPERATIVE further agree that nothing contained herein shall be construed or interpreted as (1) denying to either party any remedy or defense available to such party under the laws of the State of Florida; (2) the consent of the State of Florida or its agents, agencies and subdivisions, to be sued; or (3) a waiver of sovereign immunity of the State of Florida or its agents, agencies and subdivisions, beyond the waiver provided in Section 768.28, Florida Statutes.

UNIVERSITY, as a state agency warrants and represents that it is self-funded for liability insurance, both public and property, with said protection being applicable to officers, employees, servants and agents while acting within the scope of their employment by the UNIVERSITY. The COOPERATIVE warrants and represents that it has liability insurance, both public and property with such protection being applicable to officers, employees, servants and agents while acting within the scope of their employment by the COOPERATIVE.

In the event that both parties are determined or found to be negligent, then to the extent authorized by Section 768.28, Florida Statutes, and/or other limiting law providing for sovereign immunity, each shall bear its proportionate share of the negotiated or adjusted liability. Each party and/or its insurer shall have the ultimate responsibility for defense and payment of any suit, claim, demand, cause of action, judgment, liability, loss, damage, attorney's fees, court costs, and expenses of any kind arising out of or as a result of this agreement, to the extent that each or either party is named a defendant. Nothing contained herein shall prejudice the right of either party to look to a liability insurer for defense, and payment of all suits, claims, demands, as aforesaid including reasonable attorney's fees, court costs, and expenses of any kind for which either party may be liability pursuant thereunder.

ARTICLE VII CONTRACTUAL REQUIREMENTS

1. Governing Law. This AGREEMENT shall be governed by and construed in accordance with the laws of the State of Florida applicable to contracts made and to be performed entirely in the State.
2. Binding Effect. The terms, covenants, conditions and provisions of this AGREEMENT shall bind and endure to the benefit of the COOPERATIVE and UNIVERSITY and their respective legal representatives, successors, and assigns.
3. Nondiscrimination. The COOPERATIVE and UNIVERSITY agree that there will be no discrimination against any person, and it is expressly understood that upon a determination by a

court of competent jurisdiction that discrimination has occurred, this AGREEMENT automatically terminates without any further action on the part of any party, effective the date of the court order. The COOPERATIVE and UNIVERSITY agree to comply with all Federal and Florida statutes, and all local ordinances, as applicable, relating to nondiscrimination.

4. Covenant of No Interest. The COOPERATIVE and UNIVERSITY covenant that neither presently has any interest, and shall not acquire any interest, which would conflict in any manner or degree with its performance under this AGREEMENT, and that only interest of each is to perform and receive benefits as recited in this AGREEMENT.
5. Code of Ethics. The COOPERATIVE and the UNIVERSITY agree that their officers and employees recognize and will be required to comply with the standards of conduct for public officers and employees as delineated in Section 112.313, Florida Statutes, regarding, but not limited to, solicitation or acceptance of gifts; doing business with one's agency; unauthorized compensation; misuse of public position, conflicting employment or contractual relationship; and disclosure or use of certain information.
6. No Solicitation/Payment. The COOPERATIVE and UNIVERSITY warrant that , in respect to itself, it has neither employed nor retained any company or person, other than a bona fide employee working solely for it, to solicit or secure this AGREEMENT and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for it, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award or making of this AGREEMENT. For the breach or violation of the provision, UNIVERSITY agrees that the COOPERATIVE shall have the right to terminate this AGREEMENT without liability and at its discretion, to offset from monies owed, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.
7. Public Access. The COOPERATIVE and UNIVERISTY shall allow and permit reasonable access to, and inspection of, all documents, papers, letters or other materials in its possession or under its control subject to the provisions of Chapter 119, Florida Statutes, and made or received by the COOPERATIVE and UNIVERSITY in conjunction with this Agreement; and the COOPERATIVE shall have the right to unilaterally cancel this AGREEMENT upon violation for this provision by UNIVERSITY.
8. Non-Waiver of Immunity. Notwithstanding the provisions of Sec. 768.28, Florida Statutes, the participation of the COOPERATIVE and UNIVERSITY in this AGREEMENT and the acquisition of any commercial liability insurance coverage, self-insurance coverage or local government liability insurance pool coverage shall not be deemed a waiver of immunity to the extent of liability coverage, nor shall any contract entered into by the COOPERATIVE be required to contain any provision for waiver.
9. Privileges and Immunities. All of the privileges and immunities for liability, exemptions from laws, ordinances, and rules and pensions and relief, disability, workers' compensation and other benefits which apply to the activity of officers, agents, or employees of any public agents or employees of COOPERATIVE, when performing their respective functions under this AGREEMENT within the territorial limits of COUNTY shall apply to the same degree and extent to the performance of such functions and duties of such officers, agents, volunteers, or employees outside the territorial limits of COOPERATIVE.
10. Legal Obligations and Responsibilities. Non-Delegation of Constitutional or Statutory Duties. This AGREEMENT is not intended to, nor shall it be construed as, relieving any participating entity from any obligation or responsibility imposed upon the entity by law except to the extent of actual and timely performance thereof by any participating entity, in which case the performance may be offered in satisfaction of the obligation or responsibility. Further, this AGREEMENT is not intended to, nor shall it be construed as, authorizing the delegation of the

constitutional or statutory duties of the COOPERATIVE, except to the extent permitted by the Florida constitution, state statute and case law.

