PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING

AGENDA May 27, 2020 @ 9:30 a.m.

DeSoto County Administration Building Commission Chambers, First Floor 201 East Oak Street, Arcadia, Florida

Additional information may be obtained by contacting the Peace River Manasota Regional Water Supply Authority, 9415 Town Center Parkway, Lakewood Ranch, Florida 34202 or through the Authority's website <u>www.regionalwater.org</u>. Persons with disabilities who need assistance may call (941) 316-1776 at least two business days in advance to make appropriate arrangements. No Stenographic record by a certified court reporter is being made of this meeting. Accordingly, any person who may seek to appeal any decisions involving the matters noticed herein will be responsible for making verbatim record of the testimony and evidence at this meeting which may be necessary to appeal such decisions.

BOARD OF DIRECTORS

Commissioner Ken Doherty, Charlotte County, Chairman Commissioner Priscilla Trace, Manatee County, Vice Chairman Commissioner Alan Maio, Sarasota County Commissioner Elton Langford, DeSoto County

CALL TO ORDER

INVOCATION Commissioner Elton Langford

PLEDGE OF ALLEGIANCE Led by the Board

WELCOME GUESTS

HOST COUNTY REMARKS

Mandy Hines, DeSoto County Administrator

PUBLIC COMMENTS

Any individual wishing to address the Board on an item on the Consent Agenda, Regular Agenda, or Tentative Budget for FY 2021 ("Voting Agenda Items"), a report, or an issue that does not appear on the agenda should complete a 'request to speak' card and submit it to the Authority's recording clerk prior to this Public Comments item. Each person that submits a 'request to speak' card will have three (3) minutes to address the Board. Fifteen (15) minutes is provided for this Public Comment item unless additional time is needed for individuals to address the Board on Voting Agenda Items. If the time limit is exhausted and there are still individuals that want to address the Board on non-Voting Agenda Items, the Board will entertain any remaining comments near the end of the meeting. Comments on Voting Agenda Items will be heard first.

Consistent with the guidance from the Center for Disease Control and Prevention and the Executive Orders of the Governor of the State of Florida to limit public interactions, individuals who cannot or do not wish to attend the Board meeting in person has an alternative means to provide public comments. Written comments may be submitted by emailing the comments to <u>rkersten@RegionalWater.org</u>. Comments must be received by 5:00 PM E.S.T., May 26, 2020, and any timely received written comments will be included in the official meeting record.

RESOLUTIONS/PRESENTATIONS

None

CONSENT AGENDA

- 1. Minutes of January 31, 2020 Board of Directors Meeting
- 2. Minutes of January 31, 2020 Board Workshop
- 3. Resolution 2020-01 'Recognition of the Month of April as Water Conservation Month'
- 4. Resolution 2020-02 'Recognition of National Drinking Water Week'
- 5. Ratify Award of Contracts for Purchase of Water Treatment Chemicals
- 6. Ratify FPL SolarTogether Subscription
- 7. Investment Banking Services Ranking
- 8. Set a Public Hearing for FY 2021 Budget for August 5, 2020
- 9. Receive and File Authority Financial Reports:
 - a. Mid-Year Financial Report for FY 2020
 - b. Semi-Annual Investment Report for March 31, 2020
- 10. Three Year Extension to Agreement for Financial Advisory Services with First Southwest Company, a Division of Hilltop Securities, Inc.
- 11. Amendment No. 1 of Work Order No 3 for Ardurra Phase 1 Interconnect Construction Phase Services

REGULAR AGENDA

- 1. Water Supply Conditions Staff Presentation
- 2. Peace River Regional Reservoir No. 3 Project (PR³) Consultant Selection
- 3. Acquisition of Project Prairie Facilities
- 4. 5-Year Capital Improvements Plan & 20-Year Capital Needs Assessment
- 5. FY 2021 Budget Issues
 - a. R&R Sufficiency Study Development of Asset Management Plan
 - b. Cooperative Funding Projects Local Match
 - c. Disaster Recovery Reserve
 - d. Financial Analysis & Management System Rate Model

TENTATIVE BUDGET FOR FY 2021

- 1. Tentative Budget for FY 2021
- 2. Resolution 2020-03 'Resolution Setting Forth Preliminary Schedules of Rates, Fees and Charges for FY 2021'

GENERAL COUNSEL'S REPORT

EXECUTIVE DIRECTOR'S REPORT

ROUTINE STATUS REPORTS

- 1. Hydrologic Conditions Report
- 2. Check Registers for January, February, March and April 2020
- 3. Regional Integrated Loop System Phase 1 Interconnect Project [U.S. 17 to Punta Gorda]
- 4. Regional Integrated Loop System Phase 3B Interconnect Project [SR 681 to Clark Road]
- 5. Filter Covers Project at Peace River Facility
- 6. Maintenance Facility & Warehouse Construction
- 7. Integrated Regional Water Supply Master Plan 2020
- 8. Peace River Basin Report

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BOARD MEMBER COMMENTS

PUBLIC COMMENTS (if necessary)

Individuals who previously submitted a 'request to speak' card to the Authority's recording clerk and there was inadequate time during the initial Public Comments item for them to speak on non-Voting Agenda Items, will be given three (3) minutes per person to speak on such item.

ANNOUNCEMENTS

Next Authority Board Meeting & Public Hearing for FY 2021 Budget

Wednesday, August 5, 2020 @ 9:30 a.m. Charlotte County Administration Center Commission Chambers, Room 119 18500 Murdock Circle, Port Charlotte, Florida

Future Authority Board Meetings

September 30, 2020 @ 9:30 a.m. - Manatee County Administration Building, Bradenton, Florida December 2 @ 9:30 a.m. - DeSoto County Turner Agri-Civic Center, Arcadia, Florida

ADJOURNMENT

Visit the Board Meetings page of our website www.regionalwater.org to access the Agenda Packet

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PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY **BOARD OF DIRECTORS MEETING** May 27, 2020

CONSENT AGENDA ITEM 1

Minutes of January 31, 2020 Board of Directors Meeting

Recommended Action -

Motion to approve minutes of January 31, 2020 Board of Directors meeting.

Draft minutes of the January 31, 2020 Board of Directors meeting are provided for Board approval.

<u>Attachments</u>: Draft Minutes of January 31, 2020 Board of Directors Meeting

Minutes of Board of Directors Meeting **PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY** Peace River Facility Water Quality/Training Center 8998 SW County Road 769 (Kings Highway), Arcadia, Florida

January 31, 2020

Board Members Present:

Commissioner Ken Doherty, Charlotte County, Chairman Commissioner Priscilla Trace, Manatee County, Vice-Chairman Commissioner Alan Maio, Sarasota County Commissioner Commissioner Elton Langford, DeSoto County Commissioner

Staff Present:

Patrick Lehman, Executive Director Mike Coates, Deputy Director Doug Manson, General Counsel Kevin Morris, Engineering & Projects Manager Ann Lee, Finance & Administration Manager Richard Anderson, System Operations Manager Terri Holcomb, Resource Management & Planning Manager Rachel Kersten, Agency Clerk

Others Present:

A list of others presents who signed the attendance roster for this meeting is filed with the permanent records of the Authority.

CALL TO ORDER

Commissioner Doherty called the meeting to order at 9:30 a.m.

INVOCATION

Commissioner Langford offered the invocation.

PLEDGE OF ALLEGIANCE

The Board led the Pledge of Allegiance to the Flag of the United States.

WELCOME GUESTS

Welcoming remarks were made by Patrick Lehman, Peace River Manasota Regional Water Supply Authority Executive Director.

PUBLIC COMMENTS

Public comment was made by Michael Zarzano and Tim Ritchie.

RESOLUTIONS/PRESENTATIONS

1. Recognition of Commissioner Langford for his service as Chairman for 2019

The Authority recognized Commissioner Langford for his service as Chairman of the Peace River Manasota Regional Water Supply Authority Board of Directors, and Commissioner Maio for his prior service as Chairman.

2. Employee Service Recognition

The Board recognized and congratulated dedicated staff members Alphonse Brackins, Ann Lee, Robert Garcia and Vondell Nelson each on reaching significant longevity milestones with the Authority.

3. Public Outreach/Education Awards

Mr. Lehman announced that the Authority's consultant, Environmental PR Group, has recently been awarded by both national and international organizations for their water conservation and water education public outreach campaigns created for the Authority.

Otter Savewater Celebrates Conservation Month Education/Outreach	MARCOM Awards: Gold Winner
Peace River Authority Water Security Infographic Public Service Ad	Davey Awards: Silver Winner
Water Supplies by the Numbers Water Week Ad	MARCOM Awards: Honorable Mention

CONSENT AGENDA

- 1. Approve minutes of January 31, 2020 Board of Directors meeting.
- 2. Approve reschedule of the April 1, 2020 Authority Board Meeting to March 30, 2020.
- 3. Approve to receive and file 'Year-End Financial Status Report for FY 2019' and 'Semi-Annual Investment Report' [September 30, 2019].
- 4. Approve to renew Peace River Facility Property Insurance with Starr Tech/ACE for an annual premium of \$332,166 for the upcoming year (March 1, 2020 thru April 30, 2021).
- 5. Approve to receive and file 'Solar Together Program' status update.
- 6. Approve correspondence to Ray Sandrock for service and support for the Authority upon his retirement as Charlotte County Administrator.
- 7. Approve and authorize Executive Director to execute novation of existing contracts from TKW Consulting Engineers, LLC to CONSOR Engineers, LLC.

Motion was made by Commissioner Trace, seconded by Commissioner Langford to approve the Consent Agenda. Motion was approved unanimously.

REGULAR AGENDA

1. Water Supply Conditions – Staff Presentation

Richard Anderson presented the Water Supply Conditions at the Peace River Facility as of January 15, 2020.

- Water Supply Quantity: <u>Excellent</u>
- Treated Water Quality: <u>Excellent</u>

January Water Demand	29.46 MGD
January River Withdrawals	30.22 MGD
<u>Storage Volume</u> : Reservoirs ASR Total	6.81 BG <u>8.63 BG</u> 15.44 BG

Mr. Anderson also reviewed the current demand and supply for each of the Authority customers for the month of December 2019.

2. FY 2019 Comprehensive Annual Financial Report and Independent Auditors' Report

Ann Lee along with Tiffany Mangold, Senior Audit Manager, Purvis Gray & Company presented the Authority's Fiscal Year 2019 Comprehensive Annual Financial Report & Independent Auditors Report to the Board and provided a review of the financial highlights and statements contained with these reports.

The firm of Purvis Gray & Company completed the annual audit of the Authority's financial records for the fiscal year ending September 30, 2019. There were no matters involving the internal control over financial reporting or significant deficiencies in operation noted in the audit that would be considered a material weakness.

Ms. Lee recommended the Board 'receive and file' the Comprehensive Annual Financial Report and Independent Auditors' Report of the Authority for period ending September 30, 2019 and approve its submittal to the GFOA Certificate of Achievement for Excellence in Financial Reporting Program, pending the changes related to GASB 68.

Motion was made by Commissioner Langford seconded by Commissioner Maio to receive and file 'Peace River Manasota Regional Water Supply Authority FY 2019 Comprehensive Annual Financial Report and 'Independent Auditors' Report' as submitted and approve its submittal to the GFOA Certificate of Achievement for Excellence in Financial Reporting Program, pending the changes related to GASB 68. Motion was approved unanimously.

3. Peace River Regional Reservoir No. 3 Project (PR3) Consultant Selection

Mr. Lehman stated that the request for 'Statement of Qualifications' (SOQ) for consultants to provide 'Professional Design and Engineering Services' for the feasibility, siting, design, permitting and construction management on the Peace River Regional Reservoir (PR3) Project was properly advertised

and three (3) proposals received in response. He stated that the scope of services is basically a 'cradle to grave' services that will extend over the long-term time frame of the project.

The SOQs were evaluated by the Professional Services Evaluation Committee (PSEC) established in accordance with the Authority's Procurement Policy. All three firms were deemed qualified and subsequently interviewed by the committee.

Following interviews, the PSEC was split on the ranking of the top two firms with Stantec receiving 3 votes and HDR receiving 2 votes. The PSEC was unanimous in the ranking of Gannet Fleming as 3rd.

The PSEC submitted the ranked short-list to the Executive Director for consideration in accordance with the Authority's Procurement Policy. The Executive Director has reviewed the submittals and PSEC ranking.

Mr. Lehman stated that this is a mega-project that will require public funds greater than other projects completed by the Authority and entail multi-year effort of feasibility, design, permitting, mitigation, construction and compliance upon completion. Communication and coordination with the consultant at the Board, Administrative and staff level will be critical in decision making throughout the project process to assure a successful project. As a result of the split decision and closeness of the ranking by the PSEC, the Executive Director recommends that the Board take the opportunity to hear from the top two firms prior to rendering a decision on the ranked short-list.

Presentations from Stantec and HDR can be scheduled for the next Board meeting. Copies of their submittals will be distributed for review by Board members prior to the presentations. In accordance with the Purchasing policy the Board can evaluate firms based on:

- Competence, including technical education and training or project personnel;
- Experience in the kind of project to be undertaken;
- Projected workload and availability of adequate personnel, equipment and facilities;
- The extent of repeat business of the firm;
- Past record of professional accomplishments;
- Office location proximity to Authority service area;
- Past record of performance on Authority projects;
- Other applicable project specific factors determined by the agency.

Mr. Lehman presented this as his recommendation for discussion by the Board.

Commissioner Doherty commented that during his pre-agenda meeting with Mr. Lehman and Mr. Coates it was his initial understanding at that time that these two firms would be placed at an even level and their presentations to the Board alone would be the determining factor. After going through three or four decades of being the one giving these types of presentations, this kind of methodology concerns him. For one, there are only four Board members and that they could end up in a dead heat. But also, these interviews can sometimes be tricky. The lot of the work goes into the proposal and he would suggest that more weight be given to those than the interviews.

Mr. Manson commented that just from a legal perspective, the idea of viewing the proposal prior to the interview or any decision-making process is always a good idea. He stated that he agrees with what Commissioner Doherty has said and all that falls within our procurement policy and the specific specifications of this request that was put out. It is because of the importance of this project the we felt that the Board should be involved in this, review the proposals, and look at the way the proposals are setup in the standpoint of what areas you factored in. But ultimately with a decision of this importance, the staff and

I felt more comfortable that the Board Members would make that ultimate decision of who is number one and two in the ranking to begin those contract negotiations.

Mr. Manson stated that to move forward he suggests a motion for the Board to receive the presentations from the first and second rated firms, which are Stantec and HDR, for selection at our next meeting.

Commissioner Maio stated that he sees staff wishes and supports the motion but wanted to be absolutely sure, having been deeply involved in this sort of thing during earlier years of his career, that while holding these interviews at the Sarasota County chambers we adhere to what has always been the Authority's protocol and when we get to the presentations the group not presenting is asked to leave the room so they do not get to use things they picked up in the first groups presentation to enhance their own. This is a major project which we've programmed in for ten years and two hundred million dollars. So, while it probably did not need to be said, he will just ask that we still would adhere to all normal protocols of selection and begin the negotiation with the Boards first ranked firm and should we not achieve success there, move to the second ranked firm.

Mr. Manson confirmed that this is the same method that was utilized in front of the committee during the initial ranking and we've used on every one of these processes. So, yes, we will continue to do so unless you as the Board voted to change this otherwise.

Motion was made by Commissioner Langford seconded by Commissioner Trace to receive presentations from the first and second ranked firms, Stantec and HDR, during the next Authority Board of Directors Meeting. Motion was approved unanimously.

BOARD MEETING RECESS

The Board of Directors meeting recessed at 10:30 a.m. for the Authority Board workshop session.

BOARD MEETING RECONVENED

The Board of Directors Meeting reconvened at 11:46 a.m. following the workshop session.

GENERAL COUNSEL'S REPORT

Mr. Manson presented this status report including an update on state's acquisition of Orange Hammock Ranch for the Board's information.

Motion was made by Commissioner Maio seconded by Commissioner Doherty authorizing Executive Director to send letter of continued support for the acquisition and preservation of Orange Hammock Ranch on behalf of the Board. Motion was approved unanimously.

EXECUTIVE DIRECTOR'S REPORT

Mr. Lehman presented a status report including updates to the Southwest Florida Water Management District's strategic plan and the Liquid Aluminum Sulfate Antitrust Litigation settlement distribution from the State of Florida for the Board's information.

ROUTINE STATUS REPORTS

There were no Board comments on routine status reports.

BOARD MEMBER COMMENTS

There were no additional Board comments.

PUBLIC COMMENTS

Additional public comments were made by Michael Zarzano, Tim Ritchie, and Cynthia Compton.

ANNOUNCEMENTS

<u>Friends of Peace Water, Inc. Annual BBQ</u> Friday, March 27, 2020 @ 11:30 a.m. – Peace River Facility

Next Authority Board Meeting Monday, March 30, 2020 @ 9:30 a.m. Sarasota County Administration Center Commission Chambers, First Floor 1660 Ringling Boulevard, Sarasota, Florida

<u>Future Authority Board Meetings</u> May 27, 2020 @ 9:30 a.m. - DeSoto County Administration Building, Arcadia, Florida August 5, 2020 @ 9:30 a.m. - Charlotte County Administration Center, Port Charlotte, Florida September 30, 2020 @ 9:30 a.m. - Manatee County Administration Building, Bradenton, Florida December 2 @ 9:30 a.m. - DeSoto County Turner Agri-Civic Center, Arcadia, Florida

ADJOURNEMENT

There being no further business to come before the Board, the meeting adjourned at 12:03 p.m.

Commissioner Ken Doherty Chairman

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY **BOARD OF DIRECTORS MEETING** May 27, 2020

CONSENT AGENDA ITEM 2

Minutes of January 31, 2020 Board of Directors Workshop

Recommended Action -

Motion to approve minutes of January 31, 2020 Board of Directors workshop.

Draft minutes of the January 31, 2020 Board of Directors workshop are provided for Board approval.

<u>Attachments</u>: Draft Minutes of January 31, 2020 Board of Directors Workshop

Minutes of Board of Directors Workshop **PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY** Peace River Facility Water Quality/Training Center 8998 SW County Road 769 (Kings Highway), Arcadia, Florida

January 31, 2020

Board Members Present:

Commissioner Ken Doherty, Charlotte County, Chairman Commissioner Priscilla Trace, Manatee County, Vice-Chairman Commissioner Alan Maio, Sarasota County Commissioner Commissioner Elton Langford, DeSoto County Commissioner

Staff Present:

Patrick Lehman, Executive Director Mike Coates, Deputy Director Doug Manson, General Counsel Kevin Morris, Engineering & Projects Manager Ann Lee, Finance & Administration Manager Richard Anderson, System Operations Manager Terri Holcomb, Resource Management & Planning Manager Rachel Kersten, Agency Clerk

Others Present:

A list of others present who signed the attendance roster for this meeting is filed with the permanent records of the Authority.

CALL TO ORDER

Commissioner Doherty called the workshop to order at 10:35 a.m.

AGENDA

1. Budget Discussion for FY 2021

Budget issues and priorities presented to the Board for discussions:

Budget Issues:

- ✓ Rate model to project revenue/expenditure needs
- ✓ Prioritize funding to maintain infrastructure R&R Sufficiency Study
- ✓ SWFWMD Cooperative Initiative Funding Projects
- ✓ Emergency Disaster/Relief Reserve

Fiscal Sustainability:

- ✓ Maintain Bond Ratings at 'aa' category or higher
- ✓ Maintain reasonable water rates:
 - Next fiscal year FY 2021

- Near-term [2-5 years]
- Long term [5-20 years]
- ✓ Plan for debt reallocations in FY 2022 and FY 2028

CIP Initiatives:

- \checkmark Planning for long term water demands and resiliency
- ✓ Update and Adopt 5-Year CIP and 20-Year Needs Assessment for FY 2021
- ✓ Provide CIP funding for future projects

a. Board Calendar and Issues

The Authority has a budget process that takes staff, administrators and Board input throughout the process, and also seeks feedback from external agencies as well as the public. It is the intent to bring the Tentative Budget for FY 2021 back to the Board for approval on May 27^{th} and the final budget hearing for approval on August 5^{th} .

b. Rate Consultant Water Rate Model

Integrated Modeling System

- ✓ Real-time, dynamic control panel
- ✓ Side-by-side scenario comparisons
- ✓ Control key inputs & assumptions
- ✓ Capital funding optimization
- ✓ Alternative CIP/O&M evaluations

Andrew Burnham and Patrick Luce of Stantec provided an interactive overview of the Integrated Modeling System that is provided to and used by the Authority during the budget process.

The tools and models within this system allows the Authority to amplify and look at issues and priorities in real-time to better understand the consequences both near-term and long-term of the different alternatives and how they affect financial performance, reserves and debt coverage ratio targets, and also the active impact to the base charges and volumetric rates that each member's respective agencies, in turn, have to contribute to the Authority to meet those requirements.

Other key features of the modeling system are the ability to change capital projects as well as funding sources on the spot. Through interactive work sessions in this budget process, we explore those possibilities with the Board's staff to develop and evaluate the money consequences of different funding sources they might have.

c. R&R Sufficiency

Black & Veatch is currently evaluating levels of requirement with the R&R Sufficiency Study. The Integrated Modeling System will be updated consistently with R&R Study recommendations, as well as with all other FY 2021 budgetary requirements so that we can understand the implications of these items and what it would mean for the customer charges.

Commissioner Doherty commented that this is a great modeling system and it really looks like it is a tremendous tool. He continued that he appreciates R&R being brought up as it is a challenge for all of us having heard from the Secretary of DEP in Tallahassee this week on a bill that is going to pass and will require us to take and within a year report on the status of all of our existing facilities and what we think our R&R is going to be. It is going to have a major impact and R&R is a major challenge.

d. SWFWMD Cooperative Initiative Funding Projects

In preparation for the development of the FY 2021 budget the three regional projects that are currently being considered for SWFWMD co-funding, with one of those projects also having been submitted to the State of Florida for grant funding beginning July 2020, and the projected fund amounts needed from the Authority for these projects was presented to the Board for discussion and direction.

Project	SWFWMD Funding Request	State Funding Request	Authority Funds	Total Project Cost
Peace River Reservoir No. 3 (PR ³) Siting and Feasibility Study	\$625,000	\$1,500,000	875,000	\$3,000,000
Southern Regional Loop (Segment 2B & 2C) Routing and Feasibility Study	\$200,000		\$200,000	\$400,000
Regional Loop Phase 3C Routing and Feasibility Study	\$300,000		\$300,000	\$600,000
TOTAL	\$1,125,000	\$1,500,000	\$1,375,000	\$4,000,000

Authority staff received notice this week that all 3 projects have been ranked high by SWFWMD staff so SWFWMD funding of these projects looks promising as long as we can demonstrate an Authority funding match in our budget. Of the \$1.375M in Authority funds required, \$250K is already included and available in the planning assessment for FY 2020, so additional funding needed from the Authority in FY 2021 and FY 2022 is projected at \$1.125M.

The discussion and direction being sought are how these and other similar early-stage regional projects are incorporated in the Authority's annual budget. The transmission main projects are evaluating details for extension of the regional transmission system which improves system reliability and service to all customers and the reservoir project contemplates siting, design, operational and costs details for expansion at the Peace River Facility to meet future supply needs in the region. With that in mind, in the feasibility study stages, these and other similar projects could potentially be handled in the annual planning assessment portion of the budget. Planning assessment costs are collected proportionally to the population of each member and customer.

Commissioner Maio stated that he believes that as a board we need to be careful that we do not get lulled into thinking that this is seemingly so easy to consistently get the SWFWMD monies. It is an immense amount of effort on the part of our staff to get them in a position where they believe in us, agree with us, and are always there. He would not want to do anything to jeopardize that in this year's, next year's, and future year's budgets if they are requesting, especially ranking us so high consistently, our match and that it be demonstrated easily to them by it being included in our budget.

Commissioner Trace commented that she understands these are siting and feasibility studies and unless she is incorrect, to increase the Authority's capacity one of the members needs to request it seven years out. Has one of us requested a capacity increase?