11. Non-Reliance by Non-Parties. No person or entity shall be entitled to rely upon the terms, or any of them, of this AGREEMENT to enforce or attempt to enforce any third-party claim or entitlement to or benefit of any service or program contemplated hereunder, and the COOPERATIVE and UNIVERSITY agree that neither the COOPERATIVE nor UNIVERSITY or any agent, officer or employee of either shall have the authority to inform, counsel, or otherwise indicate that any particular individual or group of individuals, entity or entities, have entitlements or benefits under this AGREEMENT separate and apart, inferior to or superior to the community in general or for the purposes contemplated in this AGREEMENT.
12. No Personal Liability. No covenant or agreement contained herein shall be deemed to be a covenant or agreement of any member, officer, agent or employee of the COOPERATIVE in his or her individual capacity, and no member, officer, agent or employee of the COOPERATIVE shall be liable personally on this AGREEMENT or be subject to any personal liability or accountability by reason of the execution of this AGREEMENT.
13. Severability. In the event any section, sentence, clause or provision of this AGREEMENT is held to be invalid, illegal or unenforceable by a court having jurisdiction over this matter, the remainder of the AGREEMENT shall not be affected by such determination and shall remain in full force and effect.
14. Survivability. Any term, condition, covenant or obligation which requires performance by either party subsequent to termination of this AGREEMENT shall remain enforceable against such party subsequent to such termination.
15. Execution in Counterparts. This AGREEMENT may be executed in any number of counterparts, each of which shall be regarded as an original, all of which taken together shall constitute one and the same instrument and any of the Parties hereto may execute this AGREEMENT by signing any such counterpart.
16. Section Headings. Section headings have been inserted in this AGREEMENT as a matter of convenience of reference only, and it is agreed that such section heading is not a part of this AGREEMENT and will not be used in the interpretation of any provision of this AGREEMENT.
17. Filing. This AGREEMENT shall be filed by the COOPERATIVE with the Clerk of the Circuit Court of Polk and Alachua Counties in accordance with the requirements of Section 163.01(11), Florida Statutes.

ARTICLE VIII NOTICES

Any notice, request, demand, consent approval or other communication required or permitted by this AGREEMENT shall be given or made in writing and shall be served (as elected by the party giving such notice) by one of the following methods: a) hand delivery to the other party; b) delivery by commercial overnight courier service; or c) mailed by registered or certified mail (postage prepaid), return receipt requested. For the purposes of notice the addresses are:

To Cooperative:
Ryan J. Taylor Executive Director
330 West Church Street
Bartow, FL 33831-9005

To University:
UNIVERSITY OF FLORIDA
Division of Sponsored Research
207 Grinter Hall, PO Box 115500
Gainesville, FL 32611-5500

And copied to:
UNIVERSITY OF FLORIDA
IFAS Extension Business Services
1604 McCarty Dr., Rm. 1030
PO Box 110250
Gainesville, FL 32611-0220

APPROVED BY:

FOR THE COOPERATIVE

ATTEST:

POLK REGIONAL WATER COOPERATIVE

William Mutz, Secretary/Treasurer

By: _____
Eugene Fultz, Chairman

Date: _____
(SEAL)

APPROVED AS TO FORM AND CORRECTNESS

Edward P. de la Parte, Jr., Legal Counsel

FOR THE UNIVERSITY:

University of Florida

Date: _____

Memorandum of Understanding between Polk County Regional Water Cooperative and The University of Florida Board of Trustees

Scope of Work, "Exhibit A"

Synopsis:

The UNIVERSITY, in partnership with the COOPERATIVE, will administer the implementation of the COOPERATIVE's *Demand Management Plan Strategic Implementation Project*. The project includes several conservation-focused programs to be administered, implemented, and evaluated by the UNIVERSITY, as a third-party entity, with staff hired, housed, and supervised through the local UF/IFAS office. The project aligns with the UF/IFAS Initiative Strategic Plan, Initiative Two, *Enhancing and protecting water quality, quantity and supply*.

Background:

The COOPERATIVE was formed in 2017 to address the future water supply needs of the county. The membership includes Polk County government and 15 of its municipalities. Oversight of the COOPERATIVE is provided by the COOPERATIVE Board, which is composed of representatives appointed by the COOPERATIVE'S 16 member government.

Situation Statement:

The State of Florida has made the planning and management of sustainable resources one of its top environmental and legislative priorities. Water supply is a major factor in the quality of life and continued growth and development of Polk County's incorporated and unincorporated communities. With a current estimated population of more than 725,000 people, Polk County is expected to reach 1 million residents within the next 25 years.