Mr. Manson replied that the Authority can also add capacity under our contract.

Commissioner Trace asked that if we are paying \$3M just for a study what is the plan afterward? Are we planning on moving forward or are we going to wait for one of our members to ask for capacity, is a member that close to asking for capacity? What is our endgame?

Mr. Lehman stated that by our contract every January all the members give us their water use demand projections, and it looks like 2030 - 2035 is the sweet spot, it is a moving target every year, but it is coming. The question is, if the member wants to sign on the dotted line saying they want this much capacity, we need to be able to say this is the cost and this is the plan to do it.

Mr. Manson commented that he is hesitant to say so, but there is more certainty that we will receive the additional funding from both SWFWMD and the state now sooner rather than later.

Commissioner Maio commented that the obvious point is that we voted repeatedly full speed ahead on the third reservoir and I think these kinds of thoughts and actions on our part do exactly what you're suggesting and just there's a certainty in the part of our grant partners that yes, they are moving on this project.

Mr. Manson added that and unlike some of our other projects, this one will take a little more than the typical seven years to be able to build because of the size of the reservoir, the location and some complications with mitigation banking type credits and things like that. If we had just started the year that someone made the demand and had to be online in seven years, we could not make it with a project of this size.

Mr. Lehman stated that staff will present the financial options at the next Board meeting: (1) what we need to have in the budget? (2) how do we collect those monies? (3) through rates and/or assessments? (4) do we have some carry forward funds? We will also have a clearer picture of those funding column totals at that time.

Commissioner Doherty stated to Mr. Lehman that getting those options and his recommendations on each one to the individual one on ones with the Board Members before the next meeting will be helpful.

e. Budget Policies

In 2019 the Board reviewed and revised or accepted the Authority's current budget policies. The proposal for an emergency/disaster relief reserve is a new policy staff would like the Board to consider.

Insurance just approved named windstorm damage coverage up to \$60M with a 3% deductible or \$1.8M if severe damage was incurred. Most of the Authority's customers have such a reserve to cover insurance deductibles or lag in FEMA funds after a disaster. Staff proposed a discussion on the creation of and funding for a new Authority reserve for disaster relief.

The Authority recently received a check from the State of Florida from a class action settlement with the Alum manufacturers for about \$550K. That money could, should the Board choose to do so, be allocated to begin a disaster relief fund.

The Board members all agreed and gave their consensus that yes, this is something that we need to look at and determine how much and where the monies would come from.

Commissioner Maio asked if at the next Board meeting Authority staff would be making their recommendation on what they think the size of that reserve should be.

Mr. Coates confirmed that yes, that is the intent of staff.

2. Project Prairie Acquisition

Regional acquisition of the Project Prairie Pumping and Storage facilities owned by DeSoto County. These facilities were completed in early 2005. The Authority already owns some of the facilities at this site. These were acquired from the County by the Authority in 2005.

DeSoto Ownership

- Storage Tank and
- High Service Pump Building
- Chemical Feed System
- Emergency Generator

Authority Ownership [2005]

- RO Building
- Aerator System & Clearwell
- Emergency Supply Well

This pump station is strategically located within the regional system for boosting water either north from Punta Gorda or south from the Peace River Facility. It supports the back-up supply function to DeSoto County from the Phase 1 Interconnect pipeline facilities – blending, disinfecting and pumping water from Shell Creek to DeSoto, and it has the potential to serve future supplies identified in the Master Plan: brackish wellfield in DeSoto and future surface water supply development on Shell Creek.

With this in mind – the Authority staff discussed the regional acquisition of these facilities with the county and they agreed to explore this. Stantec has conducted a condition assessment of the facilities, reviewed the as-builts and operational and maintenance records, and determined the facilities are in good condition and have been well maintained. The original costs for the equipment and facilities were provided by the County. Some of the electrical components – in particular, the Variable Frequency Drives for the pump motors have recently been replaced due to a lightning strike.

All County 2005 costs were adjusted to today's dollars using the Engineering News Record Construction cost index ((1.512). Then they were depreciated based on the National Association of Regulatory Utility (NARUC) equipment life-span tables. The recent costs for the VFD's were included, and future costs of recommended improvements identified to bring facilities up to Authority's standards such as storage tank painting, flow meter upgrades and alike were deducted and a recommended acquisition price of \$748,700 was identified.

The Board gave their consensus that proceeding with the purchase looks logical from not only a financial standpoint but from a system-wide benefit one as well.

3. Peace River Regional Reservoir No. 3 (PR3) – Mitigation model

Wade Waltimyer and Amber Halstead of EarthBalance presented a wetland impact models & potential footprint review of the Peace River Regional Reservoir 3 (PR3) project.

Overview

- Scope of work
 - Estimated Wetland Boundaries
 - Scored Wetlands
 - Developed Impact Model

- Future applications
 - Quantify Wetland Impacts
 - Estimate Mitigation Costs
- "Uniform Mitigation Assessment Method" (UMAM)
 - Location and Landscape Support
 - Water Environment
 - Community Structure
 - UMAM Score × Acres Impacted = Debits
 - Example: 0.70 UMAM x 1.0 Acre Impacted = 0.7 Debits

Summary

- Physical Constraints
 - Reservoirs and ASR Well Fields
 - 42- Inch Pipeline
 - Property Boundaries
- Cost Drivers
 - Wetland Quality/Type
 - Land Acquisition Costs (Boran Ranch)
 - Impact Basin
 - On-Site Mitigation Area

BOARD MEMBER COMMENTS

There were no additional Board comments.

PUBLIC COMMENTS

There were no public comments.

ADJOURNMENT

There being no further business to come before the Board, the workshop adjourned at 11:46 a.m.

Commissioner Ken Doherty Chairman

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 3

Resolution 2020-01 'Recognition of the Month of April as Water Conservation Month'

Recommended Action -

Motion to approve Resolution 2020-01 'Recognition of the Month of April as Water Conservation Month'.

By adoption of this resolution, the Authority will be joining with the State of Florida, water management districts, local governments and water-related organizations in recognizing the importance of water conservation in sustaining the water resource.

Attachments:

Resolution 2020-01 'Recognition of the Month of April as Water Conservation Month'

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Resolution 2020-01

RECOGNITION OF THE MONTH OF APRIL AS WATER CONSERVATION MONTH

The Peace River Manasota Regional Water Supply Authority, created pursuant to Chapter 373.1962, Florida Statutes, now found in Section 373.713, Florida Statutes, and Interlocal agreement pursuant to Chapter 163.01, Florida Statutes, in lawful session and in regular order of business properly presented, finds that:

WHEREAS, water is a basic and essential need and critical issue facing Florida as it strives to maintain economic prosperity through residential growth, tourism, agriculture and construction; and,

WHEREAS, demands on natural supplies of fresh water to meet the needs of a growing population and the needs of the environment, agriculture and industry will continue to increase; and,

WHEREAS, the State of Florida, Southwest Florida Water Management District, Authority and local governments are working together to increase awareness about the importance of water conservation; and,

WHEREAS, the State of Florida has designated April, typically a dry month when water demands are most acute, Florida's Water Conservation Month, to educate citizens about how they can help save Florida's precious water resources; and,

WHEREAS, the Authority and its member counties encourage and support water conservation and efficiency through various educational programs and special events; and,

WHEREAS, every business, industry, school and citizen can make a difference when it comes to water conservation and thus promote a healthy economy and community.

NOW, THEREFORE, BE IT RESOLVED, by the Peace River Manasota Regional Water Supply Authority Board of Directors that the month of April is proclaimed as 'Water Conservation Month' and is calling upon each citizen and business to help protect our precious resource by practicing water saving measures and becoming more water efficient.

Done at Arcadia, Florida this Twenty-Seventh day of May 2020.

Peace River Manasota Regional Water Supply Authority

Attest:

Patrick J. Lehman Executive Director Commissioner Ken Doherty Chairman

Approved as to Form:

Douglas Manson General Counsel for Peace River Manasota Regional Water Supply Authority

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 4

Resolution 2020-02 'Recognition of National Drinking Water Week'

Recommended Action -

Motion to approve Resolution 2020-02 'Recognition of National Drinking Water Week'.

The importance of water is too often overlooked. Safe drinking water is the lifeblood of our communities yet few people understand the true value of what comes from their tap. The Authority is pleased to take this opportunity with the American Water Works Association to remind everyone that a reliable water system is essential to their everyday life by proclaiming May 3-9, 2020 as 'National Drinking Water Week'.

Attachments:

Resolution 2020-02 'Recognition of National Drinking Water Week'

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Resolution 2020-02

RECOGNITION OF NATIONAL DRINKING WATER WEEK

The Peace River Manasota Regional Water Supply Authority, created pursuant to Chapter 373.1962, Florida Statutes (subsequently reenacted as Section 373.713), and interlocal agreement pursuant to Chapter 163.01, *et seq.*, Florida Statutes, in lawful session and in regular order of business properly presented, finds that:

WHEREAS, water is our most valuable natural resource; and,

WHEREAS, drinking water is a basic and essential need for the health, safety and welfare of the public; and,

WHEREAS, our standard of living and economic prosperity depends upon a safe and reliable water supply that is sustainable and protective of our natural resources; and,

WHEREAS, a reliable, sustainable, safe and affordable drinking water supply is critical in supporting our economic growth and quality of life now and for future generations; and,

WHEREAS, all citizens of our communities are called upon to be good stewards in protecting our source waters from pollution, to practice water conservation, and to get involved in local water issues.

NOW, THEREFORE, BE IT RESOLVED, by the Authority Board of the Peace River Manasota Regional Water Supply Authority that May 3-9, 2020 is proclaimed as 'National Drinking Water Week'.

Done at Arcadia, Florida this Twenty-Seventh day of May 2020.

Peace River Manasota Regional Water Supply Authority

Attest:

Patrick J. Lehman Executive Director Commissioner Ken Doherty Chairman

Approved as to Form:

Douglas Manson General Counsel for Peace River Manasota Regional Water Supply Authority

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 5

Award Contracts for Purchase of Water Treatment Chemicals

Recommended Action -

Motion to ratify the Contracts for Purchase of Water Treatment Chemicals with the recommended lowest responsible and responsive bidders executed by the Executive Director per emergency procurement.

Water treatment chemicals were bid in accordance with the Authority's Procurement Policy and staff recommends award of contracts to the lowest responsible and responsive bidders as listed below. Contracts are for an initial term of thirteen (13) months to better align contractual dates with the current Board schedule (April 1, 2020 through April 30, 2021), and are eligible for up to two (2) one-year extensions upon mutual consent of the parties.

Bid Item	Chemical	Recommended Bidder	Unit Cost
No. 1	Powdered Activated Carbon	CarbPure LLS	\$1,580.00 per dry ton
No. 2	Sodium Hypochlorite	Allied Universal Corporation	\$0.502 per gallon

As a result of the COVID-19 pandemic and the cancellation of the Authority Board of Directors meeting scheduled on March 30, 2020 the Executive Director executed the contracts to provide for the purchase of water treatment chemicals past the expiration of the prior contracts and are presented for the Board to ratify.

Budget Action: No action needed.

Attachments:

- Tab A Notice of Award
- Tab BBid Tab and Chemical Price Comparison
- Tab C Sample Contract for Purchase of Water Treatment Chemicals
- Tab DPowdered Activated Carbon Performance Testing Results

TAB A Notice of Award

NOTICE OF INTENDED DECISION

Water Treatment Chemicals (Bid Opening Date: March 4, 2020)

Recommended Action - Award Purchase Contracts for Water Treatment Chemicals to the recommended lowest responsible and responsive bidders.

Water treatment chemicals were bid in accordance with the Authority's Procurement Policy. Bids were opened on March 4, 2020.

Staff recommends the Authority Board of Directors award contracts to the lowest responsible and responsive bidders as listed below at the Authority Board meeting on April 29, 2020. Bid tabulation is attached.

Bid Item	Chemical	Recommended Bidder	Unit Cost
No. 1	Powdered Activated Carbon	CarbPure	\$1,580/ton
No. 2	Sodium Hypochlorite	Allied Universal	\$0.502/gal

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.

Posted: March 20, 2020



BID OPENING

Water Treatment Chemicals 2020

March 4, 2020 @ 2:00 PM 9415 Town Center Pkwy, Lakewood Ranch, FL 34202

BID TABULATION SHEET

Company Name	Time Bid Opened	Total Bid Amount: Item No. 1 Powdered Activated Carbon (\$/ton)	Total Bid Amount: Item No. 2 Sodium Hypochlorite (\$/gal)	
Univar:	2:00pm.	No bid.	no bid.	
Odessey Manufacturing			.547.	
Calgon: Carbon.		whp10001,780.00		
Allied. Universal.	2:03 pm.	→ 771·°	.502	
Donay. Carbon	2:04 prot.	Water carb 1000 - \$100		
		Water carb 1000 supra 2 - 18580		
Jacobi.	2:08 pm	\$1,930·四		
Carb Pure:	2:09 pm.	CP 800 F - + 1,380.00 CP 800 F RA - + 1,580.00		
		\wedge		
Bids Opened By: And Lee Finance & A Name & Title	Imin Mayor	Signature		
Witnessed By: Marisol Garcia- Name & Title				

Peace River Facility Chemical Bids Carbon Testing Performance Factors March 2020

		PAC Dose	Bid cost	Performance		Rank (see note d)		
	SAMPLE CODE	(see note b)	per ton	Factor	Effective Cost		Sieve Test	MSDS Minimum
Carbon Name	(see note a)	(mg/l)	(\$)	(see note c)	(\$)	(see note u)	(%<400)	Iodine
Donau Carbon Water Carb 1000	А	41.9	\$1,771	1.27	\$2,249	6	70	900
Jacobi AquaSorb CB1-MW, PAC-F	В	53.7	\$1,930	1.63	\$3,146	8	90	950
Donau Carbon Water Carb 1000 Supra	С	36.1	\$1,850	1.09	\$2,017	4	70	1000
Calgon WPH1000	D	33	\$1,780	1.00	\$1,780	2	90	1000
Donau Carbon Water Carb 1000 Supra-1	E	41.9	\$1,850	1.27	\$2,350	7	70	1000
Carb Pure CP 800 F	F	45.5	\$1,380	1.38	\$1,904	3	90	800
Donau Carbon Water Carb 1000 Supra-2	G	38	\$1,858	1.15	\$2,137	5	70	1000
Carb Pure CP 800 F RA	Н	37	\$1,580	1.12	\$1,770	1	90	800

Notes

a) Samples were sent as blind samples to the lab, only the Authority was aware of their true identities.

- **b)** Samples analyzed by Engineering Performance Solutions, Inc. of Jacksonville, Florida in a matrix of raw Peace River water spiked with synthetic organic taste and odor compounds. Dose indicated was the dose required to reduce the taste and odor compounds to target levels in an established timeframe.
- c) Performance factor is established to be 1.0 for the lowest dose that achieved the desired performance metric. This is the baseline dose for comparison and becomes the denominator in the quotient that then defines every other sample identified as: Performance Factor X = (Dose X)/(Baseline Dose)
- d) *Indicates Failed to achieve 70% removal at 70 mg\L dose rate.

TAB BBid Tab & Chemical Price Comparison



BID OPENING

Water Treatment Chemicals 2020

March 4, 2020 @ 2:00 PM 9415 Town Center Pkwy, Lakewood Ranch, FL 34202

BID TABULATION SHEET

Company Name	Time Bid Opened	Total Bid Amount: Item No. 1 Powdered Activated Carbon (\$/ton)	Total Bid Amount: Item No. 2 Sodium Hypochlorite (\$/gal)	
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Donay. Carbon	2:04 prot.	Water carb 1000 - \$100		
		Water carb 1000 supra 2 - 18580		
Jacobi.	2:08 pm	\$1,930·四		
Carb Pure:	2:09 pm.	CP 800 F - + 1,380.00 CP 800 F RA - + 1,580.00		
		\wedge		
Bids Opened By: And Lee Finance & A Name & Title	Imin Mayor	Signature		
Witnessed By: Marisol Garcia- Name & Title				

Current Water Treatment Chemical Pricing

Bid Item	Chemical	Current Unit Cost	New Unit Cost
No. 1*	Powdered Activated Carbon	\$1,860.00 per dry ton	\$1,580.00 per dry ton
No. 2	Sodium Hypochlorite 12% Solution	\$0.442 per gallon	\$0.502 per gallon

*Bid Item No. 2 Powdered Activated Carbon requires performance testing to determine the effective cost based on specific performance factors for the Peace River Facility. This testing has been completed. Test results and performance evaluation is attached.

TAB C Contract

CONTRACT FOR PURCHASE OF GOODS WATER TREATMENT CHEMICALS

WHEREAS the Authority desires to engage the Seller to provide water treatment chemicals for the Peace River Regional Water Supply Facility, hereinafter referred to as the "Peace River Facility" on an as-needed basis for a fixed price; and

WHEREAS the Seller desires to supply water treatment chemicals as described herein, and has the experience, personnel, and resources to provide these chemicals in a timely manner.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties agree as follows:

ARTICLE 1. INTEGRATED AGREEMENT

The terms of this Agreement are intended by the parties as a final expression of their agreement with respect to its terms and as a complete and exclusive statement of its terms. The recitations are incorporated herein by reference.

ARTICLE 2. DESCRIPTION OF GOODS

The Seller undertakes to transfer ownership, sell, and deliver possession to the Authority, and the Authority shall pay for, buy and accept the following water treatment chemicals:

These chemicals are to be furnished FOB destination price for the delivery and unloading of water treatment chemicals at the Peace River Facility located in DeSoto County as set forth in the Bid Documents and hereinafter referred to as the "goods" or "chemicals".

ARTICLE 3. TIME AND PLACE OF DELIVERY

Delivery of the goods shall occur within five (5) business days of being requested by the Authority except for powder activated carbon which shall be delivered within ten (10) business days upon receipt of request for goods by the Authority.

The goods shall be delivered to and unloaded at the Peace River Facility, 8998 SW County Road 769, Arcadia, Florida 34269 ("place of delivery"). Time is of the essence and the Seller shall be held strictly to the delivery date from the receipt of the purchase order. Chemicals not delivered by the date specified shall justify the Authority's option to terminate the contract. All deliveries shall be made between the hours of 8:00 A.M. and 3:00 P.M. EST, Monday through Friday, excluding holidays, unless otherwise agreed to by the Authority.

Seller confirms that its equipment is compatible with the Authority's unloading and storage facilities at no inconvenience to the Authority. Certified weight or volume (as applicable to unit costs) tickets are required with each delivery. The Seller shall provide a separate delivery ticket for each delivery and shall obtain an authorized signature from the Authority. At least one copy of the delivery ticket and corresponding weight or volume (as applicable to unit costs) ticket shall be provided to the Authority with each delivery.

Each individual purchase shall be assigned a Purchase Order. Separate invoicing shall be required for each delivery, showing the Purchase Order number. Seller shall also comply with all requirements of the Safety Measures attached hereto as Exhibit E.

ARTICLE 4. PRICE

The unit prices, FOB destination quoted by the Seller in its Bid Form, and attached as Exhibit A, shall be considered firm throughout the term of the Agreement. The prices quoted shall be used for payment and shall include payment in full for all transportation, labor, equipment and other costs used in delivering all goods to the point of delivery and the unloading of such goods. There shall be no cost adjustments.

Storage tanks, where required, for goods offered under this Agreement shall be furnished by the supplier(s) at the Authority's option on loan, and at no cost to the Authority. Estimated quantities are not guaranteed. The Authority is not obligated to make any minimum quantity purchases from the Seller during the Agreement term.

ARTICLE 5. CANCELLATION

Failure by the Seller to comply with terms of this Agreement shall be deemed a breach of contract claim against Seller and shall, at the Authority's sole and absolute discretion, result in the cancellation of this Agreement in accordance with ARTICLE 19. TERMINATION.

ARTICLE 6. COMPENSATION

The Seller shall prepare and submit to the Authority invoices for goods delivered. The Executive Director, or the Executive Director's designee, shall approve payment after verifying delivery is in compliance with all requirements of this Agreement. Payment shall be made in accordance with the Part VII of Chapter 218, Florida Statutes, Florida Prompt Payment Act. The Authority may, in addition to other remedies available at law or equity, retain such monies from amounts due Seller as may be necessary to satisfy any claim for damages, penalties, costs, and the like asserted by or against the Authority. The Authority may set off any liability or other obligation of the Seller to the Authority against any payments due the Seller under this Agreement.

ARTICLE 7. SELLER'S ASSIGNMENT OF PAYMENT

The Seller may not assign the right to receive payment from the Authority.

ARTICLE 8. EXPRESS WARRANTY

In addition to any implied warranties of the Uniform Commercial Code, the Seller warrants to the Authority that the goods being sold under this Agreement shall strictly meet the specifications in Exhibit D.

ARTICLE 9. RIGHT OF INSPECTION

The Authority shall have the right to inspect the goods at the time and place of delivery, before payment or acceptance.

ARTICLE 10. ALLOCATION OF RISK OF LOSS

Any risk or loss associated with the goods remains with the Seller until the time of acceptance of the goods by the Authority at the place of delivery.

ARTICLE 11. REJECTION OF NONCONFORMING GOODS

Rejection of goods for failure to conform to the requirements of this Agreement must be made within thirty (30) days after their delivery and inspection. The Authority shall send written notification of the rejection to the Seller. The notice must state the basis of the alleged nonconformity of the goods and describe the portion of the shipment being rejected.

On receipt of notification of rejection, the Seller shall immediately arrange for the return shipment of the goods at the Seller's expense. The Seller shall ship replacement conforming goods, at no additional cost to the Authority, within ten (10) business days of the notice of rejection unless the Authority notifies the Seller to forgo the shipment before that date.

ARTICLE 12. ADDITIONAL REMEDIES OF THE AUTHORITY

In addition to any of the remedies provided under the Uniform Commercial Code, if the Seller is unable to provide services because of breakdown, product scheduling, lack of product or equipment, then the Authority may, on an order basis, go to another supplier and the Seller recognizes that this Agreement is not an exclusive contract to purchase chemicals.

ARTICLE 13. EXCLUSIVE REMEDIES OF THE SELLER

The exclusive remedies of the Seller under this Agreement are to have any goods not paid for returned to the Seller, or to receive, on demand, the purchase price for any goods not paid for in accordance with the terms of this Agreement and not returned within sixty (60) days of the demand.

ARTICLE 14. WAIVER

No claim or right arising out of a breach of this Agreement can be discharged by the Authority in whole or in part by a waiver or renunciation of the claim or right unless the waiver or renunciation is supported by consideration, is in writing, and is signed by the Executive Director or appointed designee.

ARTICLE 15. SELLER'S DELEGATION

The Seller may not delegate its performance in the delivery of goods under this Agreement without the prior written consent of the Authority. Written consent shall be in Authority's sole discretion, and if granted, shall be given once the Authority has received satisfactory assurances that the quality of goods being substituted shall be equivalent to that of the contract goods, that all terms of the Contract Documents are complied with, and that the delegation shall not otherwise adversely affect the Authority's rights and obligations with regard to other sellers.

ARTICLE 16. SELLER'S INSURANCE REQUIREMENTS

The Seller shall, at all times during the term of this Agreement, secure and maintain the following forms and amounts of insurance coverage during the life of this Agreement:

• Workers' Compensation and Employer's Liability Insurance. The Seller shall secure and maintain Workers' Compensation insurance for all employees employed including supervision, administration, and management personnel. All such insurance shall comply with Florida Workers' Compensation Law. Coverage shall include a waiver or subrogation clause in favor of the Authority. Seller shall also be protected against claims for injury, disease, or death of employees which, for any reason, may not fall within the provisions of a workers' compensation law.

The liability limits shall be not less than:

Workers' compensation

Statutory

Employers' liability

\$100,000 each occurrence \$500,000 Disease – Policy Limit \$100,000 Disease – Each Employee • *Business Automobile and Public Liability Insurance*. The Seller shall secure and maintain Business Automobile and Public Liability insurance that shall be occurrence type, written in comprehensive form, and shall include Seller's owned, non-owned, and hired motor vehicle coverage. Seller shall secure and maintain other Public Liability insurance against all other Bodily Injury, Property Damage, and Personal Exposures. Additionally, Seller shall be required to carry Public Liability coverage including: (1) On and Off Premises Operation Liability; (2) Personal Injury Liability Insurance; and (3) Independent Contractor Liability. All liability insurance shall be written on an occurrence basis and shall not be written on a claim-made basis.

The liability limits shall be not less than:

Business Automobile & Public\$1,000,000 combined single limitLiability Insurancefor each occurrence

• Commercial General Liability Insurance. Seller shall secure and maintain Commercial General Liability Insurance that shall be occurrence type, written in comprehensive form, and shall protect Seller, and Authority as additional insureds, against claims arising from injuries, sickness, disease, or death of any person or damage to property arising out of the provision of good under this Agreement. This policy must include a pollution liability coverage. The policy shall also include a per project aggregate limit endorsement, personal injury liability coverage, contractual liability coverage, and products liability coverage, and coverage for blasting, explosion, collapse of buildings, and damage to underground property. The liability limits shall be not less than:

Bodily Injury and Property\$1,000,000combinedsinglelimitDamagefor each occurrence

All insurance policies, except the Workers' Compensation policy, shall be endorsed to include as additional insureds: the Authority, its directors, officers, employees and agents. Such insurance policies shall include or be endorsed to include a cross liability clause so the additional insureds will be treated as if a separate policy were in existence and issued to them. If the additional insureds have other insurance, which might be applicable to any loss, the insurance required of Seller shall be considered primary, and all other insurance shall be considered excess. The cross liability clause does not increase the limits of liability or aggregate limits of the policy. Seller has provided Authority with Certificates of Insurance for all policies in compliance with this Agreement prior to the execution of this Agreement. The required Certificates of Insurance not only shall name types of policies provided but also shall refer specifically to the Agreement. Failure of Seller to maintain said insurance coverage shall be deemed a breach of the terms of the Agreement and may, at Authority's sole and absolute discretion, result in the immediate termination of this Agreement. All of the policies of insurance required to be purchased and maintained (or the certificates or other evidence thereof) shall contain a provision or endorsement that the coverage afforded will not be cancelled, materially changed, or renewal refused, until at least thirty (30) days prior written notice has been given to the Authority and Seller by certified mail. Seller shall give notice to the Authority within twenty-four (24) hours of any oral or written notice of adverse change, non-renewal or cancellation. If the initial insurance expires prior to term of this Agreement, renewal Certificates of Insurance shall be furnished thirty (30) days prior to the date of their expiration. Failure of Authority

to demand such certificates or other evidence of Seller's full compliance with these insurance requirements or failure of Authority to identify a deficiency in compliance from the evidence provided shall not be construed as a waiver of Seller's obligation to maintain such insurance.

ARTICLE 17. CONTRACT TERM

Term of this contract is for **thirteen (13) months** commencing on April 1, 2020 through April 30, 2021 and may be extended for two (2) one (1) year periods upon mutual written agreement of both parties.

Written agreement for each contract extension shall be approved no later than January 15 for the ensuing contract year. All Agreement terms, including ARTICLE 4. PRICES, shall remain the same through the term of any extension.

ARTICLE 18. CONTRACT DOCUMENT

The Contract Documents that comprise the contract between the Authority and the Seller are attached hereto and made a part hereof and consists of the following:

- This Agreement;
- Bid Form, attached as Exhibit A;
- Invitation to Bid, attached as Exhibit B;
- Instruction to Bidders, attached as Exhibit C;
- Technical Specifications, including the Minimum Specifications for Water Treatment Chemicals, attached as Exhibit D;
- Safety Measures, attached as Exhibit E;
- Any addenda to the Bid Documents, if applicable, attached as Exhibit F; and

• Any written amendments or modification to this Agreement.

ARTICLE 19. TERMINATION

This Agreement may be terminated by the Authority, with or without cause, upon seven (7) days written notice. In the event the Agreement is terminated by Authority, the duties and obligations of Seller under the following provisions shall survive termination and continue in full force and effect:

- 1. ARTICLE 10. ALLOCATION OF RISK OF LOSS;
- 2. ARTICLE 12. ADDITIONAL REMEDIES OF THE AUTHORITY;
- 3. ARTICLE 13. EXCLUSIVE REMEDIES OF THE SELLER;
- 4. ARTICLE 19. TERMINATION;
- 5. ARTICLE 20. GOVERNING LAW; and
- 6. ARTICLE 24. INDEMNIFICATION.

ARTICLE 20. GOVERNING LAW

This Agreement shall be governed by and construed in accordance with the Uniform Commercial Code - Sales. Wherever the term "Uniform Commercial Code" is used, it shall be construed as meaning the Uniform Commercial Code as adopted in the State of Florida, as effective and in force on the date of this Agreement.

Should litigation be necessary to enforce any term or provision of this Agreement, or to collect any portion of the amount payable under this Agreement, then all litigation and collection expenses, witness fees, court costs and reasonable attorneys' fees shall be paid to the prevailing party. The venue of any litigation resulting out of this Agreement shall be in the county or circuit court, whichever is applicable, in and for Manatee County, Florida.

ARTICLE 21. PARTIES BOUND

This Agreement shall be binding on and inure to the benefit of its parties and their partners, successors, assigns and legal representatives when permitted by this Agreement.

ARTICLE 22. NON-EXCLUSIVITY

This is not an exclusive contract. The Authority has the right to contract with other suppliers for the purchase of water treatment chemicals described in Exhibit B from one or more suppliers.

ARTICLE 23. MODIFICATION

This Agreement may be modified only in writing and signed by both parties or their duly authorized agents.

ARTICLE 24. INDEMNIFICATION

The Seller shall indemnify and save the Authority, its agents, servants and employees harmless from and against any claim, costs, including its attorney's fees, or cause of action of whatsoever kind or nature caused by negligent error, omission or act of the Seller, its agents, servants or employees in the performance of this Agreement.

ARTICLE 25. INDEPENDENT CONTRACTOR

The Seller expressly warrants that it will not represent at any time or in any manner that the Seller or any of its agents, servants or employees are agents, servants or employees of the Authority. It is understood and agreed that the Seller is, and shall at all times remain as to the Authority, a wholly independent contractor and that the Seller's obligations to the Authority are solely as prescribed by this Agreement. It shall be the responsibility of the Seller to assure compliance with local, state or federal laws and regulations or other requirements as each may apply to the sale, delivery and goods purchased pursuant to this Agreement.

ARTICLE 26. SEVERABILITY

In the event any one or more of the provisions contained in this Agreement shall for any reason be held invalid, illegal, or unenforceable in any respect, the invalidity, illegality, or unenforceability shall not affect any other provision and this Agreement shall be construed as if the invalid, illegal, or unenforceable provision had never been contained in it.

SECTION 27. SCRUTINIZED COMPANIES

Pursuant to Section 287.135, Florida Statutes, a company that, at the time of bidding or submitting a proposal for a new contract or renewal of an existing contract, is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes, or has been engaged in business operations in Cuba or Syria, shall be ineligible for, and may not bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of \$1 million or more. By signing this Agreement, Seller certifies that it is not currently on either of the aforementioned lists and agrees to notify the Authority may terminate this Agreement and bring a civil action against the Seller, which may result in a penalty equal to the greater of \$2 million or twice the fee resulting from this Agreement and all reasonable attorney's fees and costs. The Authority may also terminate the Agreement if the Seller is deemed to have been placed on the Scrutinized Companies that Boycott

Israel List or is engaged in a boycott of Israel.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of

the date and year first written above.

ATTEST:	Peace River Manasota Regional Water Supply Authority
	Patrick J. Lehman, Executive Director
WITNESS	SELLER:
Ву:	
By:	Print Name & Title

APPROVED AS TO FORM:

Douglas Manson, General Counsel
Peace River Manasota
Regional Water Supply Authority

TAB D Carbon Test Results

POWDERED ACTIVATED CARBON PERFORMANCE FACTORS FOR THE PEACE RIVER REGIONAL WATER SUPPLY FACILITY

As commisioned by:

Peace River/Manasota Regional Water Supply Authority

Prepared by:

Engineering Performance Solutions, LLC 3161 St. Johns Bluff Rd. Suite 3 Jacksonville, FL 32246 Phone: 904-645-7775

Report #: 19.600.0320

03.18.2020

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SCOPE

Engineering Performance Solutions (EPS) specializes in assisting water utilities with the selection of their treatment chemicals in addition to conducting routine water quality monitoring. One particular specialty lies in the analyses of taste- and odorcausing compounds and in this case specifically, 2-methylisoborneol (MIB) and geosmin. Activated carbon (i.e., PAC and GAC) is commonly used among water treatment facilities to remove these displeasing compounds. Although, PAC and GAC are often purchased based on indices such as iodine number, phenol value, molasses number, and tannin value, these properties however have not correlated well with performance. Therefore, this necessitates that activated carbons be selected based on testing versus specifications. These results are received through performance based testing, which is developed specifically for each utility.

With agreement between the Peace River Manasota Regional Water Supply Authority (Authority) and EPS, a proposal was authorized by the Authority on 03/05/20 to perform the following:

<u>Evaluation of Carbons and Design of Performance Factors</u> - The scope of the project, as defined by the Authority, was to analyze 8 PACs provided by the Authority under simulated full-scale conditions at the Peace River Water Treatment Plant. The PAC profiling work was to include both MIB and geosmin 4-point dose removal curves and resulting performance factors

BACKGROUND

The occurrence of tastes and odors in drinking water is a serious problem for water utilities in the United States and throughout the world. According to a taste and odor survey by the American Water Works Association, of 377 water utilities questioned, 43% reported both taste and odor episodes exceeding one week and 16% had serious odor problems that occurred seasonally (Suffet et al., 1996). These offensive tastes and odors in potable water may arise in the raw water supply, during the treatment process (i.e., chlorination), or from microbial growth in the distribution system. The focus of this work was on compounds that manifest tastes and odors in raw water supplies; specifically 1,2,7,7-tetramethyl-bicyclo-heptan-2-ol (2-methylisoborneol or MIB) and trans-1,10-dimethyl-trans-9-decalol (geosmin), which impart an earthy/musty odor (Herzing et al., 1977; Lalezary et al., 1986b; Pendleton et al., 1997).

Many water utilities rely on conventional water treatment methods, such as coagulation-sedimentation and rapid sand filtration, to contend with tastes and odors. However, conventional treatment and other common treatment technologies, such as air stripping and oxidation, are ineffective for removing MIB and geosmin (Lalezary et al., 1984; Lalezary et al., 1986a). Chlorine oxidation was shown to be unsuccessful in removing MIB and geosmin by Lalezary et al. (1986b). In addition, chlorine can temporarily mask the musty/earthy odors, and, in some cases, enhance



them and subsequently manifest them back in the distribution system when the chlorine residual dissipates.

Many researchers have studied methods besides conventional treatment for the removal of tastes and odors. A common method found for successfully removing these tastes and odors to acceptable concentrations is the application of activated carbon (Herzing et al., 1977; Lalezary et al., 1986a; Vik et al., 1988; Chen et al., 1997; Pendleton et al., 1997; Gillogly et al., 1998). Carbon is very effective for removing these compounds due to its high specific surface area ($500 - 1800 \text{ m}^2/\text{g}$), large adsorption capacity, high degree of surface reactivity, and porosity.

The Peace River facility currently utilizes PAC to combat taste and odors and seeks to enhance their dosage requirements by using the PAC performance based testing conducted by EPS. This surface water treatment facility receives water from the nearby Peace River, which is fed by upstream lakes (i.e., Lake Hancock and several water bodies from the Polk County area). The Authority currently has two manmade unlined off stream reservoirs (approximately 30 - 35 ft. deep) which allows for settling of the Peace River water prior to delivery into the Authority's treatment system.

METHOD

Dosing regimen of the powdered activated carbon, plant flow, chemical additions and other specifications were originally collected during a prior site visit to the Peace River Facility, as well as phone conversations and email correspondence from last year's project. Updated information for this year's project was collected via phone conversations and mail between EPS personnel and the Authority's System Operations Manager Mr. Richard Anderson.

In conducting these experiments, raw water from Reservoir 2 was collected from the effluent flume in an attempt to provide a more representative raw water sample. This sample was later chilled and shipped to EPS via overnight delivery. The water was received the next morning (03.06.2020), and was refrigerated at 4 °C. Just prior to conducting the analyses the raw water was returned to room temperature. Geosmin and MIB standards from the chemical supplier Supelco (Bellefonte, PA: part numbers 47522-U and 47523-U) were used to achieve the MIB and geosmin concentrations of interest within the raw water.

The resulting design for the project was as follows:

 Due to the lack of historical MIB and geosmin occurrence data of the Authority's raw water source, an estimate had to be made of the concentrations that could potentially be experienced. Authority representatives thought it best to evaluate concentrations based on historical data seen at the nearby Manatee County Water Treatment Facility. It was communicated by the Authority for this report to mimic the higher



concentrations as seen by Manatee County (60 ng/L of MIB and 30 ng/L of geosmin). Both MIB and geosmin were dosed collectively for each jar test for two reasons: (1) to simulate competition between the compounds and (2) to mimic full-scale interactions where the two typically coexist in the environment. The initial concentrations of these compounds will not impact the dose removal curve of the PAC studies, as the generation of these curves is independent of starting concentration (Gillogly et al, 1998).

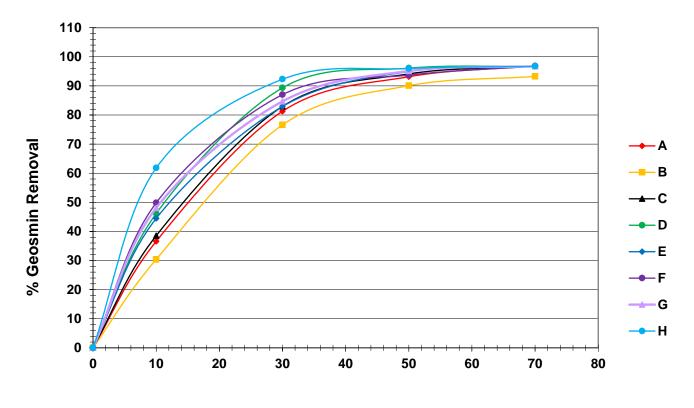
- 2. The occasional caustic soda addition prior to PAC addition had no significant discernable impact on percent removal of MIB and geosmin by PAC in previous studies; therefore it was not included in this study.
- 3. The jar tests were run with a contact time of 20 minutes. The procedure for the jar tests is part of the AWWA PAC Standard (AWWA B600).

In each scenario for the Peace River facility, PAC doses of 10, 30, 50, and 70 mg/L along with a blank (i.e., no PAC added), were used to generate dose removal curves for MIB and geosmin. All samples were measured in duplicate via Solid Phase Microextraction (SPME)/Gas Chromatography/Mass Spectrometer (GC/MS) using method 6040 D of the Standard Methods for the Examination of Water and Wastewater 22nd Edition. The averaged detailed results used to generate the dose removal curves contained herein can be found in the attached quality assurance/quality control (QA/QC) report in Appendix A. For graphing purposes all results below the Minimum Reporting Limit (MRL) of 1.0 ng/L was reported at 0.99 ng/L

RESULTS

Figures 1 and 2 shown below represent the graphical results of the 8 PACs (labeled A to H) for percent removal of geosmin and MIB, respectively (Appendix B contains these very same figures only detailed and enlarged).





PAC Dose (mg/L)

Figure 1. Peace River/Manasota Regional Water Supply Facility Geosmin Dose Removal Curve



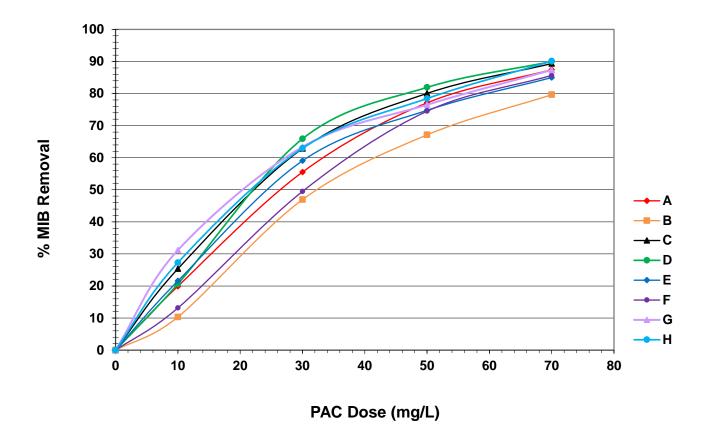


Figure 2. Peace River/Manasota Regional Water Supply Facility MIB Dose Removal Curve

DISCUSSION

Figure 1 depicts geosmin dose removal curves for 8 PACs provided by the Authority. For the same PAC dose, the spread of performance for the 10 PACs were very diverse. All of the carbons reached 70% removal at doses less than 26 mg/L. This high success rate is not uncommon since geosmin is typically more easily removed from conventional water treatment practices versus its counterpart, MIB.

Figure 2 represents MIB dose removal curves with the same 8 PACs provided by the Authority. In this case, the curves were just as diverse as in Figure 1, and the PAC dose required to remove MIB is clearly higher. In the case of geosmin, all of the carbons achieved 70% removal at carbon doses below 26 mg/L, whereas with MIB, all of the carbons were able to remove 70% at doses below 53.7 mg/L.

The performance factor ranking utilized the following scenario and is discussed further in the Conclusions:



- 1. MIB was chosen as the primary factor over geosmin due to its persistence in the effluent versus its counterpart.
- 2. 70% removal of MIB was sufficient to capture the majority of the MIB with typical PAC dosages.

CONCLUSIONS

Eight PACs were compared for their ability to remove MIB and geosmin (spiked to approximately 60 ng/L and 30 ng/L respectively) from Reservoir 2 raw water collected on 03.05.20. PAC doses were chosen with a contact time of 20 minutes based on previous studies (Report # 19.1.0603.Final-Amended). Dose removal curves were generated for MIB and geosmin with the Authority's raw water. With this data, performance factors were then generated to compare the PACs. These performance factors could then be used to determine a weighted PAC cost that incorporates performance and cost of the carbon.

The calculation for the performance factors are as follows:

- 1. The performance factor for each PAC was determined by using 70% MIB removal as the target. For instance, if the Facility required the influent concentration of 30 ng/L to be reduced to 9 ng/L which is below the OTC (Odor Threshold Concentration), this would require 70% removal.
- 2. Based on the figure attached in the report, construct a horizontal line across the figure at 70% removal until it intersects each PAC (Figure 3 provides an approximation of the method). At the intersection construct a vertical line down to the x-axis. Each vertical line will provide the PAC dose required to remove 70% of the MIB. EPS increased the precision of this method by adjusting the x-axis values in Microsoft Excel and the results are shown in Table 1 below.
- 3. Divide the dose for each PAC that achieves the target removal (i.e., 70%) by the smallest dose of the PAC that achieves the target removal. This determines the relative performance factors. For example,
 - D = 33.0 / 33.0 = 1.00
 - C = 36.1 / 33.0 = 1.09
- 4. Finally, by multiplying the performance factor by the cost submitted by each carbon vendor, the best PAC based on performance and cost can be chosen.



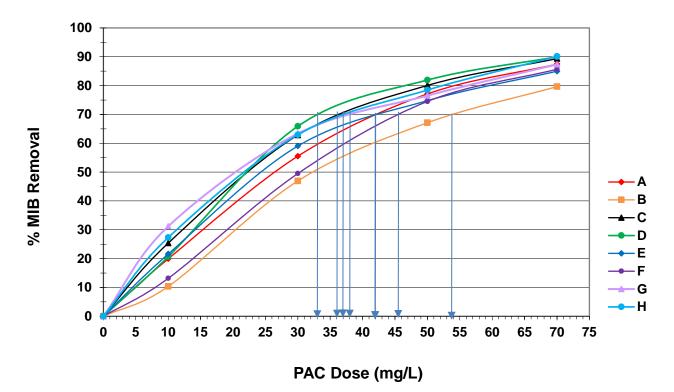


Figure 3. Example of Performance Factor Calculation at 70% MIB Removal for Peace River

PAC	PAC Dose (mg/L)	Performance Factor
A	41.9	1.27
В	53.7	1.63
С	36.1	1.09
D	33.0	1.00
E	41.9	1.27
F	45.5	1.38
G	38.0	1.15
Н	37.0	1.12

Table 1. Performance Factors Required to Meet 70% MIB Removal

Note that changes in raw water quality (e.g., seasonal changes) or activated carbon quality could influence the results presented. Finally, the trends and performance depicted here are specific to the Peace River Facility only.