The COOPERATIVE's role is to proactively identify alternative water sources and projects that will protect and sustain the county's future regional water supply. As such, the COOPERATIVE's Demand Management Plan Strategic Implementation Project aims to provide consumer-focused water conservation program services to the member governments that lack the staffing to independently carry out these programs. These services include toilet rebate programs, irrigation evaluations, smart irrigation installations, and school-age youth outreach education. The plan also incorporates marketing and outreach strategies to inform residents of these programs and educate them about the COOPERATIVE's conservation efforts through its website, social media, traditional media outlets, and at community events.

Outcomes:

The COOPERATIVE has estimated that, through the implementation of the Demand Management Plan, countywide water savings of at least five million gallons per day (MGD) may be achieved by 2040. This plan involves utilizing successful, proven methods for reducing consumer water use, and expanding some of the activities currently employed by larger government members of the COOPERATIVE (Polk County, City of Lakeland, City of Winter Haven, and City of Haines City) to the members that don't have the human or fiscal resources to carry out these programs independently

As part of the water conservation effort, the COOPERATIVE implementation plan will:

- Increase Polk County's resident's awareness of, and access to, conservation through new outreach efforts
- Improve collection of current conservation outcome data and investigate the most efficient collection methods for newly implemented programs

- Provide staffing and administrative support to smaller COOPERATIVE member governments with limited resources and personnel.

Target audiences:

Polk County homeowners, homeowner associations, elementary-age youth in targeted communities, seasonal residents, county and municipal staff and third-party contractors.

Program Task 1. Promotion and Outreach, approx.. 15% of FTE

- Create and distribute information and educational awareness materials specifically targeting those conservation programs described under Task 3
- Public Communications
 - Review and update content under the *Conservation* link on the PRWC website
 - Maintain a dedicated phone number and email address for use by the public to ask questions and obtain information about conservation programs
 - Use digital subscription-based tools to disseminate information to COOPERATIVE member government constituents
- Advertising
 - Coordinate the design and use of social media ads, print ads, and billboards.

Program Task 2. Administrative duties in support of PRWC Member Programming, approx. 55% of FTE

- Research and document eligibility of conservation program applicants
- Manage data related to the conservation programs.
- Use data to target program participants
- Maintain records for all aspects of the incentive and outreach programs
- Provide regular status reports to COOPERATIVE member governments
- Manage all invoices, reimbursements, and rebates for the programs

Program Task 3. Implementation of Conservation Incentive and Outreach Programs, approx.. 30% of FTE

- Toilet rebates
 - Administer 1240 toilet rebates for residents served by COOPERATIVE member governments.
- Irrigation evaluations
 - Administer 2583 irrigation evaluates for targeted high-volume users
- Smart irrigation controller installations
 - Administer installation of 428 smart irrigation controllers for qualified users
- School-age youth outreach
 - Promote and distribute 960 Tinker LLC Conservation Kits to students in partnership with local schools

Staffing:

The UNIVERSITY will hire a full-time TEAMS employee (Technical, Executive, Administrative, and Managerial Support) to serve as the conservation program coordinator. The coordinator will carry out day-to-day functions and oversight of the conservation program. Funding is expected to cover 18

months of full-time salary and fringe, along with program expenses. The UNIVERSITY will invoice the COOPERATIVE on a quarterly basis for salary and fringe

Program Coordinator Duties

- Focus on administering the implementation of the COOPERATIVE's *Demand Management Plan Strategic Implementation Project*
 - Identify and outreach to customers within the target audiences for participation in conservation programming
 - Verify consumer eligibility for rebate program participation.
 - Maintain records related to rebates, reimbursements, and invoices for PRWC member governments and utility departments, and Southwest Florida Water Management District
 - {SFWMD)
 - Create and maintain database to track program participants and implementation of programs by targeted audiences
 - Track program implementation outcome data, including reduced water consumption and related activities
 - Update conservation rebate program applications and processes
 - Prepare and track contractor work orders for professional installations of toilets, irrigation systems, and other third-party activities, in coordination with Polk County Utilities staff
 - Coordinate inspections of non-professional toilet installations
 - Collaborate with local school administrators to distribute Tinker, Inc. conservation kits; maintain records on distribution and program outcomes
 - Update and create content for COOPERATIVE website's Conservation page, in partnership with the website contractor
 - Create and distribute conservation program promotional materials for the programs described in Task 3 through traditional and social media, digital tools, traditional advertising venues, and in-person community events 3
 - Prepare and present regular program and outcome updates to COOPERATIVE members

Project Duration

The attached Memorandum of Understanding is for the period **November 1, 2020 through September 30, 2022**. Staff funding is approximated for an 18-month period; program and outreach expenses cover a fixed number of project activities for the period.

**Memorandum of Understanding between Polk County Regional Water Cooperative and
the University of Florida Board of Trustees**

Budget, "Exhibit B"

TABLE 1 LABOR, DIRECTS, AND TOTAL COST TABLE			
Category	Year 1	Year 2	Total
Personnel ¹	\$69,421	\$32,002	\$101,423
Outreach	\$11,500		\$11,500
Program Implementations	\$40,450		\$40,450
Subtotal	\$121,371	\$32,002	\$153,373
IDC ² (10%)	\$12,137	\$3,200	\$15,337
TOTAL	\$133,508	\$35,202	\$168,710

1. Personnel includes labor, fringe benefits, travel, and equipment associated with the labor.
 2. IDCs are Indirect Costs at 10% of the program subtotal.

Attachment: PRWC-IFAS MOU and Scope_UFApproved (8214 : Conservation Demand Management Plan Strategic Implementation - UF/IFAS

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #7

SUBJECT

Line of Credit Short Term Extension (ACTION ITEM)

DESCRIPTION

PRWC maintains a line of credit for Phase 1 with a purpose of bridging funding gaps between invoices and reimbursements. A short-term extension is being sought, and additional details will be provided with an agenda revision.

RECOMMENDATION

FISCAL IMPACT

November 18, 2020 Polk Regional Water Cooperative Regular Meeting
Agenda Item #8

SUBJECT

Phase 1 Combined Projects Update

DESCRIPTION

PRWC technical consultants (TeamOne) will provide a status report on the technical progress made under the Combined Projects Implementation Agreement and seek input from the members regarding the Southeast Wellfield Water Production and Transmission facilities Preliminary Design Report (PDR). The PDR is currently on track to be completed in November, but TeamOne is working with SWFWMD and the Mediation Team to address possible revisions to water supply demands and the appropriate planning horizon which may require postponing Third Party Review.

The West Polk Wellfield Preliminary Design work is scheduled to commence in early 2021. The Peace Creek Integrated Water Supply Plan is currently underway, with a water use permit (WUP) application being prepared for two separate intake locations: one on the Peace Creek and one on the Peace River. SWFWMD has recently authorized the development of a preliminary design report (PDR), currently scheduled for completion in mid-2021. The Peace River and Land Use Transitions Concept Plan is also underway, with the feasibility report work products accompanying the water use permit prepared for the Peace Creek project.

TeamOne has also been maintaining the PRWC website. Though not an action item, TeamOne will present the highlights of the website and will request input on the future needs of the PRWC.

RECOMMENDATION

Information Only.

FISCAL IMPACT

N/A



Attachment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1

PRWC BOARD Combined Projects Status Update

November

Packet Pg. 108



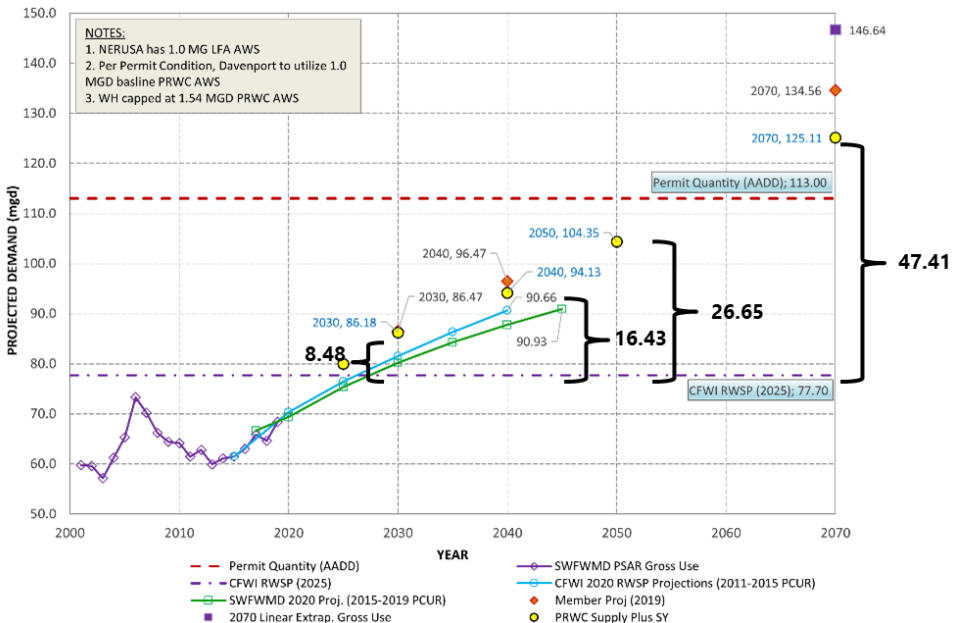
- TeamOne Collaboration with Facilitators/Mediators
- Phase I Combined Projects Status
- PRWC Website Update

- PRWC funding contracts and SWFWMD deadlines.
 - TeamOne is fulfilling the obligations of the Phase 1 Agreement.
 - TeamOne continues to complete deliverables.
- Facilitation/mediation process underway.
 - TeamOne is working with mediators to provide technical materials.
 - TeamOne will continue to collaborate to identify alternative solutions.