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APPENDIX A

QA/QC Report

A			MIB					Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	65.02	58.79	61.90	7.1	0	32.45	29.70	31.1	6.2	0
10	47.04	52.12	49.58	7.2	19.9	18.67	20.75	19.7	7.5	36.6
30	27.65	27.42	27.54	0.6	55.5	5.66	5.97	5.8	3.8	81.3
50	13.97	14.37	14.17	2.0	77.1	2.09	2.18	2.1	2.9	93.1
70	7.37	8.15	7.76	7.1	87.5	0.99	0.99	1.0	0.0	96.8
В			MIB		1			Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	65.02	58.79	61.90	7.1	0	32.45	29.70	31.1	6.2	0
10	56.46	54.58	55.52	2.4	10.3	20.99	22.28	21.6	4.2	30.4
30	30.95	34.77	32.86	8.2	46.9	7.51	7.03	7.3	4.7	76.6
50	20.26	20.45	20.36	0.7	67.1	2.92	3.26	3.1	7.6	90.1
70	13.20	12.01	12.60	6.7	79.6	2.07	2.12	2.1	1.7	93.2
С			MIB	I	1			Geosmin	I	
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	62.76	60.89	61.83	2.1	0	30.49	30.23	30.4	0.6	0
10	44.28	48.03	46.15	5.7	25.4	19.45	17.88	18.7	5.9	38.5
30	23.13	22.83	22.98	0.9	62.8	5.01	5.35	5.2	4.6	82.9
50	12.06	12.60	12.33	3.1	80.1	1.75	1.82	1.8	2.6	94.1
70	6.62	6.54	6.58	0.9	89.4	0.99	0.99	1.0	0.0	96.7
D			MIB					Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	62.76	60.89	61.83	2.1	0	30.49	30.23	30.4	0.6	0
10	48.00	50.14	49.07	3.1	20.6	16.01	16.69	16.4	2.9	46.1
30	20.53	21.64	21.08	3.7	65.9	3.09	3.39	3.2	6.4	89.3
50	11.57	10.77	11.17	5.1	81.9	1.20	1.18	1.2	1.0	96.1
70	6.48	5.89	6.19	6.8	90.0	0.99	0.99	1.0	0.0	96.7
E			MIB					Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	64.42	57.52	60.97	8.0	0	31.08	31.15	31.1	0.2	0
10	48.83	46.82	47.82	3.0	21.6	16.62	17.95	17.3	5.5	44.5
30	24.06	25.90	24.98	5.2	59.0	5.48	5.15	5.3	4.3	82.9
50	14.93	15.84	15.38	4.2	74.8	1.53	1.62	1.6	4.1	94.9
70	9.35	8.96	9.16	3.0	85.0	0.99	0.99	1.0	0.3	96.8



F			MIB	-	-			Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	64.42	57.52	60.97	8.0	0	31.08	31.15	31.1	0.2	0
10	52.20	53.73	52.96	2.0	13.1	15.52	15.72	15.6	0.9	49.8
30	29.22	32.39	30.80	7.3	49.5	4.30	3.80	4.1	8.8	87.0
50	16.25	14.84	15.55	6.4	74.5	2.00	1.92	2.0	2.7	93.7
70	8.90	8.58	8.74	2.5	85.7	0.99	0.99	1.0	0.0	96.8
G			MIB					Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	64.39	57.78	61.08	7.6	0	30.88	29.39	30.1	3.5	0
10	40.15	43.94	42.04	6.4	31.2	14.59	16.72	15.7	9.6	48.1
30	21.36	23.40	22.38	6.4	63.4	4.37	4.86	4.6	7.4	84.7
50	14.66	14.03	14.35	3.1	76.5	1.56	1.39	1.5	8.2	95.1
70	7.88	7.59	7.73	2.7	87.3	0.99	0.99	1.0	0.0	96.7
Н			MIB					Geosmin		
Concentration (mg/L)	Amount 1	Amount 2	Average (ng/L)	% RSD	MIB % Removal	Amount 1	Amount 2	Average (ng/L)	% RSD	Geosmin % Removal
0	64.39	57.78	61.08	7.6	0	30.88	29.39	30.1	3.5	0
10	44.97	43.86	44.42	1.8	27.3	11.84	11.19	11.5	4.0	61.8
30	22.25	23.01	22.63	2.4	63.0	2.21	2.44	2.3	6.8	92.3
50	13.51	12.81	13.16	3.7	78.5	1.15	1.29	1.2	8.1	96.0
70	5.96	6.10	6.03	1.6	90.1	0.99	0.99	1.0	0.0	96.7

References

Analyte	Method Reporting Limit	Target	Found	% Recovery	Control Limit
MIB (ng/L)	1.0 ng/L	5.00	5.11	102	80-120%
Geosmin (ng/L)	1.0 ng/L	5.00	4.87	97	80-120%

Analyte	Method Reporting Limit	Target	Found	% Recovery	Control Limit
MIB (ng/L)	1.0 ng/L	10.00	10.07	101	80-120%
Geosmin (ng/L)	1.0 ng/L	10.00	10.34	103	80-120%



Analyte	Method Reporting Limit	Target	Found	% Recovery	Control Limit
MIB (ng/L)	1.0 ng/L	25.00	24.60	98	80-120%
Geosmin (ng/L)	1.0 ng/L	25.00	24.85	99	80-120%

Analyte	Method Reporting Limit	Target	Found	% Recovery	Control Limit
MIB (ng/L)	1.0 ng/L	50.00	50.18	100	80-120%
Geosmin (ng/L)	1.0 ng/L	50.00	50.02	100	80-120%

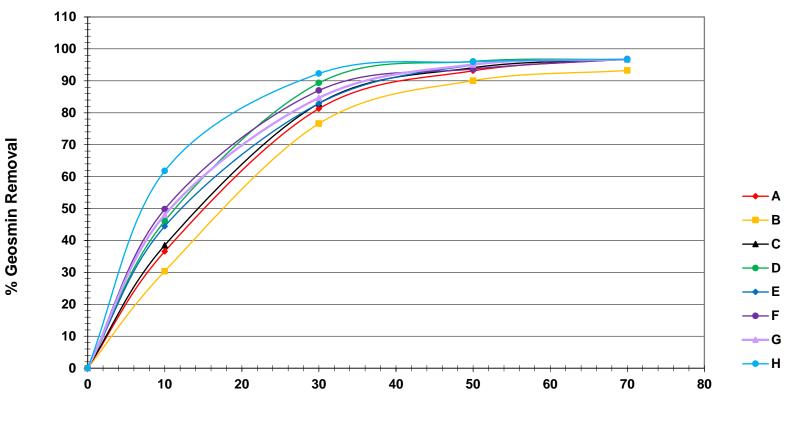
Method Blanks

Analyte	Method Detection Limit	Blank Concentration
MIB (ng/L)	1.0 ng/L	<1.0
Geosmin (ng/L)	1.0 ng/L	<1.0

<Below the reporting limit



APPENDIX B



PAC Dose (mg/L)

Figure 1. Peace River/Manasota Regional Water Supply Facility Geosmin Dose Removal Curve



APPENDIX B, continued

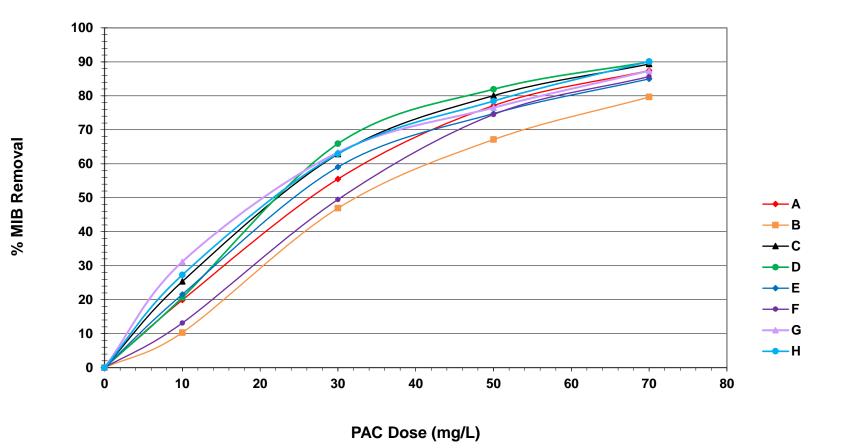


Figure 2. Peace River/Manasota Regional Water Supply Facility MIB Dose Removal Curve



PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 6

Solar Together Program, An FP&L Shared Solar Program

Recommended Action -

Motion to ratify Authority participation in the Florida Power & Light, Inc. 'Solar Together Program' effective with the April 2020 billing cycle.

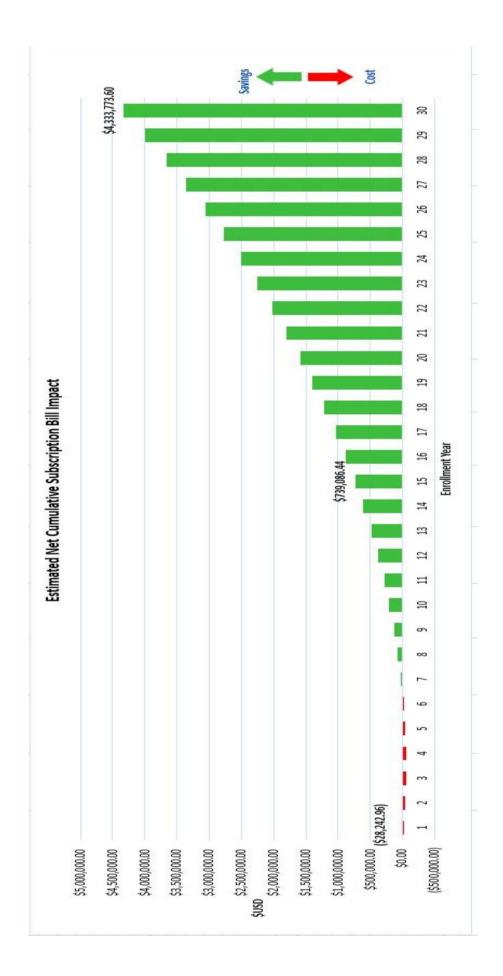
Florida Power & Light (FPL) projects they will add as much as 1,200 MW of solar capacity by the end of 2020. The 'Solar Together Program' is a program designed to allow existing Commercial/Industrial customers participation in large scale solar projects currently being planned and constructed by FPL. The Program is subscription based and offers customers the opportunity to purchase a solar subscription at a long-term monthly fixed cost. In exchange for the monthly fixed cost investment in FPL's Solar Together Program, participants receive a monthly bill credit that increases over time. The estimated simple payback period for the average subscriber is projected to be 5-7 years. The Authority pre-registered for the program in January 2019, which reserved our opportunity to enter the program while maintaining our option to leave the program without penalty. An overview of the program was presented to the Authority Board at the February 6, 2019 meeting at which time the Board requested to bring it back to the Board for consideration upon the Florida Public Service Commission (PSC) approval of the program.

Florida Power & Light 'Solar Together Program' received approval from the PSC on March 3, 2020 and scheduled for implementation with the April 2020 billing cycle. Participation in this program will reduce the Authority's use of carbon-based fuels, provide long-term electrical savings estimated at \$4.3M over 30 years, and support solar power generation in Florida. The Authority has the option to withdraw and unsubscribe from the program at any time after the first billing cycle in the program.

As a result of the COVID-19 pandemic and the cancellation of the Authority Board of Directors meeting scheduled on March 30, 2020 the Executive Director authorized the continued participation in the "Solar Together Program' and the continued participation is presented for the Board to ratify.

Budget Action: No action needed.

<u>Attachments:</u> Estimated 30 Year Bill Impact graphic



PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 7

Investment Banking Services Ranking

Recommended Action -	Motion to approve Professional Services Evaluation
	Committee recommendation and authorize the Executive
	Director to execute the Investment Banking Services
	Contract with Raymond James as Senior Underwriting
	Manager and retain PNC and UMB as Co-Managers.

Requests for proposals (RFP) were solicited from investment banking firms to serve as Senior Managing Underwriter and provide underwriting services in conjunction with the issuance of revenue bonds to fund improvements to the Authority's water utility system and other financing transactions. Ten (10) proposals were received of which seven (7) proposals were deemed responsive and evaluated by the Professional Services Evaluation Committee (PSEC) in accordance with the Authority Procurement Policy.

Staff recommends that the Board approve the professional services evaluation committee recommendation and authorize the Executive Director to execute the Investment Banking Services Contract with Raymond James (highest ranked firm) as Senior Underwriting Manager and retain PNC and UMB as Co-Managers.

Firm	Ranking
Raymond James	1
PNC	2
UMB	3

Budget Action: No action needed.

Attachments:

- Tab APSEC Scorecard
- Tab B RFP Materials
- Tab CSeven Responsive Proposals (electronic)

TAB A PSEC Scorecard

	Criteria					
	1	2	3	4	5	TOTAL
CONTRACTOR	(25 points)	(30 points)	(20 points)	(20 points)	(5 points)	(100 points)
Bank of America	20	10	20	20	5	75
Citigroup	25	15	20	20	5	35
FHN Financial	15	15	24	20	15	75
PNC Bank (2)	25	25	20	20	5	25
Raymond James	25	30	26	20	5	/50
RBC Capital	20	15	20	20	5	e Q
имв 🕑	25	30	15	20	5	95

Criteria:

- 1 Experience of Firm with Relevant Financings
- 2 Experience of Firm Key Personnel & Firm
- 3 Marketing & Distribution Capabilities, inc. local presence
- 4 Gross Spread; Ability & Willingness to Commit Capital
- 5 Office Proximity to Authority Service Area

Member Signatures: no 2020 Pat Lehman, Executive Director

2.2

Mike Coates, Deputy Director

2

2020

TBD, Manson Polves Donaldson Varn (Authority General Counsel)

Alex Bugallo, Hilltop Securities (Authority Financial Advisor)

TAB B RFP Materials

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY REQUEST FOR PROPOSALS for INVESTMENT BANKING SERVICES

The Peace River Manasota Regional Water Supply Authority (Authority) is requesting proposals from investment banking firms (Firms) to serve as Senior Managing Underwriter and provide underwriting services in conjunction with the issuance of revenue bonds to fund improvements to the Authority's water utility system and other financing transactions.

An information packet containing details of the Request for Proposals submittal requirements (Information Package) may be downloaded by visiting the Authority's website (www.regionalwater.org). The Authority may also use DemandStar, a third-party provider, to distribute proposals. Visit the DemandStar website at www.DemandStar.com for more information regarding this service. Participation in the DemandStar system is not a requirement for doing business with the Authority. If encountering any difficulties obtaining the Information Package, contact Rachel Kersten at RKersten@regionalwater.org, or by calling 941-316-1776. Questions regarding this Request for Proposals must be directed by email to Ann Lee at ALee@regionalwater.org no later than 5:00 P.M. Eastern Standard Time on January 31, 2020. All responses to questions and addenda, if applicable, will be posted on the Authority website.

Consultant selection will be in accordance with the Information Package and the Authority's Procurement Policy (adopted December 5, 2018 or latest revision). Firms desiring to provide these professional services to the Authority must submit eight (8) paper copies (one copy shall be unbound) and one (1) electronic PDF copies of their RFP in accordance with the requirements contained in the Information Package to the attention of Patrick J. Lehman, Executive Director, at the address below no later than 2:00 P.M. Eastern Standard Time on February 13, 2020:

Peace River Manasota Regional Water Supply Authority 9415 Town Center Parkway Lakewood Ranch, Florida 34202

Dated this 14th day of January, 2020

Patrick J. Lehman, Executive Director Peace River Manasota Regional Water Supply Authority

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

INFORMATION PACKAGE for REQUEST FOR PROPOSALS for INVESTMENT BANKING SERVICES

The Peace River Manasota Regional Water Supply Authority (Authority) is requesting proposals from investment banking firms (Firms) to serve as Senior Managing Underwriter and provide underwriting services in conjunction with the issuance of revenue bonds to fund improvements to the Authority's water utility system and other financing transactions.

AUTHORITY BACKGROUND

The Authority is an independent special district of the State of Florida, created and existing pursuant to Chapter 373, Florida Statutes, and Section 163.01, Florida Statutes. The Authority is comprised of Charlotte, DeSoto, Manatee, and Sarasota Counties. The Authority was created for the purpose of developing, storing, and supplying water for county and municipal purposes in such a manner as will give priority to reducing adverse environmental effects of excessive or improper withdrawals from concentrated areas. The Authority is required to acquire, design, secure permits, construct, operate, and maintain facilities in locations and at the times necessary to insure that an adequate water supply will be available to all citizens within the Authority's boundaries.

The Authority owns and operates the Peace River Facility, a fifty-one (51) million gallons per day (mgd) conventional surface water treatment facility located on Kings Highway in southwestern DeSoto County. The Peace River Facility was constructed in the late 1970's and has undergone expansion and rehabilitation projects several times over the years. The Peace River Facility includes a total of four (4) separate treatments plants on the same site, each of which can be operated independently of the others. Production at the Peace River Facility is coordinated to meet daily needs.

The Peace River Facility is supported by a one hundred twenty (120) mgd intake pump station on the Peace River, a 6.5 billion gallon off-stream raw water storage system, and twenty-one (21) aquifer storage and recovery wells. The Authority's regional distribution system also includes approximately seventy (70) miles of large-diameter drinking water transmission system pipelines and associated remote pumping stations and finished water storage tanks in several counties.

BOND RATING

The Authority has consistently maintained high quality bond ratings. The Authority currently maintains a credit rating of AA with Fitch, Aa3 with Moody's and AA- with Standard & Poor's. The Firm selected will be expected to work with the Authority and its financial advisor to develop strategies to maintain and, where possible, enhance these bond ratings.

LONG TERM DEBT

As of September 30, 2019, the Authority had a total of \$141,235,000.00 in long term debt outstanding. Additional information regarding the Authority's long term debt may be found in the Authority's Budget and Comprehensive Annual Financial Report are available online at www.regionalwater.org/business.

DEFINITIONS

For purposes of this Information Package, certain terms used are defined in Attachment 1.

GENERAL TERMS & CONDITIONS

1. All responses must comply in all respects with the requirements of this Information Package. Responses will be considered irregular and may, at the sole discretion of the Authority, be rejected if they show omission, alterations of form, additions not called for, such as conditions or limitations, or other irregularities of any kind.

2. The Authority assumes no responsibility for proposals received after the advertised deadline or at any office or location other than that specified herein, whether due to mail delays, courier mistakes, strikes, mishandling or any other reason.

3. The Authority reserves the right to reject any or all proposals, in whole or in part for any reason whatsoever, or to request clarification of information from any proposer.

4. The Authority reserves the right to waive and/or accept minor irregularities when, in the sole opinion of the Authority, such waiver or acceptance is deemed to be in the best interest of the Authority.

5. All proposals become the property of the Authority.

6. All proposals must include a signed Sworn Statement under Section 287.133(3)(a), Florida Statues, on Public Entity Crimes, a copy of which is included herein. Failure to include such a statement will result in the proposal being deemed non-responsive and rejected. A person or an 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 bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or 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 thirty-six (36) months from the date of being placed on the convicted vendors list.

7. The Authority will not reimburse Firms for any costs associated with the preparation and submittal of any proposal.

8. Information contained within proposals are a public record under Chapter 119, Florida Statutes, unless such information is identified as exempt or confidential in accordance with the State of Florida's Public Records Laws.

9. An award made pursuant to this Request for Proposals is subject to the provision of Chapter 112, Florida Statutes. Firms must disclose with their proposal the name of any officer, director, or agent who is also an employee of the Authority. Further, Firms must disclose the name of any Authority employee who owns, directly or indirectly, an interest of five percent (5%) or more in

the proposer's firm or any of its branches/subsidiaries.

10. There shall be no discrimination as to race, sex, color, creed, national origin, or any other legally protected class, in the operations conducted under this engagement.

11. Joint proposals will not be accepted.

12. The Authority reserves the right to utilize a competitive sale on a bond issue.

13. The selection of Underwriter's Counsel shall be at the discretion of the Senior Managing Underwriter; however, the Authority shall retain the right to approve or disapprove the selection of counsel. The Authority expects the firms being considered to be listed in the Bond Buyer's Municipal Marketplace Directory (Red Book).

14. Only those Firms that are authorized to do business in the State of Florida should respond to this Request for Proposals. Each Firm will be required to certify it is registered as a broker/dealer with appropriate State of Florida and Federal authorities.

15. A copy of the Authority's standard investment banking services contract is included in this Information Package. The contents of the Proposal of the successful firm will be incorporated into a written agreement in terms acceptable to the Authority at its absolute discretion. By submitting a proposal, Firms agree to all the terms and conditions of this Request for Proposals and those included in the Authority's standard investment banking services contract. If a Firm desires to propose a change to a term or condition of this Request for Proposals or the Authority's standard investment banking services contract, a Firm must submit its request by submitting a question as provided for below.

16. After issuance of this Request for Proposals, prospective Firms or their agents, representatives or persons acting at the request of such Firm are prohibited from contacting members of the Authority's Board of Directors, Executive Director, and any member of a selection or negotiation committee concerning this issue until after the final recommendation is presented to the Board of Directors for approval or when the solicitation has been canceled or terminated. Any questions concerning this Request for Proposals must be presented in writing via email to Ann Lee, Finance & Administration Manager, at ALee@regionalwater.org no later than 5:00 P.M. Eastern Standard Time on January 31, 2020. Firms are responsible to review the Authority's website for the Authority's responses to any questions timely submitted or addenda issued.

CO-MANAGING UNDERWRITER

The Authority plans to be involved in the allotment of bonds. In addition to contracting with a Firm to serve as Senior Managing Underwriter, the Authority anticipates that it may contract with other investment banking firms to serve as Co-Managing Underwriter(s), which will serve as a member of the investment banking team. Any Co-Manager selected will be selected from Firms who properly submitted proposals that were considered responsive in conjunction with this Request for Proposals. Any Co-Managing Underwriters selected by the Authority for the investment banking team will be responsible for assisting the Senior Managing Underwriter in the marketing and distribution of the bonds. The Authority's Executive Director reserves the right to dictate the level of involvement of any Co-Managing Underwriter selected and the right to designate the percentage of participation of the Senior Managing Underwriter and Co-Managing Underwriter(s) in terms of management fee (if any), joint and several liability and allocation/retention of bonds by maturity.

SCOPE OF SERVICES

The services listed below will be required of the Firm selected to serve as Senior Managing Underwriter in connection with the authorization, sale and delivery of Obligations. The required services include, but are not limited to, the following:

a) Assist the Authority in the overall management of existing and proposed Obligations as may be appropriate, and provide consistent, ongoing, value-added investment banking services, including solicited and unsolicited strategies of relevance to the Authority.

b) Assist the Authority in the maintenance of relationships with market participants including credit rating agencies, credit providers, and investors on an ongoing basis, and coordinate presentations with these parties on behalf of the Authority to the extent needed and as requested. Monitor any events that may have an impact on the Authority's credit rating.

c) Assist the Authority in developing and executing a plan of finance that is consistent with financial and policy goals as articulated by the Authority (Final Financing Plan). The Final Financing Plan will include, but not be limited to, the timing of the sale, the overall sales approach, the structure of the bonds, call provisions, and the use of credit enhancements that will result in the issuance of Obligations under terms and conditions most advantageous to the Authority.

d) Upon approval of the Final Financing Plan by the Authority, will work with the Authority's Financial Advisor, bond counsel, disclosure counsel and General Counsel in the preparation of the resolutions and all documents required for the authorization, validation, and issuance of the Obligations, including legal opinions and other closing documents.

e) Inform the Authority of current market conditions, forthcoming bond issues, economic data, and other general information that may influence interest rates so that the schedule for the sale of the Obligations can be set at a time that will be favorable.

f) Assist, when requested by the Authority, with applications and presentations relating to the proposed Obligations to the various rating agencies and/or bond insurers to secure the best possible credit ratings.

g) Provide a commitment to purchase the Obligations subject to the provisions of a bond purchase contract. Approval of the sale shall be subject to the recommendation of Authority staff and the Financial Advisor.

h) Present all pre and post pricing information in a timely manner to the Authority and to other participants of the transaction.

i) Assist in the coordination of activities and details necessary to successfully close and deliver funds to the Authority.

j) Provide detailed and specific information to the Authority as it relates to the orders and allotments on the specific financing, if requested.

k) Cooperate and coordinate with any Co-Managing Underwriter selected by the Authority to be a member of the Authority's investment banking team.

SCRUTINIZED COMPANIES

Pursuant to Section 287.135, Florida Statutes, a company that, at the time of bidding or submitting a proposal for a new contract or renewal of an existing contract, is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes, or has been engaged in business operations in Cuba or Syria, shall be ineligible for, and may not bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of \$1 million or more. Firm may not submit a bid if it is on the aforementioned lists. By submitting a proposal, Firm must certify that it is not on the aforementioned lists.

GENERAL SCHEDULE

A summary schedule for this Request for Proposals is presented below.

	Milestone	Expected Date of Completion
(1)	Advertise for the Request for Proposals	01/14/2020
(2)	Final Date for Questions	01/31/2020
(3)	Request for Proposals Submittals Due to the Authority	02/13/2020
(4)	PSEC ^(a) Meeting to consider Firm rankings	02/27/2020
(5)	Firm Selection by the Authority Board of Directors	04/01/2020

(a) PSEC = Professional Services Evaluation Committee. All PSEC meetings are publicly noticed and opened to the public.

The Authority reserves the right to delay scheduled dates if determined to be in the best interest of the Authority. Any changes, delays, or addenda related to this Request for Proposals will be posted on the Procurement page on the Authority's website and posted on DemandStar.

FIRM SELECTION PROCESS

Firm selection shall be in accordance with this Information Package and the Authority's Procurement Policy (adopted December 5, 2018 or latest revision). The Authority's Procurement Policy can be viewed in its entirety on the Authority's website at www.regionalwater.org. Following the opening of the properly submitted proposals and an evaluation that the proposals are responsive, the PSEC members will discuss and rank the responsive proposals at a publicly noticed meeting. Each representative will score each proposal using the criteria described in Proposal Evaluation Criteria of this Information Package. At this meeting, the PSEC will finalize the rankings of the proposals. Individual raw scores will be ranked with the top ranked Firm receiving a rank of one (1). In the event of a tie, the individual raw scores will be totaled, and the proposals will be ranked with the top ranked Firm receiving the highest cumulative raw score. The final rankings of the proposals and the PSEC's recommendation will then be

presented to the Authority's Board of Directors at a public meeting, who may request presentation, and will make the final selection. It is intended that the Authority's Board of Directors will select the Firm with the highest ranking.