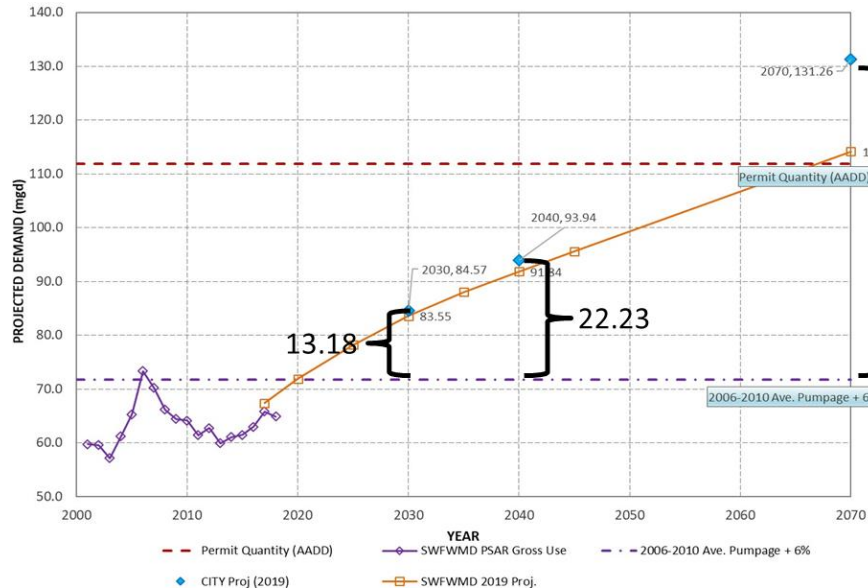
- Developed using 2018 data and projected through 2040.
- Updated using 2019 data and projected through 2070.
- CFWI proposed rule would restrict upper Floridan allocation to demonstrated 2025 demand.
- Currently being updated with new information and draft 2025 “groundwater availability” threshold.

Comparison

DRAFT Update



2019 Demands



Commitment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1

9.5



2025 Demands

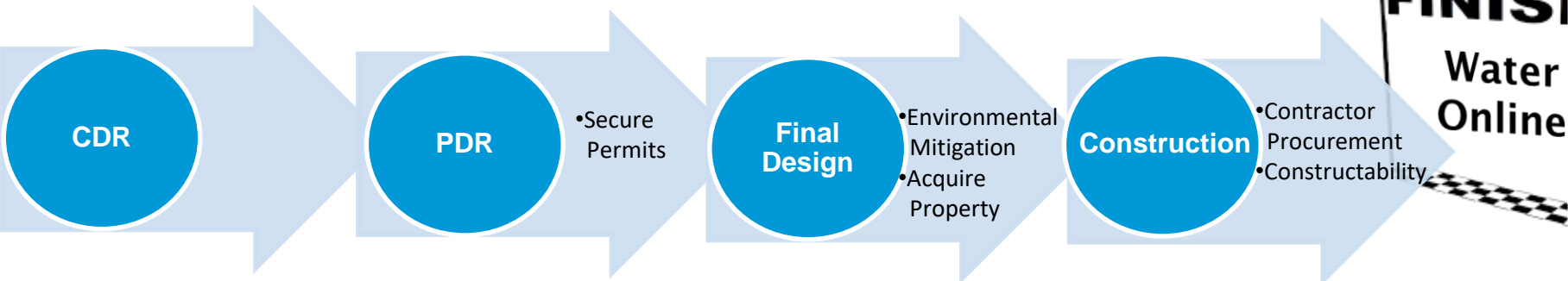
Member	Permit Quantity AA (MGD)	PRWC Planning (Historical Use +6%) (MGD)	CFWI 2020 DRAFT RWSP 2025 DEMANDS (MGD) ¹	SWFWMD 2020 Projections 2025 Demands (MGD) ²
City of Bartow	7.90	3.36	3.33	3.13
City of Fort Meade	0.76	0.74	0.58	0.59
Town of Lake Hamilton	0.38	0.30	0.30	0.31
City of Winter Haven	14.06	10.88	10.55	11.13
City of Lake Wales	3.90	3.05	3.01	2.90
City of Lakeland	35.03	24.71	23.84	23.15
City of Davenport	1.00	0.73	0.91	1.56
Town of Dundee	0.92	0.60	0.64	0.81
City of Mulberry	0.81	0.44	0.52	0.41
NWRUSA	5.70	3.43	3.36	2.95
SWRUSA	7.00	3.80	3.95	3.85
CRUSA	2.00	1.21	1.19	1.16
SERUSA	1.37	0.63	0.58	0.64
NERUSA	13.95	6.66	9.56	8.32
City of Lake Alfred	1.30	1.03	1.29	1.18
City of Eagle Lake	0.66	0.33	0.49	0.41
City of Auburndale	7.04	4.82	5.45	5.97
ERUSA	1.37	0.50	1.29	0.49
City of Polk City	0.76	0.35	0.43	0.42
City of Haines City	5.92	4.16	5.75	5.95
SUM	111.83	71.71	77.02	75.33
Percentage Reduction		35.88%	31.13%	32.64%

¹ CFWI Projections from the DRAFT RWSP Appendices, Table A-5b.