PROPOSAL REQUIREMENTS

Each proposal must include the following:

- 1. Letter of transmittal including a brief history of the Firm, principal location, and presence in the State of Florida (maximum of two pages).
- 2. Table of Contents including a clear identification of the material by section and page number.
- 3. Summary of Firm's knowledge of and experience with entities in the State of Florida similar to the Authority and how this will benefit the Authority.
- 4. Statement giving strengths and attributes of the Firm and how these strengths and attributes will benefit the Authority.
- 5. Breakdown of Firm's capital position in terms of 1) total capital, 2) equity capital, and 3) excess net capital. Include a description and examples of Firms' willingness to commit capital.
- 6. List of all Florida issuers for which the Firm has served as Senior Managing Underwriter on negotiated tax exempt financings that closed after January 1, 2015 and include the following details with respect to each Florida issuer listed:
 - Issuer and Name of Issue.
 - Date of Sales.
 - Principal Amount.
 - Gross Spread and Components of the Gross Spread.
- 7. List of all Florida issuers for which the firm has served as Senior Managing Underwriter on all financings secured by water and/or sewer utility revenue that closed after January 1, 2015 and include the following details with respect to each Florida issuer listed that includes:
 - Issuer and Name of Issue.
 - Date of Sale.
 - Maturity Date.
 - Principal Amount.
 - Credit Enhancements.
 - Gross Spread and the Components of the Gross Spread.
- 8. Identify three (3) clients listed in Items Nos.6 or 7 above that the Authority can contact as references with respect to the Firm's work performance, with a preference for references from Item No. 7. Include name, title, address, and telephone number on the attached Reference form.
- 9. Summary of the Firm's marketing strategy and distribution capabilities of Florida taxexempt securities as applicable to the Authority's issuance of bonds. State whether the Firms has sales offices and number of sales representatives in the State of Florida and/or in the Charlotte, DeSoto, Manatee and Sarasota County areas.
- 10. Provide Firm's proposed Gross Spread, based on current market conditions with a breakdown of management fee, average takedown and itemized expenses including Underwriter's Counsel*, travel, and other necessary expenses. List takedown by maturity used in determining the average takedown. Use the following assumptions:
 - \$70,000,000 estimated proceeds required.

- Delivery Date of 10/1/2020.
- First Maturity 10/1/2021.
- Final Maturity 10/1/2050.
- 30 year term fixed rate tax-exempt bonds with level debt service.

* Underwriter's Counsel is expected to prepare the Preliminary and Final Official Statements.

- 11. Provide the names of at least two (2) law firms and the attorney that may be retained as Underwriter's Counsel should your firm be appointed as Senior Managing Underwriter. For each law firm, provide a not-to-exceed dollar per bond cost or a fixed dollar cost for counsel services. The Authority reserves the right to approve or disapprove the selection of counsel and expects the firms being considered and selected to be listed in the Red Book. The Authority's Bond Counsel is Nabors, Giblin & Nickerson PA.
- 12. Indicate how the Firm would propose the balance of the investment banking team be comprised. Be as specific as possible in identifying the types of firms that the Firm believes would best complement the Firm's marketing and distribution strengths. Include proposed liabilities and priority of orders and the rationale for the recommendations.
- 13. Provide the location of the underwriting desk that will price the bonds. Include a resume detailing experience of the Firm's principal underwriter at this location. Identify the names, titles, and locations of the individual(s) who must approve an underwriting commitment.
- 14. Identify key personnel:
 - Identify the individual who will lead this engagement. Include a detailed resume including office location, prior employment, and experience in water and sewer utility financings. State whether this individual has the authority to commit for the Firm.
 - Identify other individuals who would be assigned to this engagement. Include a resume of one (1) page or less and the function(s) they would perform.
- 15. Describe the nature and magnitude of any litigation or regulatory action filed or settled against the Firm in its role as investment banker or financial advisor in the last three (3) years and the resolution thereof.
- 16. Describe whether the Firm has any agreement with any unrelated individual or entity with respect to the sharing of any compensation, fees, or profit received from or in relation to the Firm acting as an underwriter for the Authority. Provide a copy of any contract relating to the arrangement, and describe in detail the nature of the arrangement and the manner in which compensation of fees would be shared (if applicable).
- 17. Describe any current or potential conflict of interest that may result if the Firm is selected as the Authority's Senior Managing Underwriter. Specify the party with which the conflict exists or might arise, the nature of the conflict, and whether the Firm would resign from the engagement or representation creating the conflict.
- 18. Indicate if the Firm currently represents or represented Charlotte, DeSoto, Manatee or Sarasota County in any way since 2005. Identify which county(ies) and describe the representation.
- 19. Required forms:
 - Key Personnel Form (below);
 - Signed Sworn Statement under Section 287.133(3)(a), Florida Statutes, on Public Entity Crimes (below); and
 - Reference Forms.

The proposal shall be limited to no more than thirty (30) one-sided pages for all requested information described herein with the following exceptions: required forms (listed in Item No. 19) above; front and back proposal covers; and section dividers are excluded from the total 30-page count. All pages shall be standardized 8 $\frac{1}{2}$ x 11 inches in size, margins not less than 1-inch, standard black text, and minimum 12-point font size.

Firms desiring to provide these professional services to the Authority must submit eight (8) paper copies (one (1) copy shall be unbound) and one (1) electronic PDF copies of their proposal in accordance with the requirements contained in the Information Package to:

Peace River Manasota Regional Water Supply Authority Patrick J. Lehman, Executive Director RFP: Investment Banking Services 9415 Town Center Parkway Lakewood Ranch, Florida 34202 (941) 316-1776

A Firm's proposal must be received no later than 2:00 P.M. Eastern Standard Time on February 13, 2020. It is the Firm's responsibility to assure that its proposal is delivered to the Authority prior to the above deadline. Late submittals will not be opened or considered. Proposal's that are incomplete, conditional, obscure, or do not conform to the requirements contained in this Request for Proposals may be deemed nonresponsive at the sole option of the Authority. The Authority reserves the right to reject all responses and not grant any award resulting from this Request for Proposals. If awarded, no contract will be formed between the Firm and the Authority until an agreement is executed by both parties.

Upon submittal of its proposal, Firm agrees to be bound by all terms and conditions of the Proposal. Neither the Authority nor its representatives will be liable for any expenses incurred in connection with preparation of a response to this Request for Proposals.

PROPOSAL EVALUATION CRITERIA

The following factors, with the weighting indicated, will be used to evaluate proposals:

Criteria	Weighting
1. Experience of Firm with Relevant Financings	25 points
2. Experience of Firm Key Personnel & Firm	30 points
3. Marketing & Distribution Capabilities, including local presence	20 points
4. Gross Spread; Ability & Willingness to Commit Capital	20 points
5. Office Proximity to Authority Service Area	5 points
TOTAL	100 points

KEY PERSONNEL for INVESTMENT BANKING SERVICES

The Firm's proposed primary contact and key personnel are to be indicated below. Each person must be identified with their job classification, area of expertise, and work location. If the primary contact or key personnel are not employees of the Firm, please indicate this within the Office Location column.

Person's <u>Name</u>	Job <u>Classification</u>	Area of <u>Expertise</u>	Office <u>Location</u>

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER. OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY by _____

(Print individual's name and title)

for ______(Print name of entity submitting sworn statement)

whose business address is

and (if applicable) its Federal Employer Identification Number (FEIN) is _____ (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:_____).

- I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a 2. violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid, proposal, reply, or contract for good or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
- 3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
- 4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

a) A predecessor or successor of a person convicted of a public entity crime; OR

b) An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.)

_____Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.)

I UNDERSTAND THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

			(Signature)
STATE OF			
COUNTY OF			
Sworn to and subscribed before me this	day of		_, 2020. Personally known
	roduced identification_		
(Type of Identification)			
		Notary Public	
		Name (Printed)	
My commission expires	·		
(Printed typed or star	mped Commissioned n	ame of Notary Publi	ic)

REFERENCES

Firm must provide three (3) references for issuances as outlined under Item 8, Proposal Requirements.

Firm Name:
Reference Entity:
Reference Contact Person:
Reference Address:
Reference Email Address:
Reference Phone No.:
Name of Issue:
Date of Sale:
Maturity Date:
Principal Amount:
Credit Enhancement Provided:
Gross Spread & Components of the Gross Spread:

Other Pertinent Issuance Information:

ATTACHMENT 1

DEFINITIONS

<u>Credit Enhancements</u>: The use of the credit of an entity other than the issuer or obligor to provide additional security in a bond or note financing. This term typically is used in the context of bond insurance, bank letters of credit and other facilities, state intercept guarantees and credit programs of federal or state governments or federal agencies, but also may refer more broadly to the use of any form of guaranty, secondary source of payment or similar additional credit-improving instruments.

<u>Components of Gross Spread</u>: The components that make up the Gross Spread and consist of the following items: expenses, management fee, takedown and risk/residual.

Expenses: The cost of operating the investment banking team for which the Senior Manager may be reimbursed.

<u>Management Fee</u>: The fixed percentage of the spread that is paid to the Senior Manager and/or Co-Managers for managing the investment banking team.

<u>*Takedown*</u>: Normally the largest component of the spread, similar to a commission, which represents the income derived from the sale of the securities.

<u>*Risk/Residual*</u>: The amount of profit or spread left in an investment banking team account after meeting all other expenses or deductions. A portion of the residual is paid to each underwriter within an investment banking team on a pro rata basis according to the number of bonds each municipal securities dealer has committed to sell without regard to the actual sales by each member.

<u>Gross Spread</u>: The difference between the price paid by the underwriter to the issuer and the price at which the securities are initially offered to the investing public, also termed "gross underwriting spread" or "production" and is how underwriters are compensated. The spread is usually expressed in dollars or points per bond.

<u>Official Statement:</u> A document prepared by or on behalf of the issuer of municipal securities in connection with a primary offering that discloses material information on the offering of such securities. Official statements typically include information regarding the purposes of the issue, how the securities will be repaid, and the financial and economic characteristics of the issuer, conduit borrower or other obligated person with respect to the offered securities. Investors and

market intermediaries may use this information to evaluate the credit quality of the securities and potential risks of the primary offering

<u>Preliminary Official Statement:</u> A version of the official statement prepared by or for an issuer of municipal securities for potential customers prior to the availability of the final official statement. Under the securities laws, offers for the sale of or acceptance of securities are not made on the basis of the preliminary official statement and a statement to that effect appears on the face of the document generally in red print.

<u>Underwriter's Counsel</u>: An attorney or law firm retained to represent the interests of an underwriter in connection with the purchase of a new issue of municipal securities. The duties of underwriter's counsel may include review of the issuer's bond resolution and documentation on behalf of the underwriter; review of the accuracy and adequacy of disclosure in the official statement; preparation of the agreement among underwriters, purchase contract and/or the official statement; assisting the underwriter in meeting the underwriter's due diligence obligation; and delivery of a 10b-5 opinion.

AGREEMENT FOR INVESTMENT BANKING SERVICES BETWEEN THE PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY AND _____

The Agreement is made this _____day of _____, 2020 ("Effective Date") between the PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY, an independent special district created pursuant to Section 373.1962, Florida Statutes, now found in Section 373.713, Florida Statutes, and Section 163.01, Florida Statutes, acting by and through its governing Board of Directors, hereinafter referred to as the "Authority", whose address is 9415 Town Center Parkway, Lakewood Ranch, Florida 34202, and ______, hereinafter referred to as "Firm", whose address is ______.

WHEREAS, the Authority provides certain governmental services and owns and operates a regional public water supply and delivery system, develops new drinking water supplies, transmission pipelines, and water treatment and storage facilities, and must comply with various state and federal regulations; and

WHEREAS, the Authority must periodically implement projects to maintain, assess, inspect, evaluate, repair, and upgrade its various existing facilities, permits, systems and data, as well as investigate, analyze, or assess new projects, and construct buildings and related systems necessary to support its operations; and

WHEREAS, these projects may be funded from the Southwest Florida Water Management District, U.S. Environmental Protection Agency, Authority funds, and revenue bonds; and

WHEREAS, the Authority anticipates having capital needs that the Authority elects to fund from revenue bonds during the term of this Agreement; and

WHEREAS, the Authority may elect to refinance one or more series of its existing bonds or obligations; and

1

WHEREAS, the Authority wishes to retain a Senior Managing Underwriter to assist the Authority with its financial needs for the term of this Agreement; and

WHEREAS, the Authority desires the benefits of consistency of service in its bond underwritings and capital financial planning available through retaining a Senior Managing Underwriter for the term of this Agreement; and

WHEREAS, the Firm submitted a response to the Request for Proposals for Investment Banking Services to the Authority dated February 13, 2020; and

WHEREAS, the Firm agrees to provide services contemplated by this Agreement for the term of this Agreement consistent with its response to the Request for Proposals for Investment Banking Services;

WHEREAS, this Agreement is not designed to preclude the Authority from entering into borrowings that may be more cost effective than public offerings, such as bank loans, lines of credit, and competitive bond issues.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto agree as follows:

SECTION 1. RECITATIONS

The recitations set forth above are incorporated herein.

SECTION 2. SCOPE OF SERVICES

The Authority hereby agrees to retain the Firm as its Senior Managing Underwriter for bond issues. In that capacity, the Firm shall provide underwriting services including the following:

a) Assist the Authority in the overall management of existing and proposed Obligations as may be appropriate, and provide consistent, ongoing, value-added investment banking services, including solicited and unsolicited strategies of relevance to the Authority.

b) Assist the Authority in the maintenance of relationships with market participants including

credit rating agencies, credit providers, and investors on an ongoing basis, and coordinate presentations with these parties on behalf of the Authority to the extent needed and as requested. Monitor any events that may have an impact on the Authority's credit rating.

c) Assist the Authority in developing and executing a plan of finance that is consistent with financial and policy goals as articulated by the Authority (Final Financing Plan). The Final Financing Plan will include, but not be limited to, the timing of the sale, the overall sales approach, the structure of the bonds, call provisions, and the use of credit enhancements that will result in the issuance of Obligations under terms and conditions most advantageous to the Authority.

d) Upon approval of the Final Financing Plan by the Authority, will work with the Authority's Financial Advisor, bond counsel, disclosure counsel and General Counsel in the preparation of the resolutions and all documents required for the authorization, validation, and issuance of the Obligations, including legal opinions and other closing documents.

e) Inform the Authority of current market conditions, forthcoming bond issues, economic data, and other general information that may influence interest rates so that the schedule for the sale of the Obligations can be set at a time that will be favorable.

f) Assist, when requested by the Authority, with applications and presentations relating to the proposed Obligations to the various rating agencies and/or bond insurers to secure the best possible credit ratings.

g) Provide a commitment to purchase the Obligations subject to the provisions of a bond purchase contract. Approval of the sale shall be subject to the recommendation of Authority staff and the Financial Advisor.

h) Present all pre and post pricing information in a timely manner to the Authority and to other participants of the transaction. Investment Banking Services Contract i) Assist in the coordination of activities and details necessary to successfully close and deliver funds to the Authority.

j) Provide detailed and specific information to the Authority as it relates to the orders and allotments on the specific financing, if requested.

k) Cooperate and coordinate with any Co-Managing Underwriter selected by the Authority to be a member of the Authority's investment banking team.

SECTION 3. ADJUSTMENTS TO THE UNDERWRITING INVESTMENT BANKING TEAM

The Authority, at its sole discretion, may include other co-managing underwriters to serve on the underwriting team as co-managers on issues at the Authority's discretion. The Firm shall cooperate with any co-managing underwriters selected by the Authority.

SECTION 4. BOND PURCHASE CONTRACT

This Agreement is not a guarantee by the Firm to underwrite and each individual underwriting shall by subject to the execution by the Authority and the Firm of a bond purchase contract in connection with such underwriting (Bond Purchase Contract). For any executed Bond Purchase Contract, the underwriting group shall submit a cashier's check as a good faith deposit in an amount not less than one percent (1%) of the par amount of the bonds. Such good faith check will be applied as liquidated damages upon failure of the underwriter's group in meeting the provisions of a Bond Purchase Contract. The check will be held and returned at closing. No interest will be paid.

SECTION 5. COMPENSATION

The Firm shall receive fees for its services at the completion of financing on terms provided within the applicable Bond Purchase Contract. Expenses, which may be incurred by the Firm for travel or hotels, must be pre-approved by the Authority's Executive Director and, if pre-approved, will be reimbursed in accordance with Exhibit "A", Authority Resolution 2018-01 Resolution Establishing Per Diem and Travel Expenses.

SECTION 6. TERM OF AGREEMENT

This Agreement shall be for a term of five (5) years, unless earlier terminated as provided herein. The Agreement may be extended for five (5) year terms upon mutual written agreement between the Authority and the Firm. This Agreement may be terminated with or without cause and at the convenience of either party upon delivery to the other party of at least thirty (30) days written notice of termination.

SECTION 7. AGREEMENT DOCUMENTS

The following documents are attached or incorporated herein by reference and made a part of this Agreement:

A. Firm's February 13, 2020 response to the Request for Proposals,

- B. Authority Resolution 2018-01 *Resolution Establishing Per Diem and Travel Expenses*, (or latest revision) attached hereto as Exhibit "A", and
- C. Any written amendments, modifications, or addenda to the Agreement.

In the event of a conflict of contract terminology, priority shall first be given to the language in the body of this Agreement, then to Exhibit "A", as they may be amended.

SECTION 8. COMPLIANCE WITH LAWS

The Firm shall comply with all the applicable requirements of Federal, State of Florida, and applicable local laws, codes and ordinances, as may be amended from time to time. Firm shall comply with the provisions of Chapter 119, Florida Statutes (Public Records Law). In addition to this Agreement's requirements and as required by Section 119.0701(2), Florida Statutes, the Firm shall (1) keep and maintain public records that ordinarily and necessarily would be required by

the Authority in order to perform the service; (2) provide the public with access to public records on the same terms and conditions that the Authority would provide the records and at a cost that does not exceed the cost 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; and (4) meet all requirements for retaining public records and transfer, at no cost to the Authority, all public records in possession of the Firm upon termination of this Agreement and destroy any duplicate public records that are exempt

or confidential and exempt from public records requirements. All records stored electronically must be provided to the Authority in a format that is compatible with the information technology systems of the Authority. Firm shall notify the Authority within forty-eight (48) hours of receipt of a public records request under Chapter 119, Florida Statutes.

IF THE FIRM HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE FIRM'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (941)316-1776; ALEE@REGIONALWATER.ORG; OR 9415 TOWN CENTER PARKWAY, LAKEWOOD RANCH, FLORIDA 34202.

SECTION 9. INDEMNIFICATION OF THE AUTHORITY

Firm agrees to indemnify and hold harmless the Authority, and its directors, officers and employees from liabilities, damages, losses, and costs, either at law or in equity, including but not limited to, reasonable attorney fees and costs and attorney fees and costs on appeal, as a result of any negligent or reckless act or omission or any intentional wrongful conduct of Firm and other persons employed or utilized by the Firm in performance of the Agreement. The execution of the Agreement by Firm shall obligate the Firm to comply with the foregoing indemnification provision. This indemnification shall survive the termination of this Agreement and shall be binding on the successor or assignee of the Firm or service provided.

SECTION 10. PUBLIC ENTITY CRIMES AFFIDAVIT

Pursuant to Subsections 287.133(2) and (3), Florida Statutes, 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, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or 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 thirty-six (36) months following the date of being placed on the convicted vendor list. By signing this Agreement, Firm warrants that it is not currently on a suspended vendor list and that it has not been placed on a convicted vendor list in the past thirty-six (36) months. Firm further agrees to notify the Authority if placement on either of these lists occurs.

SECTION 11. SUCCESSORS AND ASSIGNS

Except as otherwise provided in this Agreement, Firm may not assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of the Authority.

SECTION 12. NO THIRD PARTY BENEFICIARY

Nothing in this Agreement shall be construed to benefit any person or entity not a party to this Agreement.

SECTION 13. DISPUTE RESOLUTION

In the event any dispute or disagreement arises during the term of this Agreement, the Firm shall

fully perform the Scope of Services in accordance with the Authority's written instructions. The Firm is under a duty to seek clarification and resolution of any issue, discrepancy, or dispute by submitting a formal request for proposed dispute resolution to the Authority's Executive Director no later than ten (10) days after the precipitating event. The parties will use their best efforts to resolve amicably any dispute, including use of alternative dispute resolution options. No services shall be delayed or postponed pending resolution of any disputes or disagreements.

SECTION 14. CONTROLLING LAW/ATTORNEY FEE

- A. The Agreement is to be governed by the laws of the State of Florida. The sole and exclusive venue for any litigation resulting out of the Agreement shall be in Manatee County, Florida, and if in federal court, shall be exclusively in the Middle District of Florida, Tampa Division.
- B. Should either party employ an attorney or attorneys to enforce any of the provisions of this Agreement, or to protect its interest in any matter arising under this Agreement, or to recover damages for the breach of this Agreement, the party prevailing is entitled to receive from the other party all reasonable costs, charges and expenses, including attorneys' fees, expert witness fees, fees and costs on appeal, and the cost of paraprofessionals working under the supervision of an attorney, expended or incurred in connection therewith, whether resolved by out-of-court settlement, arbitration, pre-trial settlement, trial or appellate proceedings, to the extent permitted under Section 768.28, Florida Statutes. This paragraph does not constitute a waiver of the Authority's sovereign immunity or extend the Authority's liability beyond the limits established in Section 768.28, Florida Statutes.

SECTION 15. SCRUTINIZED COMPANIES

Pursuant to Section 287.135, Florida Statutes, a company that, at the time of bidding or submitting a proposal for a new contract or renewal of an existing contract, is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes, or has been engaged in business operations in Cuba or Syria, shall be ineligible for, and may not bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of \$1 million or more. By signing this Agreement, Firm certifies that it is not currently on either of the aforementioned lists and agrees to notify the Authority if placement on either list occurs. If Firm submits a false certification, the Authority may terminate this Agreement and bring a civil action against the Firm, which may result in a penalty equal to the greater of \$2 million or twice the fee for completion of the Scope of Services resulting from this Agreement and all reasonable attorney's fees and costs. The Authority may also terminate the Agreement if the Firm is deemed to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

SECTION 16. NOTICES

Any notices or other writings permitted or required to be delivered under the provisions of the Agreement must be in writing and shall be delivered by sending the notice by personal delivery, U.S. regular mail, U.S. express mail or by U.S. certified mail, return receipt requested, in any event with sufficient postage affixed, and addressed as follows:

If to the Authority: Peace River Manasota Regional Water Supply Authority 9415 Town Center Parkway Lakewood Ranch, Florida 34202 Attention: Patrick J. Lehman, Executive Director If to the Firm:

Either party may change said address by notice in writing to the other party in the manner herein provided.

SECTION 17. EXTENT OF AGREEMENT

The Agreement represents the entire and integrated agreement between the Authority and Firm and supersedes all prior negotiations, representations or agreement, either written or oral for services under a blanket agreement of this nature. This Agreement in not connected with nor affects separate agreement(s) arrived at through formal solicitation for professional services as may be awarded by the Authority Board of Directors. This Agreement may not be amended, changed, modified or otherwise altered in any way, at any time, after execution hereof, except by written approval of the Authority and the Firm.

IN WITNESS WHEREOF, the parties hereto have executed the Agreement as of the day and year written above.

ATTEST:	PEACE RIVER MANASOT regional water supply author	
BY:		
	Patrick J. Lehman, P.E. Executive Director	Date
WITNESS:		
PREPARED BY:	Firm (name & title)	Date
Douglas Manson General Counsel for	_	
Peace River Manasota		

Investment Banking Services Contract

Regional Water Supply Authority

EXHIBIT A

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Resolution 2018-01

RESOLUTION ESTABLISHING PER DIEM AND TRAVEL EXPENSES

WHEREAS, the Peace River Manasota Regional Water Supply Authority (Authority), was created pursuant to Section 373.1962, Florida Statutes, now found in Section 373.713, Florida Statutes, and Section 163.01, Florida Statutes; and

WHEREAS, Section 112.061, Florida Statutes, establishes per diem and travel expenses of public officers, employees, and authorized persons; and

WHEREAS, the Authority meets the definition of a "public agency" under Section 112.061, Florida Statutes; and

WHEREAS, Section 112.061(14)(a)4., Florida Statutes, allows special districts to establish rates by the enactment of a resolution that may vary from the per diem rate or mileage rate provided in the statute; and

WHEREAS, the Authority approved Resolution 2005-09 establishing per diem and travel expenses on November 2, 2005; and

WHEREAS, the Authority finds that the meal allowance and mileage reimbursable rates established in 2005 are now inadequate for the purpose for which they were intended and should, therefore, be revised; and

WHEREAS, the meal allowance rates for federal employees, as annually published by the U.S. Government Services Administration (GSA), and the Internal Revenue Service (IRS) mileage reimbursement rate for use of a privately-owned vehicle are hereby deemed reasonable and adequate as such rates are current and take into account regional cost differences.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY, THAT:

Section 1. The above recitals are true and correct, and are fully incorporated herein.

Section 2. Resolution 2005-09 is repealed and rescinded.

Section 3. The meal allowance rates shall be the rates established by the GSA based on the location of the work activity, as updated annually on October 1.

Section 4. The mileage reimbursement rate shall be the "standard mileage rate for business use of a vehicle" established by the IRS, as updated annually on January 1, or as otherwise adjusted from time to time by the IRS. Section 5. The revised meal allowance and mileage reimbursement rates shall immediately take effect and shall adjust in accordance with this Resolution without further action of the Board of Directors.

Section 6. All other paragraphs of Section 112.061, Florida Statutes, shall remain in effect regarding per diem and travel expenses of public officers, employees, and authorized persons of the Authority.

Duly passed on this Second day of February 2018 by the Board of Directors of the Peace River Manasota Regional Water Supply Authority in Arcadia, Florida.

Attest:

an Patrick J. Lehman Executive Director

Approved as to Form:

O

Douglas Manson General Counsel for Peace River Manasota Regional Water Supply Authority Peace River Manasota Regional Water Supply Authority

Commissioner

Chairman

BOARD APPROVED

FEB - 2 2018

Peace River Manasota Regional Water Supply Authority

Investment Banking Services Contract

TAB C Seven Responsive Proposals

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 8

Set a Public Hearing for FY 2021 Budget for August 5, 2020

Recommended Action -

Motion to Set a Public Hearing for FY 2021 Budget for August 5, 2020 at 9:30 a.m., Charlotte County Administration Center, Commission Chambers, Room 119, 18500 Murdock Circle, Port Charlotte, Florida.

It is the intent of the Board to approve the Tentative Budget for FY 2021 and Resolution 2020-03 'Resolution Setting Forth Preliminary Schedules of Rates, Fees and Charges for FY 2021' at the Board meeting on May 27, 2020. This action sets a public hearing for the FY 2021 Budget to be scheduled for the regularly scheduled meeting on August 5, 2020 at 9:30 a.m., Charlotte County Administration Center, Commission Chambers, Room 119, 18500 Murdock Circle, Port Charlotte, Florida.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 9

Mid-Year Financial Status and Semi-Annual Investment Reports

Recommended Action -

Motion to receive and file 'Mid-Year Financial Status Report for FY 2020'.

Motion to receive and file 'Semi-Annual Investment Report' [March 31, 2020].

a. Receive and File Mid-Year Financial Status Report for FY 2020

Mid-Year Financial Status Report for FY 2020 is provided for the Board to receive and file.

b. Receive and File 'Semi-Annual Investment Report' [March 31, 2020]

'Semi-Annual Investment Report' [March 31, 2020] is provided for the Board to receive and file.

Attachments:

Tab A Mid-Year Financial Status Report for FY 2020

Tab BSemi-Annual Investment Report [March 31, 2020]

TAB A Mid-Year Financial Status Report for FY 2020

MEMORANDUM

SUBJ:	Mid-Year Financial Report for Fiscal Year 2020
FROM:	Ann Lee Finance & Administration Manager
THRU:	Patrick J. Lehman Executive Director
то:	Board of Directors Peace River Manasota Regional Water Supply Authority
May 27, 2	2020

As of March 31, 2020, the Authority's total revenues were \$25.4 million, which is 41% of the \$61.86 million allocated by the approved budget for FY20. Water Sale revenues were \$15.98 million, which is 48% of the \$33 million budgeted and represents a slight increase over the water sales from prior year through March 31st. The Authority earned \$274k in interest earnings, which is a decrease of \$72k from the previous year for the same time period. This decrease is due to the basis point drops in the Fed interest rate as well as the continued fear and uncertainty in the market due to COVID19.

As of March 31, 2020, the Authority's total expenditures were \$23.7 million, which is 38% of the \$61.86 million allocated by the approved Budget for FY20. The Authority's facility expenditures were \$23.45, which is 38% of the allocated budget of \$61.4 million and the administration expenditures were \$272k, which is 59% of the allocated budget of \$458k. CIP project expenditures totaled \$6.8 million of the \$19.56 million budgeted and R&R project expenditures totaled \$6.8 million budgeted.

If you have any questions, I am at your disposal.

 TAB B

 Semi-Annual Investment Report [March 31, 2020]

MEMORANDUM

May 27, 2020

- TO: The Board of Directors Peace River Manasota Regional Water Supply Authority
- THRU: Patrick J. Lehman Executive Director
- FROM: Ann Lee Finance & Administration Manager

SUBJ: Semi-Annual Investment Report for March 31, 2020

In accordance with the Authority's investment policy the following is a summary of the Peace River Manasota Regional Water Supply Authority's investments as of March 31, 2020.

As of September 30, 2019, the Authority's portfolio totaled \$35,001,294 compared to \$26,876,117 on September 30, 2019, which is \$8,125,177 more than the last reporting period and is primarily due to the capital fund contribution by Sarasota Co for the Phase 3B pipeline. This amount is comprised of restricted construction and reserve funds totaling \$28.45 million and unrestricted funds of totaling \$8.5 million. Of the Authority's total portfolio, twenty-three (23%) percent of the portfolio is in money market and interest bearing checking accounts and seventy-seven (77%) percent of total investments are held at the Florida Prime (SBA).

For the first half of FY 2020, the Authority earned \$274,299 in interest from the SBA accounts and bank accounts, which represents a decrease from the prior years' interest earnings for the same reporting period by \$71,798. As of March 31, 2020, the Authority was earning interest at a rate of 1.36% from the SBA and .18% from our bank accounts, which represents decreases in the interest rate earned by the Authority of 95 and 57 basis points, respectively. The Authority expects that due to the continued market uncertainty and fear surrounding the COVID19 pandemic, interest rates will continue to decline slightly through the summer.

According to the Authority's investment policy, the portfolio must be designed with the goal of annually exceeding the yield rates on the 90 day Treasury Bill. As of March 31, 2020, the 90 day Treasury Bill had a yield rate of .11% and the Authority's portfolio is exceeding this benchmark.

The Authority's investment policy has limitations on investments beyond 24 months allowing liquidity for current expansion, new water resource development, and capital improvement projects.

• Florida Prime maintains an AAAm rating from Standard and Poor's and the fund is entirely liquid.

If you have any questions, I am at your disposal.



	GENERAL FUND [OPERATIONS]	RENEWAL & REPLACEMENT FUND	RATE STABILIZATION	SINKING FUND	UTILITY RESERVE FUND	CONSTRUCTION	SYSTEMWIDE BENEFIT CONSTRUCTION	TOTAL
ACCOUNTS								
PNC - Checking	\$4,654,808					\$666,287		\$5,321,095
SBA Account Fund	\$3,894,596	\$3,106,304	\$2,100,814	\$3,170	\$10,878,251	\$11,226,702	\$470,361	\$31,680,199
FUND BALANCE	\$8,549,404	\$3,106,304	\$2,100,814	\$3,170	\$10,878,251	\$11,892,989	\$470,361	\$37,001,294
Orange Hammock Easement (BOD Approved 4/4/18)	(\$2,000,000)							(\$2,000,000)
ADJUSTED FUND BALANCE	\$6,549,404	\$3,106,304	\$2,100,814	\$3,170	\$10,878,251	\$11,892,989	\$470,361	\$35,001,294

Budget Policies General Fund:

Policy to fund an operating reserve within the General Funding an amount which shall be equal to average monthly O&M costs. [approximately \$3.2 M]

R&R Reserve Fund: Policy to maintain a minimum balance in the R&R Reserve Fund of \$2 M.

 Rate Stabilization Account:
 Goal to maintain balance at the end of each fiscal year of \$1 M.

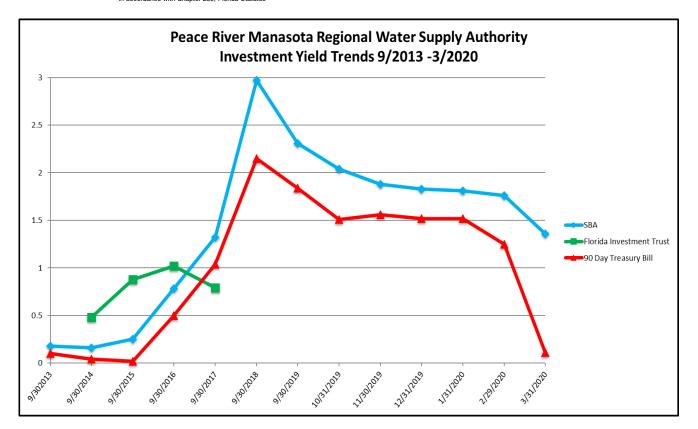
 Utility Reserve Fund:
 Policy to maintain an uncommitted balance of 180 days of O&M expenditures in the Authority's annual budget.

Date	Account No	Fund	Book Value	Yield	Maturity Date
tate Board of Adr	ninistration Funds				
3/31/2020	251261	SBA-General Opns/Maint Fund	\$ 3,894,595.85	1.36%	Liquid
3/31/2020	251262	SBA-R & R Reserve****	\$ 3,106,304.27	1.36%	Liquid
3/31/2020	251263	SBA-Utility Reserve Fund****	\$ 10,878,251.29	1.36%	Liquid
3/31/2020	251265	SBA-Construction Funds****	\$ 11,226,702.26	1.36%	Liquid
3/31/2020	251266	SBA-Rate Stbl'z Fund****	\$ 2,100,813.60	1.36%	Liquid
3/31/2020	251268	SBA-Debt Svc Sinking Fund****	\$ 3,170.28	1.36%	Liquid
3/31/2020	251269	SBA-Systemwide Benefit Construction Funds****	\$ 470,361.10	1.36%	Liquid
		Sub-Total Fund A*	\$ 31,680,198.65		
Checking/Certifica	te of Deposit/NOW A	ccounts***	 		
NC		Checking-General Opns***	\$ 4,654,808.11		Liquid
NC		Checking-Construction***	\$ 666,286.97		Liquid
			\$ 5,321,095.08		
otal Restricted Fu			 28.451.889.77		

Total Investments

\$ 37,001,293.73

*Florida Prime (SBA) Fund A is rated AAAm by Standard and Poor's ***All checking accounts and certificate of deposits are deposited in QPD's in accordance with Chapter 280, Florida Statutes



PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 10

Extension of Agreement for Financial Advisory Services with FirstSouthwest Company, a Division of Hilltop Securities, Inc.

Recommended Action -

Motion to approve extension of Agreement for Financial Advisory Services with FirstSouthwest, a Division of Hilltop Securities, Inc. through July 31, 2023.

The Authority's current Agreement for Financial Advisory Services with FirstSouthwest Company will expire on July 31, 2020. The Agreement includes provision to extend contract time for additional periods upon mutual consent of the parties. Staff recommends a three (3) year extension of the Agreement through July 31, 2023 with all other terms and conditions of the agreement to remain unchanged.

Budget Action: None action needed.

Attachments:

- Tab A Letter of Extension with FirstSouthwest Company
- Tab BAgreement for Financial Advisory Services with FirstSouthwest Company

TAB A Letter of Extension with FirstSouthwest Company

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Hon. Ken Doherty Charlotte County Hon. Elton A. Langford DeSoto County Hon. Priscilla Trace Manatee County Hon. Alan Maio Sarasota County

Patrick J. Lehman, P.E., Executive Director

May 27, 2020

Alex Bugallo, Managing Director First Southwest, a Division of Hilltop Securities Inc. 450 South Orange Avenue, Suite 460 Orlando, Florida 32801

Re: Agreement for Financial Advisory Services (February 6, 2008) Three-Year Extension of Agreement thru July 31, 2023

Mr. Bugallo:

The above referenced Agreement allows for a time extension of the Agreement upon mutual consent of the Authority and First Southwest, a Division of Hilltop Securities Inc. The Authority Board of Directors approved a one year extension of the Agreement through July 31, 2023. All other terms and conditions of the Agreement remain unchanged. Please sign and return a copy of this letter to be attached and be a part of the Agreement.

Please feel free to contact me if you require any additional information.

Best Regards,

FIRST SOUTHWEST, A DIVISION OF HILLTOP SECURITIES INC.

Patrick J. Lehman, P.E. Executive Director

Alex Bugallo Managing Director
 TAB B

 Agreement for Financial Advisory Services with FirstSouthwest Company

AGREEMENT FOR FINANCIAL ADVISORY SERVICES

THIS AGREEMENT is made this 6th day of FEBRUARY 2008 between PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY, an independent special district created pursuant to Section 373.1962, Florida Statutes, 6311 Atrium Drive, Suite 100, Bradenton, Florida 34202, hereinafter referred to as the ("Authority"), and FIRST Delguare B.W. SOUTHWEST COMPANY, a Florida Corporation, 20 North Orange Avenue, Suite 1209, Orlando, Florida 32801, hereinafter referred to as the ("Financial Advisor").

WHEREAS, the Authority provides certain governmental services and owns and operates a regional public water supply system; and

WHEREAS, the Authority desires to engage the Financial Advisor to provide the services of a qualified financial advisor in the implementation of the Authority's capital improvement programs and in the conduct of business transactions with financial institutions; and

WHEREAS, Financial Advisor desires to render financial advisory services as described in the Scope of Services, and has the experience, staff and resources to perform those services.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto agree as follows:

<u>SECTION 1</u>. EMPLOYMENT OF FINANCIAL ADVISOR.

The Authority hereby agrees to engage Financial Advisor, and Financial Advisor hereby agrees to perform the services set forth in the SCOPE OF SERVICES.

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<u>SECTION 2</u>. DEFINITIONS.

The following terms as used in the Agreement shall have the following meanings:

- A. "Agreement" This written document as it may be amended from time to time.
- B. "Scope of Services" Those tasks and duties of Financial Advisor pursuant to this Agreement, which are more particularly described in Exhibit "A".

SECTION 3. SCOPE OF SERVICES.

Financial Advisor shall provide financial advisory services as set forth in Exhibit "A" in an expeditious manner. The key personnel assigned by First Southwest Company to provide services to the Authority shall be GARY E. AKERS, Senior Vice President. Such key personnel shall not be assigned to or removed from providing services to the Authority without consent of the Authority.

SECTION 4. THE AUTHORITY'S RESPONSIBILITY.

The Authority's responsibilities are as follows:

- A. To designate the Executive Director to act on the Authority's behalf with respect to the Scope of Services. The Executive Director shall have complete authority to transmit instructions, receive information, approve invoices and authorize payments thereon, interpret and define Authority's policies and decisions with respect to materials, elements, sub-consultants, key personnel and systems pertinent to the Financial Advisor's services.
- B. To provide, within a reasonable time from request of the Financial Advisor, information in the Authority's possession or under the Authority's control that are necessary, or may be helpful, for the execution of the duties of the Financial Advisor in the Scope of

Services; and to provide full information regarding requirements of the Scope of Services, including objectives, budget constraints, criteria and other requirements that exist at the time of signing of this Agreement or which may develop during the execution of the Agreement.

- C. To give prompt written notice to the Financial Advisor if the Authority observes or otherwise becomes aware of any fault in the Scope of Service or non-conformance with the Agreement Documents.
- D. To furnish required information and services and render approvals and decisions as expeditiously as necessary for the orderly progress of the Financial Advisor's services. <u>SECTION 5.</u> THE FINANCIAL ADVISOR'S RESPONSIBILITY.

In addition to the Scope of Services, the Financial Advisor shall perform the following:

- A. The Financial Advisor shall secure at its own expense, all personnel, facilities, and equipment required to perform the professional services necessary to complete the Scope of Services.
- B. The Financial Advisor shall maintain an adequate and competent staff licensed and operating within the State of Florida. Gary Akers shall have the authority to transmit instructions, receive information, and interpret and deliver the Financial Advisor's policies, opinions and decisions related to the Scope of Services.
- C. The Financial Advisor shall secure all licenses or permits required by law for the performance of the Scope of Services and shall be in compliance with all federal, state and local law, statutes, rules, regulations, ordinances, orders and decisions in effect at the time of the execution of the Agreement and during the time of performance of the Scope

of Services.

- D. The Financial Advisor shall at all times keep the Authority advised as to the progress on the Scope of Services. The Authority and/or its authorized representative shall have the right to visit the office of the Financial Advisor at any reasonable time for purposes of inspection. The documents obtained or generated under the Agreement shall be maintained by the Financial Advisor and made available to the Authority upon request by the Authority at all times during the term of the Agreement and for five (5) years thereafter. In addition to the documents and reports, the Financial Advisor shall deliver to the Authority, at cost, copies of such documents or reports the Authority may request from time to time.
- E. The Financial Advisor shall cooperate with other consultants retained by the Authority as needed.
- F. The Authority shall have the right during the three (3) year period following the expiration or termination of the Agreement to audit the Financial Advisor with regard to any financial matters in connection with services of the Financial Advisor under this Agreement. The requested audit shall be performed by a certified public accountant selected and paid for by the Authority. The Financial Advisor shall make all documents and data available to the Authority. The Financial Advisor may have the audit reviewed by the Financial Advisor's auditor at its own expense.

<u>SECTION 6</u>. TIME OF PERFORMANCE.

The Financial Advisor shall commence work immediately after the execution of this Agreement. The term of this Agreement shall be for a period of three (3) years and shall be extended, in writing, for additional periods upon mutual agreement between the Authority and the Financial Advisor.

SECTION 7. COMPENSATION.

Compensation for the Scope of Services performed by the Financial Advisor shall be as follows:

A. Financial Advisor shall be paid on an hourly basis for all time expended by its personnel for financial advisory services performed in connection with the Scope of Services as follows:

<u>Position</u>	Hourly Rate
Senior Officers (Senior Vice President, Managing Director and Senior Vice President, Vice President)	\$160.00
Professional Staff (Associates/Analysts)	\$140.00
Support Staff	\$100.00
Other	\$ 30.00

The fee schedule may be adjusted on an annual basis upon written approval by the Executive Director.

B. In addition to the foregoing hourly rates received by the Financial Advisor, it shall be entitled, whenever notes or bonds are issued by the Authority, to a fee in accordance with the fee schedule set forth below. But if work by the Financial Advisor is performed upon a specific project for which bonds or notes are actually issued, then the Authority shall be entitled to a credit equal to all the amounts billed under this subsection. As an example, if the Authority and the Financial Advisor plan a bond issue in which the Financial Advisor bills and invoices the Authority for \$5,000.00 worth of work on an hourly basis

but a final decision is made by the Authority to issue no bonds, then the Financial Advisor shall be entitled to \$5,000.00. If however, the planning work by the Financial Advisor and the Authority shall culminate in the actual issuance of bonds, then the Financial Advisor shall be entitled to compensation under this subsection after allowing a credit for the \$5,000.00 previously paid. If the Financial Advisor performs work on a specific issuance of obligation (bond issuance), the Financial Advisor shall be compensated as follows:

Fees:

\$20,000 for obligations up to	\$15,000,000
Plus \$1.00 per \$1,000 for next	\$15,000,000
Plus \$0.75 per \$1,000 for next	\$30,000,000
Plus \$0.50 per \$1,000 for next	\$60,000,000

For escrows that require structuring and bidding of open market securities, investment contracts and certifications of market prices, a fee of 2 basis points shall apply subject to a minimum fee of \$5,000. In any event, such amount shall not exceed the amount permitted in existing U.S. Treasury regulations.

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C. The fair and reasonable expenses of the Financial Advisor necessarily incurred in the performance of the duties herein described and agreed to by the Authority or its designee shall, upon proper invoice and detail, be paid by the Authority. Out-of-pocket expenses incurred by the Financial Advisor for the Authority relating to the activities contemplated herein and agreed to by the Executive Director shall also be paid by the Authority at actual cost with no mark-up, including, but not limited to, such costs as fees to attorneys and consultants, Official Statement printing costs, rating agency fees, and the costs of

printing and delivery of debt obligation instruments. Out-of-pocket expenses incurred by the Financial Advisor for travel or hotel expense are to be pre-approved by the Executive Director and will be reimbursed in accordance with Exhibit "B" Authority Resolution 2005-09 *Resolution Establishing Per Diem and Travel Expenses* (or latest version).

- D. The Financial Advisor shall prepare and submit to the Executive Director for approval monthly invoices for the services rendered and expenses incurred under this Agreement. Invoices must be submitted to the Executive Director by the 20th day of the month for work completed the previous month. Payment shall be made within thirty (30) days of receipt and approval of invoice by the Executive Director. All invoices shall be accompanied by a report identifying the nature and progress of the services performed and in a format approved by the Executive Director.
- E. The Authority reserves the right to withhold payment to the Financial Advisor for failure to perform services in accordance with this Agreement. The Authority shall promptly notify the Financial Advisor if any invoice or report is found to be unacceptable and will specify the reasons therefore.
- F. The Financial Advisor shall have the right to suspend services under the Agreement if an invoice becomes delinquent. "Delinquent" shall be defined as an invoice not being paid within sixty (60) days from receipt by the Authority. The Financial Advisor's right to suspend services does not become effective if the Authority has withheld payment of an invoice for cause.

SECTION 8. GENERAL CONSIDERATION.

A. The Financial Advisor shall not be an underwriter of any debt obligation issued by the

Authority and shall not in any manner participate in the syndication for the issuance of any of the Authority's obligations.

- B. All original documents prepared by Financial Advisor are instruments of service and shall become public property. However, the use of data gathered under this Agreement shall be restricted and limited to the purposes of this Agreement, excluding the data in the public domain, and shall not be used to service other contracts of the Financial Advisor without written permission of the Authority. The Financial Advisor will provide reproducible copies of reports and other documents. Copies of electronic media used to store data shall be provided to the Authority in a format suitable for hard copy print out. Reports, documents and maps obtained from other agencies in the course of executing the Scope of Services will be considered the property of the Authority and will be delivered by the Financial Advisor to the Authority upon the Authority's request and/or completion of assignment. Reuse of documents of the Authority for purposes other than those intended by this Agreement shall be at the sole risk of the Authority.
- C. In connection with the work to be performed under this Agreement, Financial Advisor agrees to comply with the applicable provisions of State and Federal Equal Employment Opportunity statutes and regulations and with the provisions of Chapter 119, Florida Statutes (Public Records Law).

SECTION 9. PROHIBITION AGAINST CONTINGENCY FEES.

The Financial Advisor warrants it has not employed or retained any company or person, other than a bona fide employee working solely for the Financial Advisor, to solicit or secure this Agreement and that the Financial Advisor has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Financial Advisor, any fee, commission, percentage, gift or any other consideration contingent upon or resulting from the award or making of this Agreement. For the breach or violation of this provision, the Authority shall have the right to terminate this Agreement without liability, and at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration.

SECTION 10. ENTITY CRIMES AFFIDAVIT.

The Financial Advisor represents it has furnished a Public Entity Crimes Affidavit pursuant to Section 287.113, Florida Statutes.

SECTION 11. INSURANCE.

- A. The Financial Advisor shall purchase and maintain such commercial (occurrence form) or comprehensive general liability, workers compensation and other insurance as is appropriate for the services being performed hereunder by the Financial Advisor, its employees or agents. The amounts and types of insurance shall conform to the following minimum requirements:
 - 1. <u>Workers Compensation</u>. Coverage must apply for all employees and statutory limits in compliance with the applicable state and federal laws. In addition, the policy must include the following:
 - a. Employer's Liability with a minimum limit per accident in accordance with statutory requirements.
 - b. Notice of Cancellation and/or Restriction. The policy must be endorsed to provide Authority with thirty (30) days written notice of cancellation and/or restriction.
 - 2. <u>Comprehensive General Liability</u>. Coverage must include:
 - a. \$1,000,000.00 combined limit per occurrence for bodily injury, personal injury and property damage.