Numbers may change based on rulemaking process and how 2025 demands are calculated

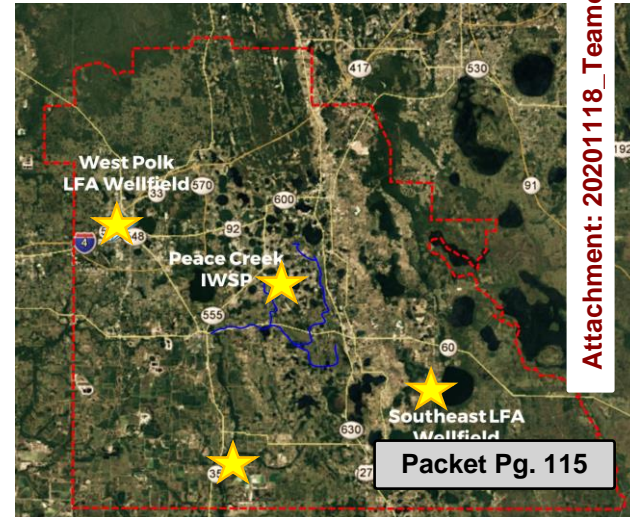
² SWFWMD 2020 Medium BEBER Projections * 2015 to 2019 Average Gross Per Capita

Updated demands and planning period will affect ultimate project selection.

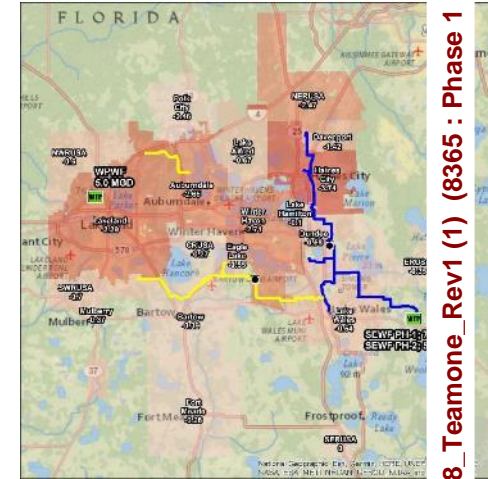


Attachment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1

- Southeast water production facility and transmission system
- West Polk water production facility and transmission system
- Peace Creek Integrated Water Supply Project
- Peace River and Land Use Transitions



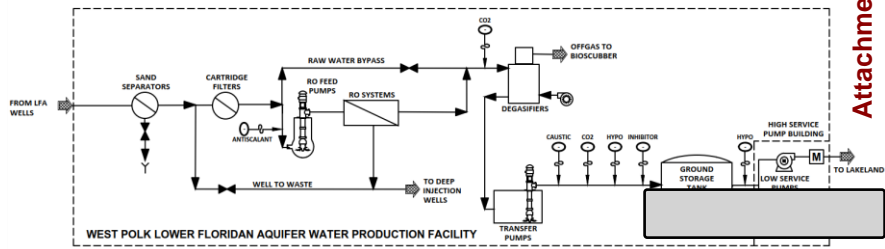
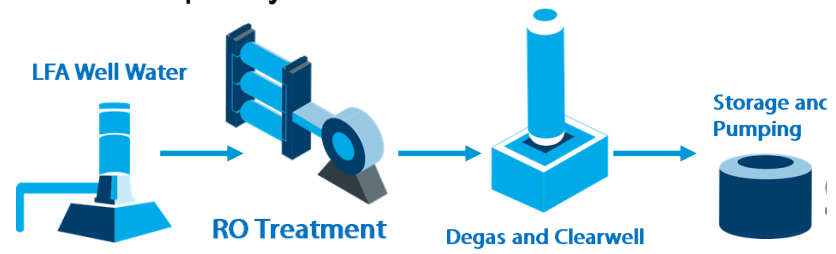
- Final Conceptual Design Report delivered in October, 2019.
- Preliminary design was scheduled to be delivered November 2020.
- Components
 - Raw and injection wellfields
 - 30 MGD reverse osmosis treatment facility (buildout)
 - Transmission system
 - Phased design to match needs
- Third party review required.



Attachment: 20201118_Teamone_Rev1 (1) (8365) : Phase 1

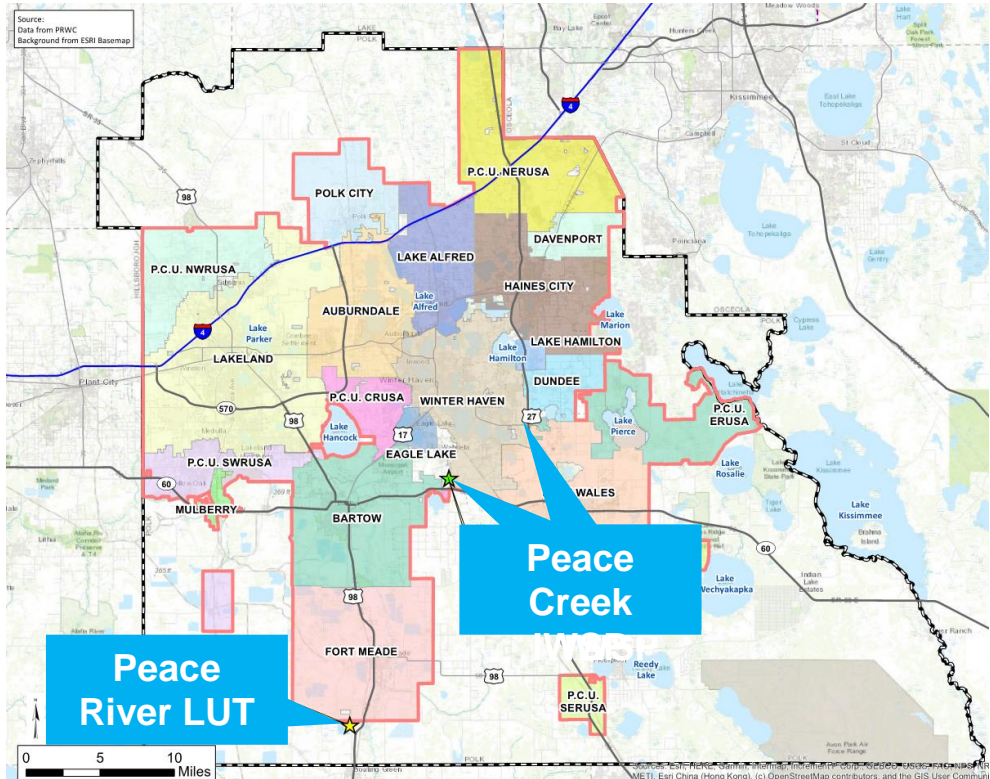
- SWFWMD Third Party Review considers measureable benefit, construction schedule, and funding requirements.
- Modifications may impact demands and planning horizon project capacity.
- TeamOne is working with SWFWMD to meet the requirements of the existing cofunding agreement.