- b. Contractual coverage applicable to this specific contract, including any hold harmless and/or indemnification agreement and independent contractor's coverage.
- c. Additional Insured. Authority is to be specifically included as an additional insured.
- d. Notice of Cancellation and/or Restriction. The policy must be endorsed to provide Authority with thirty (30) days written notice of cancellation and/or restriction.
- 3. <u>Comprehensive Automobile Liability</u>. Coverage must be afforded on a form no more restricted than the latest edition of the Comprehensive Automobile Liability Policy filed by the Insurance Services Office and must include:
 - a. \$1,000,000 combined single limit per accident for bodily injury and property damage.
 - b. Owned Vehicle.
 - c. Hired and Non-Owned Vehicles.
 - d. Employee Non-Ownership.
 - e. Additional Insured. Authority is to be specifically included as additional insured.
 - f. Notice of Cancellation and/or Restriction. The policy must be endorsed to provide Authority with thirty (30) days written notice of cancellation and/or restriction.
- 4. <u>Personal Liability.</u> Coverage must include:
 - a. Minimum limit of \$1,000,000 per occurrence or claim of malpractice, negligence, error and omissions.
 - b. Minimum limit of \$1,000,000 in the aggregate for claims of malpractice, negligence, error and omissions.
 - c. Notice of Cancellation and/or Restriction. The policy must be endorsed to provide Authority with thirty (30) days written notice of cancellation and/or restriction.
- B. The Financial Advisor must deliver to the Authority Certificates of Insurance evidencing

the insurance coverage specified in this Section prior to commencing work under the

Agreement. The required Certificates of Insurance not only shall name types of policies

provided but also shall refer specifically to the Agreement.

C. Insurance coverage shall be placed with insurers or self-insurance funds, satisfactory to

the Authority, licensed to do business in the State of Florida and with a resident agent designated for the service of process. The Financial Advisor shall provide the Authority with financial information concerning any self-insurance fund insuring the Financial Advisor. At the Authority's option, Self-Insurance Fund financial information may be waived.

- D. All the policies of insurance so required of the Financial Advisor, except workers compensation and professional liability, shall be endorsed to include as additional insureds: the Authority, its directors, officers, employees and agents. Such insurance policies shall include or be endorsed to include a cross liability clause so the additional insureds will be treated as if a separate policy were in existence and issued to them. If the additional insureds have other insurance, which might be applicable to any loss, the insurance required of the Financial Advisor shall be considered primary, and all other insurance shall be considered excess. The cross liability clause does not increase the limits of liability or aggregate limits of the policy.
- E. Deductible and self-insured retention amounts shall be subject to approval by the Authority, which approval shall not be unreasonably withheld. The Financial Advisor is responsible for the amount of any deductibles or self-insured retentions.
- F. Approval of the insurance by the Authority shall not relieve or decrease the liability of the Financial Advisor hereunder. The Financial Advisor acknowledges and agrees the Authority does not in any way represent the insurance (or the limits of insurance) specified in this Article is sufficient or adequate to protect the Financial Advisor's interests or liabilities, but are merely minimums.

- G. All of the policies of insurance required to be purchased and maintained (or the certificates or other evidence thereof) shall contain a provision or endorsement that the coverage afforded will not be cancelled, materially changed, or renewal refused, until at least thirty (30) days prior written notice has been given to the Authority and the Financial Advisor by certified mail. The Financial Advisor shall give notice to the Authority within twenty-four (24) hours of any oral or written notice of adverse change, non-renewal or cancellation. If the initial insurance expires prior to completion of the work, renewal Certificates of Insurance shall be furnished thirty (30) days prior to the date of their expiration.
- H. All insurance required hereunder shall remain in full force and effect until final payment to the Financial Advisor except for the requirement in the paragraph below.
- I. Professional liability insurance shall continue in force until the end of the fifth (5th) calendar year following termination of this provision. The current professional liability insurance policy, if not renewed, shall provide for an extended reporting period on the existing policy through said fifth (5th) calendar year.
- J. The Financial Advisor shall, upon request by the Authority, deliver to the Authority a copy of each insurance policy purchased by the Financial Advisor.
- K. All policies, except for workers' compensation and professional liability, shall contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of subrogation against the Authority, its consultants, directors, officers, employees, representatives or agents. Nothing contained in these insurance requirements

is to be construed as limiting the liability of the Financial Advisor or the Financial Advisor's insurance carriers.

- L. The commercial (occurrence form) or comprehensive general liability (occurrence form) insurance shall include contractual liability insurance applicable to all of the Financial Advisor's obligations under the Agreement, including any indemnity or hold harmless provision.
- M. The Financial Advisor shall require each of its subcontractors, suppliers and other persons or organization working for the Financial Advisor to procure and maintain, until the completion of that party's work or services, insurance of the types and in the coverage amounts required to be carried by the Financial Advisor in the Agreement unless the Authority agrees, in writing, to other types of coverage and/or lower coverage amounts. Provided, however, professional liability insurance shall not be required under the Agreement for subcontractors, suppliers or other persons or organizations working for the Financial Advisor, unless such party is a licensed professional. The preceding sentence does not preclude the Financial Advisor for requiring such insurance. The Financial Advisors shall be responsible for ensuring all of its subcontractors, suppliers and other persons or organizations working in connection with the Scope of Services comply with all of the insurance requirements contained herein relative to each such party.

SECTION 12. TERMINATION OF AGREEMENT BY THE AUTHORITY.

A. This Agreement may be terminated by the Authority, with or without cause, upon ten
 (10) days written notice. If this Agreement is so terminated, the Financial Advisor shall
 be paid for all work performed, pursuant to the terms and conditions of this Agreement,

up to the date of termination. If the Agreement is terminated, the Financial Advisor must promptly deliver to the Authority copies of all then completed deliverable items and other documents that directly support the deliverables by the Financial Advisor.

- B. In the event this Agreement should be terminated by the Authority, the duties of the Financial Advisor under the following provisions shall survive termination and continue in full force and effect:
 - 1. Section 5F regarding Audits;
 - 2. Section 5D regarding Documents;
 - 3. Section 11, regarding Professional Liability Insurance; and
 - 4. Section 16, regarding Indemnification

SECTION 13. CONTROLLING LAW

- A. This Agreement is to be governed by the laws of the State of Florida. The sole and exclusive venue for any litigation resulting out of this Agreement shall be in Manatee County, Florida.
- B. Should litigation be necessary to enforce any term or provision of this Agreement, or to collect any portion of the amount payable under this Agreement, the prevailing party shall be entitled to recover from the non-prevailing party all litigation and collection expenses, including witness fees, court costs and attorney's fees.

SECTION 14. SUCCESSORS AND ASSIGNS.

The Authority and the Financial Advisor, respectively, bind themselves, their partners, successors, assigns and legal representatives to the other party to this Agreement and to the partners, successors, assigns and legal representatives of such other party with respect to all

covenants of this Agreement. Neither Authority nor Financial Advisor shall assign, sublet or transfer any interest in this Agreement without the written consent of the other.

SECTION 15. EXTENT OF AGREEMENT.

- A. This Agreement represents the entire and integrated agreement between the Authority and the Financial Advisor and supersedes all prior negotiations, representations or agreements, either written or oral.
- B. This Agreement may only be amended, supplemented, modified, changed or canceled by a duly executed written instrument.

SECTION 16. INDEMNIFICATION OF THE AUTHORITY.

- A. The Financial Advisor shall indemnify and hold harmless the Authority, its directors, officers, agents, servants and employees, from liabilities, damages, losses and costs including attorney's fees, or causes of action of whatsoever kind or nature caused by negligence, recklessness, omission or act, or intentionally wrongful conduct of the Financial Advisor, its agents, servants or employees, or other persons utilized by the Financial Advisor, in the performance of services under this Agreement. The Authority and the Financial Advisor agree one percent (1%) of the total compensation to the Financial Advisor for performance of this Agreement is the specific consideration from the Authority to the Financial Advisor for the Financial Advisor's indemnity agreement. The Financial Advisor shall not indemnify the Authority for any negligence of the Authority's employees or agents.
- B. The execution of this Agreement by the Financial Advisor shall obligate the Financial
 Advisor to comply with the foregoing indemnification provision; however, the obligation

of insuring this indemnification must also be complied with as set forth in Section 11 herein.

SECTION 17. INDEPENDENT CONTRACTOR.

Neither the Authority nor any of its employees shall have any control over the conduct of the Financial Advisor or any of the Financial Advisor's employees, except as herein set forth, and the Financial Advisor expressly warrants not to represent at any time or in any manner that the Financial Advisor or any of the Financial Advisor's agents, servants or employees are in any manner agents, servants or employees of the Authority. It is understood and agreed the Financial Advisor is, and shall at all times, remain as to the Authority a wholly independent contractor and the Financial Advisor's obligations to the Authority are solely as prescribed by this Agreement.

SECTION 18. SEVERABILITY.

In the event any provision of this Agreement shall, for any reason, be determined invalid, illegal or unenforceable in any respect, the parties shall negotiate in good faith and agree to such amendments, modifications or supplements of this Agreement or such other appropriate actions as shall, to the maximum extent practicable in the light of such determination, implement and give effect to the intentions of the parties as reflected herein, and the other provisions of this Agreement, as amended, modified, supplemented or otherwise affected by such action, shall remain in full force and effect.

<u>SECTION 19</u>. MEETING ATTENDANCE.

The Financial Advisor shall make formal presentations to the Authority Board at scheduled meetings, when requested, and shall be available to make status reports to the Authority Board as needed.

SECTION 20. NOTICES.

Any notices to be given under this Agreement shall be given by enclosing the same in a sealed envelope, postage prepaid, and depositing same in the United States Postal Service, addressed to the Financial Advisor at its address stated herein, and to the Authority at its address stated herein. Either party may change said address by notice in writing to the other party.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first written above.

ATTEST:

Tourard

WITNESSES:

APPROVED AS TO FORM:

Douglas Maison Attorney for Peace River Manasota Regional Water Supply Authority

PEACE RIVER MANASOTA 6 2002 REGIONALWATERSUPPLY AUTHORITY

By: <u>Assoc</u> Patrick J. Lehman Executive Director

FIRST SOUTHWEST COMPANY

EXHIBIT "A"

SCOPE OF WORK FOR FINANCIAL ADVISORY SERVICES

Upon receiving written instructions from the Executive Director, the Financial Advisor shall provide the services listed below:

- 1. Examine and review the present financial structure of the Authority and its proposed projects;
- 2. Assist with the preparation of cash flow forecasts for proposed issues addressing debt service requirements and sources of funding;
- 3. Prepare the timetables and work schedules to ensure proposed bond issues are planned and executed in an efficient manner;
- 4. Assist in identifying key bond covenant features and advise the Authority with regard to provisions to be included in bond resolutions regarding security, flow of funds, redemption and additional parity debt tests;
- 5. Assist, as necessary, in the proceedings for the validation of any bonds and the preparations of materials pertaining thereto and testify as an expert witness in the financing program;
- 6. Advise as to the advantages and disadvantages of a negotiated or competitive bid sale;
- 7. Assist in the selection of underwriters, if a negotiated sale is advisable;
- 8. Recommend as to whether credit substitutions or enhancements, such as bond insurance, should be obtained;
- 9. Prepare for and participate in rating agency presentations including on-site visits by or meetings with such agencies;
- 10. Arrange for widest possible distribution of Official Statements to bond underwriters and investors;
- 11. Assist in the negotiating of the underwriter's discount, or spread if a negotiated sale is contemplated;
- 12. Assist the Authority in selecting registrars, paying agents and other financial intermediaries as necessary;
- 13. Assist at bond closing and coordinate printing, signing and delivery of the bonds;

- 14. Provide the Authority with information about the structure of financing programs used by other issuers;
- 15. Coordinate applications by the Authority for future credit ratings in order to assist in obtaining the highest possible ratings;
- 16. Provide advice on proposed and actual changes in tax laws and changes in financial markets that could affect bond financing plans;
- 17. Provide information required by external auditors of the Authority as the same may be reasonably required from time to time;
- 18. Provide investment strategies based on current market conditions and portfolio review to maximize investment earnings;
- 19. Evaluate various loan proposals or lease purchase contracts the Authority may enter into;
- 20. Assist in establishing written goals and objectives for cash and debt management;
- 21. Review rate studies and feasibility reports for adequacy of future debt financings;
- 22. Prepare a comprehensive plan for the financing, taking into consideration federal arbitrage regulations and other related parameters, presenting financing alternatives, evaluating debt capacity, future flexibility and vulnerability to market conditions, estimating financing costs and setting forth various structuring alternatives;
- 23. Assist the Authority in selecting and engaging a bond counsel;
- 24. Coordinate the "Bond Working Group" consisting of the Authority Board, its Executive Director, Authority Attorney, Underwriters, Bond counsel and others;
- 25. Advise the Authority Board of Directors and staff as to market conditions and recommend the timing of the sale of the bonds;
- 26. If the bonds are sold by public sale with sealed bids, prepare a comprehensive official statement of the bonds in conformance with full disclosure guidelines and arrange for its printing;

IF PUBLIC SALE:

- 27. In cooperation with legal counsel, prepare the official notice of sale for the bonds;
- 28. Assist the Authority Board at the time of sale in checking all bids for compliance with bid

specifications and making a recommendation as to award of the bonds in the best interest of the Authority Board;

IF NEGOTIATED SALE:

29. Evaluate the bond purchase agreement and advise as to its acceptance or rejection in light of market conditions;

IF PUBLIC OR NEGOTIATED SALE:

- 30. Provide final amortization schedules to the Authority;
- 31. Review and approve all invoices and bills submitted to the Authority in connection with the bond issuance;
- 32. Advise the Authority Board and staff regarding any financial matters as they may arise;
- 33. Assist the Authority's finance personnel with interpretation and implementation of bond provisions;
- 34. Prepare an annual report on bonds which will be made available to institutional holders of bonds and other interested parties, if desired by the Authority; and
- 35. Any other additional work related to the Authority's general financing needs and requirements.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

CONSENT AGENDA ITEM 11

Amendment No. 1 of Work Order No. 3 for Ardurra Phase 1 Interconnect Construction Phase Services

Recommended Action -	Motion to approve Amendment No.1 to Work Order No.		
	3 to Ardurra Group Inc. Phase 1 Interconnect		
	Construction Phase Services increasing the compensation		
	by \$190,256 to a revised total amount not-to-exceed of		
	\$1,087,726.		

The Phase 1 Interconnect project is a 24-inch diameter transmission main approximately 6-miles in length extending from the Authority's regional transmission system near the DeSoto and Charlotte County line along U.S 17 to the City of Punta Gorda's Shell Creek Water Treatment Facility. Ardurra Group Inc. (formerly King Engineering Associates, Inc.) entered into an agreement for Profession and Technical Consulting for Phase 1 Interconnect for design and construction phase services. The Construction Contract was awarded to the Contractor (Reynolds Construction LLC) on December 5, 2018 and the Notice to Proceed for Construction was issued on January 24, 2019.

Work Order No. 3 for Phase 1 Interconnect Construction Phase Services was awarded to Ardurra on December 5, 2018. Amendment No. 1 to Ardurra will increase the Work Order authorization by \$190,256 from \$897,470 for a revised total amount not-to-exceed of \$1,087,726. The increase will cover shortfalls in Work Order No. 3 funds necessary for Ardurra to provide additional administration, construction oversight, materials testing and monitoring due to an increase of construction time and the Contractor's increase in construction crews intended to meet the compressed recovery schedule. Additionally, Amendment No.1 includes an increase in the Owner's Allowance in the event the Contractor cannot meet their proposed recovery schedule. Funds for Amendment No. 1 to Ardurra's Work Order No. 3 will be recovered from the construction contract budget.

Budget Action: No action needed.

Attachments: Tab A Staff Memo Tab B Ardurra Amendment No. 1 to Work Order No. 3

TAB A Staff Memo

MEMORANDUM

DATE:	May 27, 2020
то:	Patrick Lehman, Executive Director
FROM:	Ford Ritz, PE, Project Engineer
RE:	Amendment No. 1 of Work Order No. 3 for Ardurra Phase 1 Interconnect for Construction Phase Services (U.S. 17 to Punta Gorda)

SUMMARY

The Phase 1 Regional Interconnect is being constructed by Reynolds Construction LLC (Contractor), with Construction Phase Engineering Services provided by Ardurra (Formerly King Engineering). Delays in installation of the Phase1 Interconnect have increased the duration of the project by an estimated 54 calendar days. The Contractor now projects a June 16, 2020 completion date and has had multiple construction crews on site in an effort to meet that date. This increased duration and the additional construction crews has increased the manpower requirements for construction phase services provided by Ardurra on the project.

The proposed Amendment No. 1 provides up to \$190,256 in additional budget for Ardurra's Construction Phase Services under Work Order No. 3 to cover Contractor activities through June 16, 2020. The amendment also includes an Owners Allowance for use in the event that construction work extends beyond June 16th. Amendment No. 1 will increase the Work Order No. 3 budget for Construction Phase Services from the currently authorized \$897,470 to \$1,087,726. The Amendment is based on time and material tasks shown in the attached Tab B.

Staff recommends approval of Amendment No. 1 for Ardurra to provide additional construction oversite and monitoring of construction for the Phase 1 Interconnect in an amount not to exceed \$190,256. Amendment No.1 is not projected to increase the total dollars authorized to-date for this project because funds for Amendment No, 1 are expected to be recovered from the existing \$8,228,000 Construction Contract.

BACKGROUND

The Phase 1 Interconnect is a 24-inch diameter transmission main approximately 6-miles in length that will provide a plant-to-plant connection between the Peace River Facility in Desoto County and the City of Punta Gorda's Shell Creek Water Treatment in Charlotte County. The project begins at the southern terminus of the regional system's Desoto Regional Transmission Main on U.S. 17 near the Desoto/Charlotte County line and continues south along U.S. 17, east along Washington Loop Road, south along Three Rivers Road under Shell Creek via a horizontal directional drill (HDD) to the City's Shell Creek WTP.

The Authority entered into a Professional Services Agreement for Design and Construction Phase Services with the Ardurra Group (formerly King Engineering) for the Phase 1 Interconnect in January 2016. These professional services were implemented under three separate Work Orders: Work Order No. 1 for preliminary design work, Work Order No. 2 for final design, permitting and bid phase services and Work Order No. 3 for construction phase services.

Consent 11. - Amendment of Work Order No. 3 for Ardurra Phase 1 Interconnect Construction Phase Services.

Early this year, February through early May, the Construction Contractor (Reynolds Construction LLC) had multiple crews mobilized to the site, reinstalling pipe that had failed compaction specifications along U.S. 17, and completing pipe installation along U.S. 17, North Washington Loop and Three Rivers Road. Also, during this period, construction of the Shell Creek Meter Station was completed. Additionally, the Contractor connected the Phase 1 pipeline to the Shell Creek Water Treatment Plant and to the existing Desoto County Regional Transmission Main. Currently, all main line piping has been installed and the Contractor is finishing construction of air release valves and blow offs and preparing for pressure testing, flushing and disinfection of the pipeline. Installation has been completed for the Horizontal Directional Drill under Shell Creek (approximately 3,500-lf).

DISCUSSION

Amendment No. 1 to Work Order No. 3 authorizes Ardurra to provide additional professional engineering services and construction oversight for the following on a time and material basis.

- Additional RPR coverage due to the Contractor's recovery schedule and increased number of construction crews
- Additional geotechnical materials testing for areas along U.S. 17 that require recompaction
- Additional Owner's Allowance to address uncertainly surrounding the Contractor completing construction as currently scheduled. Use of Owner's Allowance requires preapproval by the Executive Director

With Board approval, Amendment No. 1 will be incorporated by reference to the Agreement for Professional and Technical Consulting Services enter into on January 28, 2016 between the Authority and Ardurra Group Inc. (formerly King Engineering Associates, Inc.) for the Phase 1 Regional Integrated Loop System Interconnect and Work Order 3 Board approved on December 5, 2018.

The Board-authorized Phase 1 Regional Interconnect Project combined amount for engineering services (Ardurra) and construction (Reynolds) of \$10,483,923.00 remains unchanged by Amendment No.1 to Work Order 3. Reconciliatory change orders for engineering services and construction will finalize contract time and costs at the conclusion of the Phase 1 Interconnect project.

 TAB B

 Ardurra Amendment No. 1 to Work Order No. 3

REGIONAL INTEGRATED LOOP SYSTEM PHASE 1 REGIONAL INTERCONNECT PROJECT

WORK ORDER NO. 3, AMENDMENT 1

Additional Construction Services

INTRODUCTION

This Work Order No. 3, Amendment 1 is entered into this 27th day of May 2020 and is to be attached to and incorporated by reference to the Agreement for Professional and Technical Consulting Services entered into on January 28, 2016 between the Authority and Ardurra Group Inc. (formerly King Engineering Associates, Inc.) (Engineer) for the Regional Integrated Loop System Phase 1 Interconnect Project.

Work Order No. 3 Amendment 1 describes the scope of work, schedule of completion and compensation for additional engineering and construction services for the Regional Integrated Loop System Phase 1 Interconnect Project (Phase 1) associated with additional resident project representative (RPR) services and construction materials testing services necessitated by the Contractor's failure to properly install the work in a timely manner.

SUMMARY

Work Order No. 3 authorized the Engineer to provide construction-related services, including on-site resident project representative (RPR) services and materials testing services for the new 24-inch Phase 1 pipeline extending water supply from the DeSoto County Project Prairie facility to the City of Punta Gorda's Shell Creek Water Treatment Plant, including associated appurtenances and a meter assembly. In constructing a portion of the project along US 17, the construction Contractor was unsuccessful in properly compacting the backfill around the pipe as confirmed by failing density tests. To correct this, the Contractor will remove and re-install the backfill material. This, in turn, requires additional geotechnical testing services to confirm proper compaction of the backfill around the pipe. As a result of this, the schedule has been compressed requiring additional construction crews and an attendant need for an additional on-site project representation to oversee the completion of project. This Amendment 1 to Work Order 3 authorizes Engineer to provide additional geotechnical and RPR services.

Amendment 1 also includes the replenishment of the Contingency Allowance, which was depleted by the need to address a claim for delay made by the construction Contractor. The claim, associated with the improperly installed pipe, was addressed with Engineer's assistance and is no longer being pursued by the Contractor. The Allowance is being increased to account for potential additional engineering costs associated with an uncertainty that the Contractor will be able to complete the work in accordance with the contract time. Any such costs will require pre-approval by the Authority.

SCOPE OF WORK

Task 4 - Resident Project Representative (RPR) Services

Consultant will provide RPRs additional coverage as needed but limited to the hours shown below. The Consultant's RPRs will be qualified with demonstrated and adequate experience, training and expertise in the specific discipline or area of work and pipe material being observed.

• RPR for 1600 regular hours

All Consultant personnel are subject to acceptance by the Authority and continual acceptance by the Authority throughout the term of the Project. Consultant will provide all duties assigned to the Engineer contained in the Contract Documents between the Authority and the Contractor for construction of the Regional Integrated Loop System - Phase 1 Interconnect Project including, but not limited to, the Construction Contract and all technical specifications.

Task 5 - Construction Materials Testing

Consultant will provide the services of a geotechnical sub-consultant to perform the following services during construction:

- a. Perform sampling and laboratory testing of backfill soils to include modified or standard Proctor, grainsize analysis, Atterberg limits, organic content and classification testing.
- b. Perform in place field density testing for 24" ductile iron pipe (DIP) backfill with a minimum cover of 4' and testing interval of every 250 lineal feet for each 12" lift of compacted fill along with subgrade and base density tests at replacement crossings.

SCHEDULE OF COMPLETION

The Consultant will execute work associated with Work Order No. 3 Amendment 1 in parallel with ongoing Work Order 3 efforts.

DELIVERABLES

Deliverables will be as outlined in Work Order 3, Exhibit A.

COMPENSATION

The Authority agrees to compensate the Consultant for Work Order No. 3 Amendment 1 on a Time & Material basis as set forth in Exhibit A.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the day and year first written above.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Patrick J. Lehman, P.E. Executive Director

Ardurra Group, Inc.