- Final water production facility and transmission CDRs delivered in August.
- Water use permitting underway.
 - Groundwater flow modeling supports 15 MGD finished capacity
 - TAC provided input on wellfield alignment.
 - Application to be submitted by end of year.
- PDR to commence January, 2021.



Attachment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1

Two projects, one water use permit.



Peace Creek

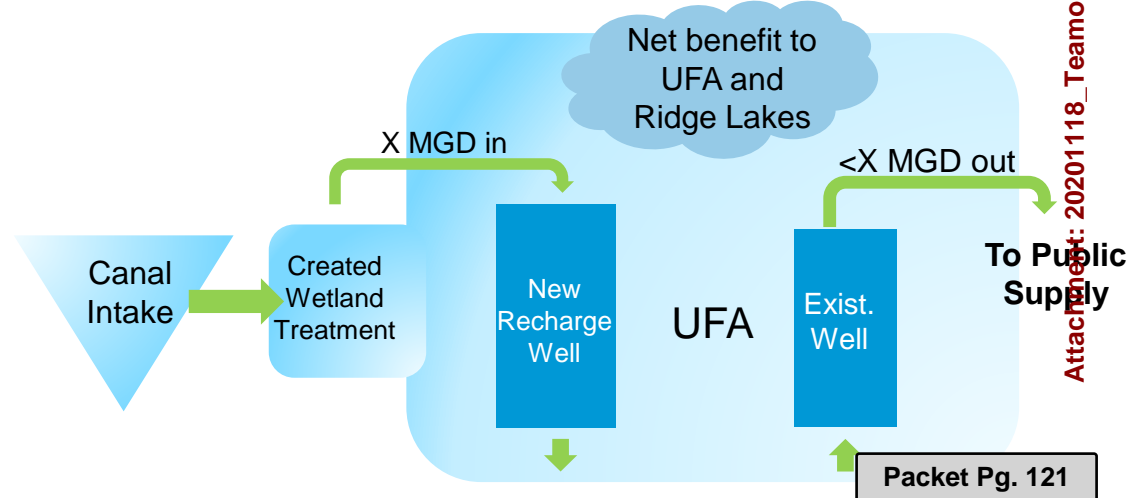
Intake, created wetland treatment and UFA recharge water supply offset.

Peace River

Intake, reservoir, water treatment, transmission system

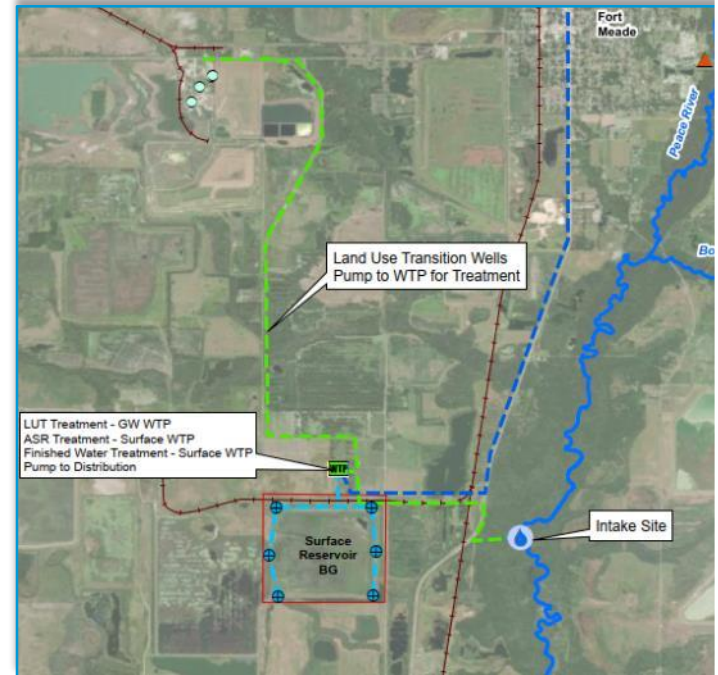
- SWFWMD approved basis for the water supply availability model.
- Proposed Lower Peace MFL considered.
- Water Use Permit application underway.
- Currently pursuing 50-year permit and planning horizon.

- A project selection report was completed in June of 2020.
- A preliminary design report for two preferred project options was authorized by SWFWMD.
- Integrated resources plan will identify additional opportunities.



Attachment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1

- Planning/feasibility study
- Supplements Southeast, West Polk and Peace Creek
- Discussions with landowners



Attachment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1

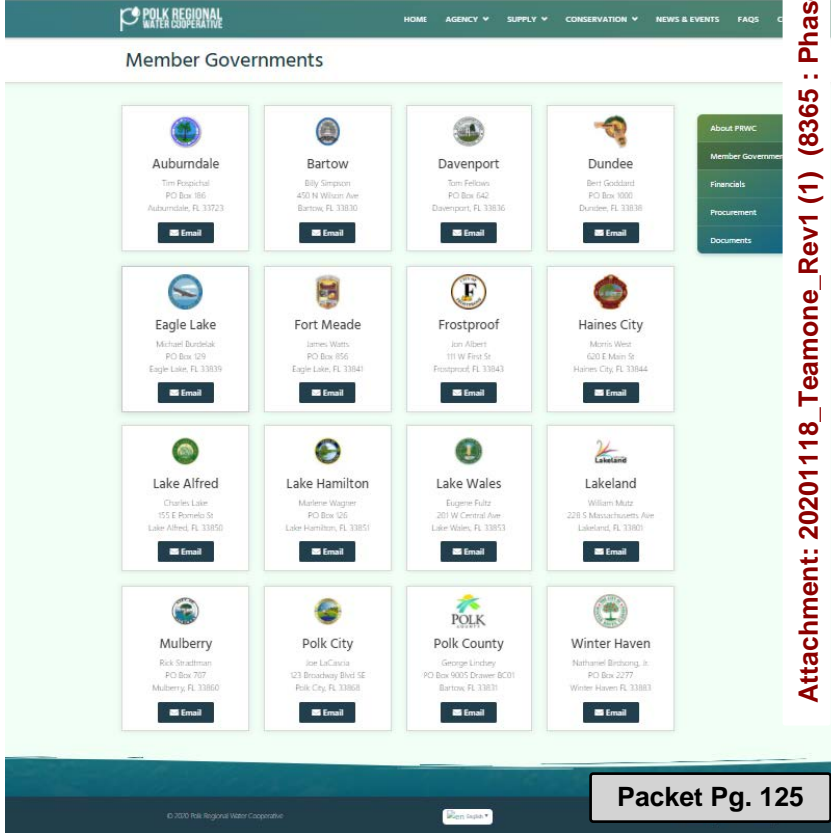
- Launched by Polk County IT in 2018.
- Currently maintained by TeamOne.
- Provides information on meetings, programs and documents.



- Is now ADA and public records compliant.
- Educational information on PRWC and water supply.
- Designed for expansion.



- Utilization.
- Maintenance and updates.
- Outreach and public interaction.



The screenshot shows the 'Member Governments' page of the Polk Regional Water Cooperative website. The page features a grid of 16 member government profiles, each with a logo, name, contact information, and an email link. A sidebar on the right contains links for 'About PRWC', 'Member Government', 'Financials', 'Procurement', and 'Documents'. The footer includes the copyright notice '© 2019 Polk Regional Water Cooperative' and a 'Select State' dropdown menu.

Member Government	Contact Name	Address
Auburdale	Tim Rogalski	PO Box 186, Auburdale, FL 33723
Bartow	Billy Simpson	400 N Wilson Ave, Bartow, FL 33830
Davenport	Tom Fellous	PO Box 642, Davenport, FL 33836
Dundee	Bert Goddard	PO Box 1000, Dundee, FL 33838
Eagle Lake	Michael Buchlak	PO Box 129, Eagle Lake, FL 33839
Fort Meade	James Watts	PO Box 856, Fort Meade, FL 33841
Frostproof	Jon Albert	111 W First St, Frostproof, FL 33843
Haines City	Morris Wine	620 E Main St, Haines City, FL 33844
Lake Alfred	Charles Lake	355 E Rowley St, Lake Alfred, FL 33850
Lake Hamilton	Marlene Wagner	PO Box 126, Lake Hamilton, FL 33851
Lake Wales	Eugene Fritz	201 W Central Ave, Lake Wales, FL 33853
Lakeland	William Muzz	228 S Massachusetts Ave, Lakeland, FL 33801
Mulberry	Rick Seadman	PO Box 707, Mulberry, FL 33860
Polk County	Joe LaCascia	123 Broadway Blvd SE, Polk City, FL 33868
Polk County	George Lindsey	PO Box 9005 Drawer 8C01, Bartow, FL 33811
Winter Haven	Nathaniel Birdsong, Jr.	PO Box 2277, Winter Haven, FL 33883

Attachment: 20201118_Teamone_Rev1 (1) (8365 : Phase 1