Ву:_____

REGIONAL INTEGRATED LOOP SYSTEM - PHASE 1 INTERCONNECT PROJECT

WORK ORDER NO. 3 AMENDMENT 1 Additional Construction Services

Exhibit A Compensation

The Authority agrees to compensate the Consultant for Work Order No. 3 Amendment 1 in accordance with the following schedule. Progress payments shall be due and payable monthly. Lump sum fee monthly progress payment is to be in proportion to the percentage of engineering work approved and accepted by the Authority, in writing, based on the lump sum fees as set forth in table below. Time and materials fee monthly progress payment is to reflect, in writing, the description of the quantity of work performed, the positions or classifications who performed the work, the applicable hourly rates of the Consultant as approved and attached to the Agreement for Professional Services between the Authority and the Consultant, and the amount of task fee remaining.

The compensation shown in table below is not to be exceeded without prior written approval of the Authority.

TASK	DESCRIPTION	ADDITIONAL FEE	TYPE
4	Additional RPR Services	\$42,033	Time and Materials
5	Additional Construction Materials Testing Services	\$68,223	Time and Materials
6	Owner's Allowance	\$80,000	Time and Materials
ΤΟΤΑΙ	WORK ORDER NO. 3, AMENDMENT 1	\$190,256	

The Authority's Executive Director is authorized to adjust task item amounts and reallocate funds between tasks if such adjustment does not result in an increase to the total fee. The above budgeted task amounts are not to be exceeded without prior written approval of reallocation of funds between tasks by the Authority's Executive Director or amendment of this Agreement by the Authority.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

REGULAR AGENDA ITEM 1

Water Supply Conditions

Presenter -

Richard Anderson, System Operations Manager

Recommended Action -

Status Report. This item is presented for the Board's information and no action is required.

Water Supply Conditions at the Peace River Facility as of May 13, 2020.

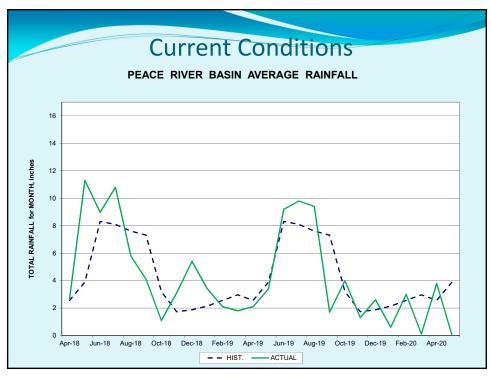
- Water Supply Quantity: <u>Excellent</u>
- Treated Water Quality: Excellent

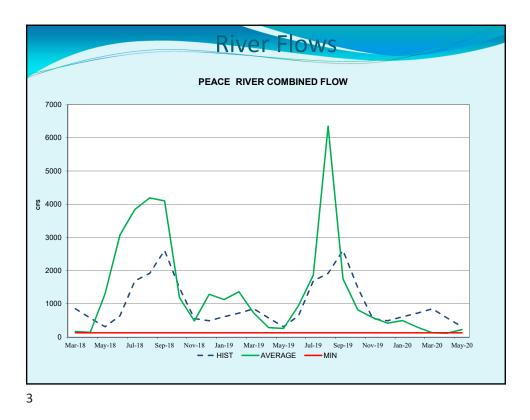
May Water Demand	32.15 MGD
May River Withdrawals	00.00 MGD
<u>Storage Volume</u> : Reservoirs ASR Total	4.72 BG <u>8.22 BG</u> 12.94 BG

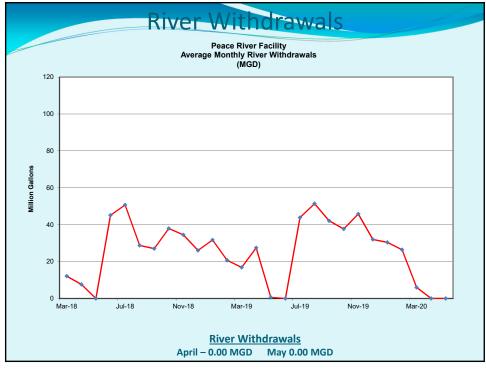
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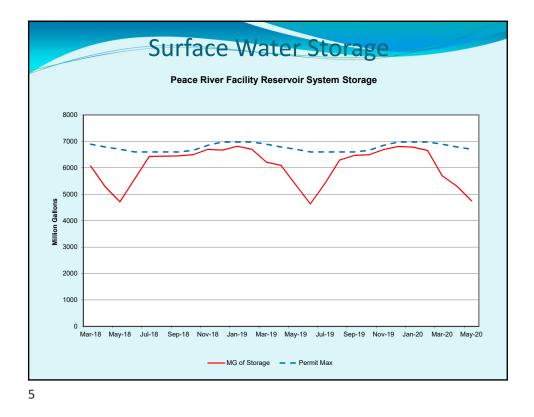
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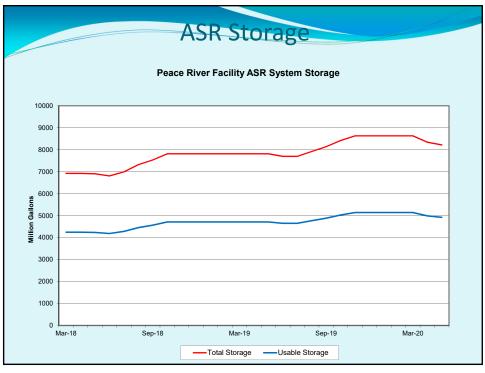


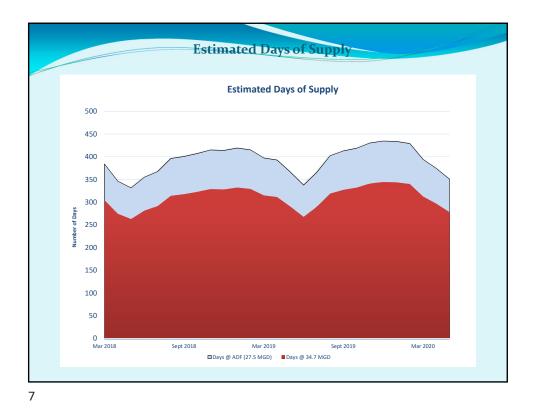


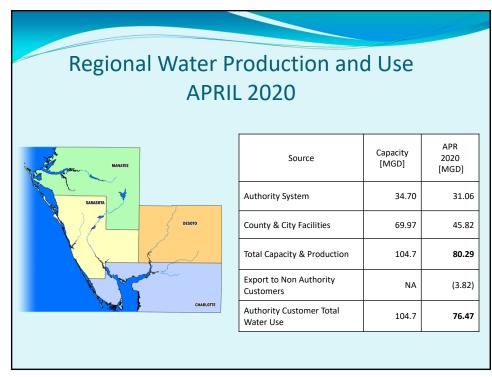


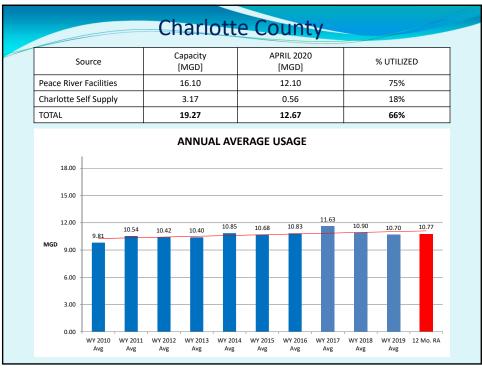


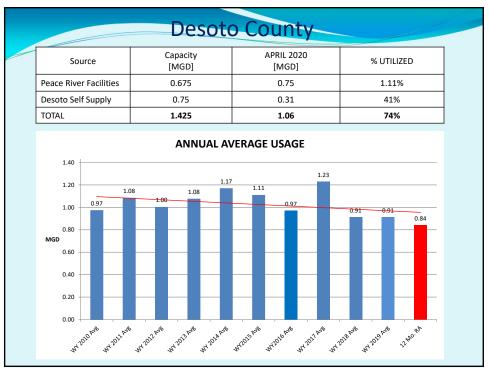


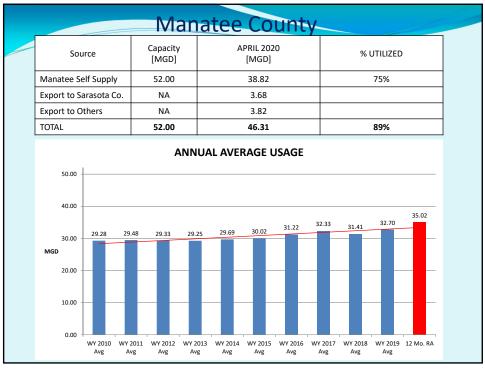


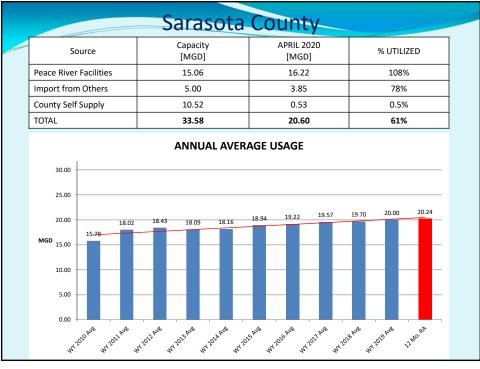


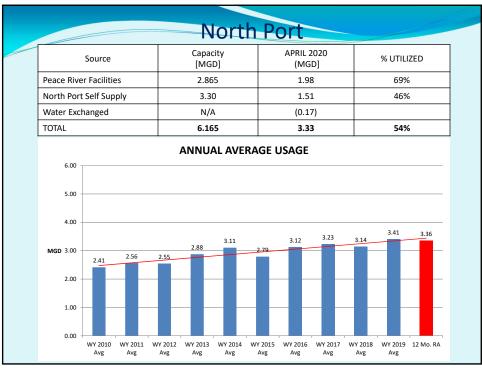


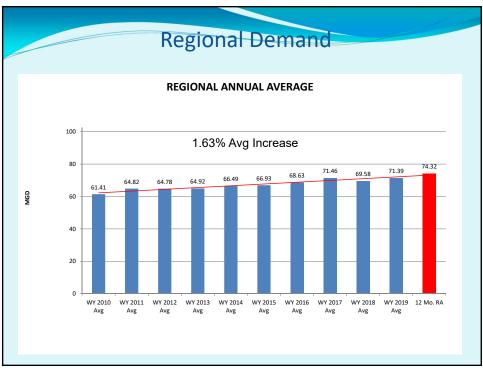


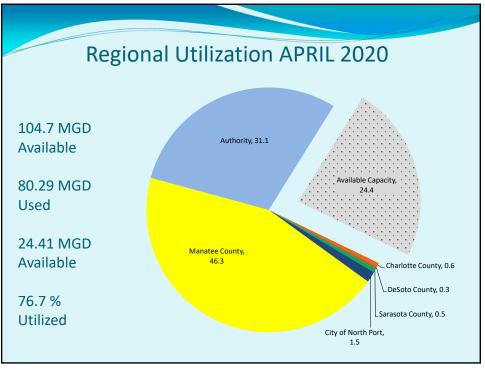














PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

REGULAR AGENDA ITEM 2

Peace River Regional Reservoir No. 3 Project (PR³) Consultant Selection

Presenter -

Recommended Action -

Terri Holcomb, Resource Management & Planning Manager

Motion to approve ranking of Consultants and authorize Executive Director to negotiate Contract for the Peace River Regional Reservoir No. 3 (PR³) Project with the highest ranked Consultant to bring back for Board action.

The request for 'Statement of Qualifications' (SOQ) from consultants was properly advertised for the purpose of providing 'Professional Design and Engineering Services' for the feasibility, siting, design, permitting and construction management on the Peace River Regional Reservoir (PR³) Project. Three (3) proposals were timely received by the Authority from the following firms (listed alphabetically):

- Gannett Fleming, Inc.
- HDR Engineering, Inc.
- Stantec Consulting Services, Inc.

The SOQs were evaluated, and interviews of all three consulting firms were conducted by the Professional Services Evaluation Committee (PSEC). The ranking of the firms by the PSEC members was closely split between Stantec and HDR with Gannet Fleming being a decisive third ranking. As a result, the Board requested that Stantec and HDR be interviewed by the Board for ranking of the consultants for the project.

Stantec and HDR will each be allowed up to 20 minutes for a presentation/interview with the Board followed by a Q&A period. The Authority's Procurement Policy provides that the firms be ranked based on results of the interviews. The policy provides the following considerations for evaluation of the firms.

- competence, including technical education and training or project personnel;
- experience in the kind of project to be undertaken;
- projected workload and availability of adequate personnel, equipment and facilities;
- the extent of repeat business of the firm;
- past record of professional accomplishments;
- office location proximity to Authority service area;
- past record of performance on Authority projects; and
- other applicable project specific factors determined by the agency.

Board ranking of the consultants is requested and authorization for the Executive Director to negotiate a Professional Services Contract with the highest ranked firm, and a scope and fee for the first Work Order in the contract - which will be the Feasibility and Siting Study for the Peace River Regional Reservoir No. 3 (PR³) Project. The contract, scope and fee will be submitted for Board action at a future meeting.

Budget Action: No action needed.

Attachments:

Tab A: HDR Peace River Regional Reservoir (PR³) Project Statement of Qualifications

- Tab B: Stantec Peace River Regional Reservoir (PR³) Project Statement of Qualifications
- Tab C: Information Package for Professional Design and Engineering Services

 TAB A

 HDR Peace River Regional Reservoir (PR3) Project Statement of Qualifications







Professional Design and Engineering Services

December 2019





FC

December 6, 2019

Mr. Patrick J. Lehman, Executive Director Peace River Manasota Regional Water Supply Authority 9415 Town Center Parkway, Lakewood Ranch, Florida 34202

RE: SOQ for Professional Design and Engineering Services for the PR³ Project

Dear Mr. Lehman and Members of the Selection Committee:

The Peace River Manasota Regional Water Supply Authority (Authority) continues to plan for the future with a progressive approach to water supply management. The design and construction of the Peace River Regional Reservoir (PR³) project will provide the additional off-stream raw water storage and increased river-pumping capacity to support regional water supply resiliency and meet growing drinking water needs for generations to come.

The HDR team was assembled to bring trusted leadership, technical innovation, and best-fit resources across all components and phases of the PR³ project. In partnership with Hazen and Sawyer (Hazen), EarthBalance, Progressive Water Resources, Hyatt Survey Services, H2R Corp, and Schnabel Engineering, we will deliver a water supply management project that meets today's needs with flexibility for the future.

Our proven team members have extensive experience partnering with the Authority, with similar projects in Florida, and with one another. We have 15 years of history with your water supply system; bringing critical insights into your facilities, from permitting and environmental mitigation to operational flexibility. As your partner, the Authority can rely on our team to provide the expertise and tools to identify and then deliver the optimized water supply solution that achieves the following success factors:



Water Quality and Water Quantity. Our collaborative team will plan, design, and construct infrastructure to maximize the volume of reliable, high-quality water; optimize economics; and minimize environmental impacts.

Resiliency and Redundancy. Every component of our planning and design will incorporate flexibility for a spectrum of operational scenarios; contingencies for emergency conditions; considerations for current and future customer demands; and compliance with state and federal regulations.



Cost and Schedule. Our cost-benefit decision model and parametric design tools will allow scenario analysis, affording the Authority the opportunity to readily see what the future of each project component could look like and how it affects function, cost, and schedule. Once the preferred improvements are identified, our delivery approach and tools will drive the design and construction services to deliver the PR³ project within budget and on time.

On behalf of our entire team, we are passionate about the opportunity to continue working with you to achieve your objectives through the successful delivery of the PR³ project. You can rely on our continued commitment to the Authority and our outstanding and responsive service.

Sincerely, **HDR Engineering, Inc.**

Katie S. Duty, PE Project Manager/Vice President

Jennifer Erin Hunt, PE Project Principal/Vice President



Consultant Competence/ Qualifications

Minimum Requirements Addressed (RFQ Page 5):

- 1. Legal Contact Information
- 2. Principal Office Locations
- 3. Legal Form
- 6. Key Personnel



Consultant Competence and Qualifications

The PR³ project will nearly double the Authority's reservoir storage capacity and create tremendous opportunity for flexibility and redundancy. A variety of combinations exist that offer different permitting, budget, and operations implications. **HDR and our exclusive teaming partner Hazen and Sawyer are the right team to partner with you in assessing the technical components and opportunities, finding the best path forward, and delivering a resilient water supply.**

Our experts have planned, designed, and constructed water supply system facilities around the world. We can help you develop innovative, reliable, and cost-effective solutions that secure co-funding opportunities and meet your immediate and long-term goals.

Water Quality and Water Quantity. Provide infrastructure for a reliable, high-quality water supply to serve future generations.

Resiliency and Redundancy. Provide a forward-thinking system that incorporates both redundancy and flexibility to accommodate future regulatory and demand requirements.

Cost and Schedule. Maximize the return on investment for sustainable infrastructure.

Directory of Requirements

Our SOQ is structured around the proposal evaluation criteria and includes the 13 minimum requirements on page 5 of the RFQ.

To facilitate your review, each required item is flagged with this symbol.



 1, 2, and 3
 page 1-02

 4.
 Forms and Licenses tab

 5.
 page 3-01

 6.
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 7.
 page 2-01

 8.
 page 4-01

 9, 10
 page 5-02

 12.
 page 2-01

 13.
 Forms and Licenses tab



"I have always enjoyed working with the Authority and take pride in what we've accomplished the past 15 years. Because of our long history and my experience with major reservoir projects across Florida, I know I am the right PM to lead this project for you. I have assembled a world-class team that includes many faces you'll recognize because they are local and know your facilities, too. I am excited for what the PR³ project will bring and am eager to help bring your vision to reality!"

Katie Duty, PE, Project Manager

Required Information



Legal Name:

HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232
2941.342.2700 (office)
727.542.3692 (mobile)
katie.duty@hdrinc.com



Principal Locations:

2601 Cattlemen Road, Suite 400 Sarasota, FL 34232

With support from: 4830 West Kennedy Blvd, Suite 400 Tampa, FL 33609

Hazen and Sawyer 7334 Delainey Ct Sarasota, FL 34240

EarthBalance 2570 Commerce Parkway North Port, FL 34289

Progressive Water Resources 6561 Palmer Park Circle, Suite D Sarasota, FL 34238

Hyatt Survey Services 2012 Lena Road Bradenton, FL 34211

H2R Corp 3921 76th Avenue North Pinellas Park, FL 33781

Schnabel Engineering 9800 Jeb Stuart Pkwy, Suite 200 Glen Allen, VA 23059

Legal Form: S Corporation



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Ready to Deliver – Katie Duty brought together members of her delivery team for technical PR^3 workshops to bring our best ideas to the Authority.

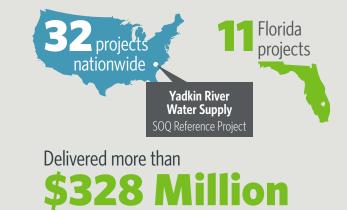
A Proven Delivery Team

HDR and Hazen and Sawyer have collaborated on 32 projects valuing more than \$328 million, including one of our team's reference projects, the Yadkin River Water Supply Project, as well as programs for Miami-Dade Water and Sewer, and the City of Fort Lauderdale. **Our companies and staff have established working relationships and connections that will facilitate this team's progress.**

Bringing specific expertise, our subconsultants EarthBalance, Progressive Water Resources, Hyatt Survey Services, H2R Corp, and Schnabel Engineering round out our proven delivery team with a long history of working in partnership with the Authority, on similar projects, and with one another.

HDR + Hazen History of Collaboration

Provides a team with established working relationships for seamless PR³ delivery

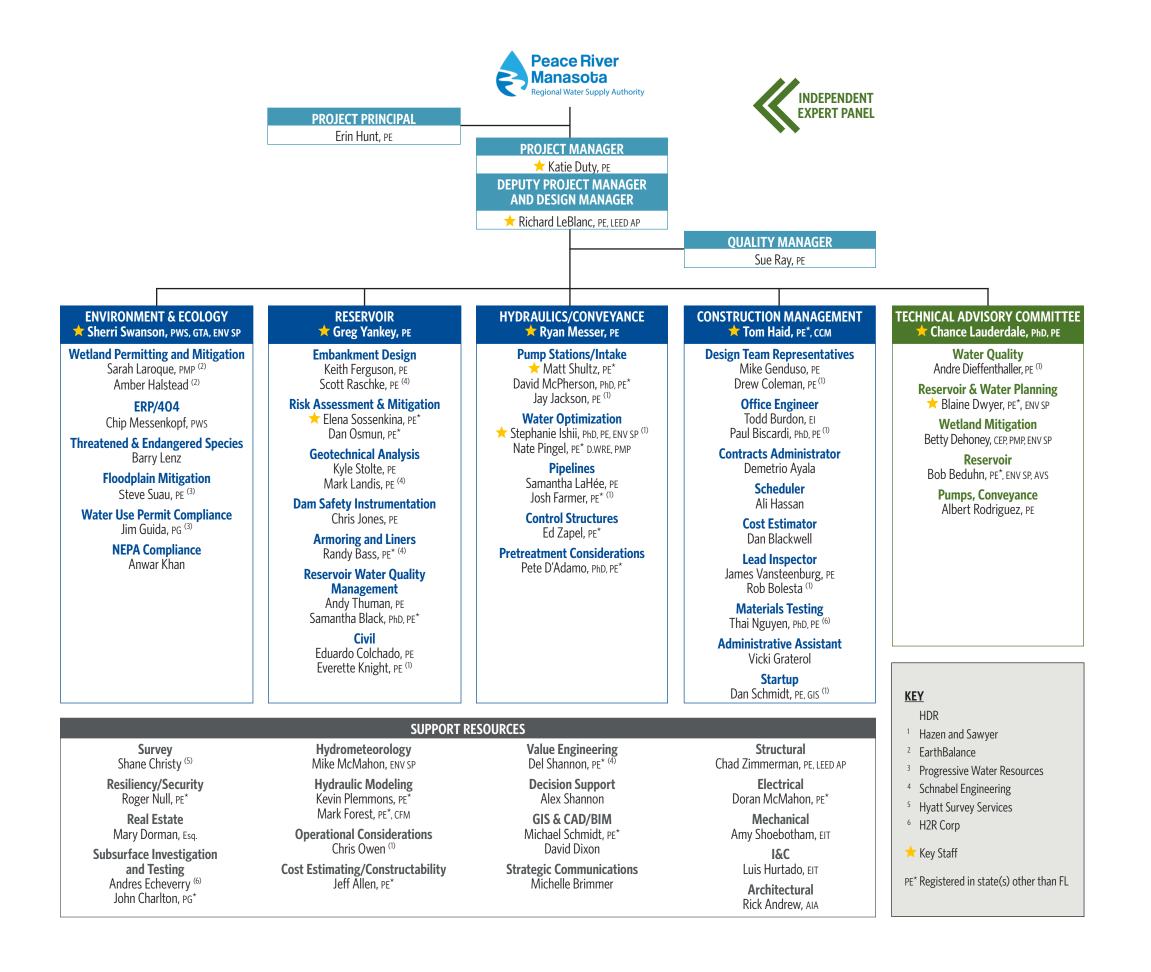


Experience with Scope of Work

HDR is consistently ranked in Engineering News-Record's Top 10 for all water-related categories including dams, transmission, and water supply. In addition to our national resume for water storage and supply projects, we bring deep experience with successful, local reservoir projects; **five of which were led by our proven project management leadership team.** This team's ability to manage the design and construction services will result in a reliable, optimized system.

Firm	Qualifications and Similar Projects						
HDR Project Management and Delivery Team Lead	 15-year history working with the Authority on water supply system Expertise from 10 reservoir projects in Florida Trusted project manager and global experts Benefit to PR³: Skilled leaders, technical experts, and decision-making tools will quickly focus the team's effect on the most viable alternatives; the ones that help make your vision come to life. 						
Hazen and Sawyer Water Optimization, Water Quality, Various Engineering	 One of our industry's leaders in solving drinking water issues for clients Experience with the Authority and complementary capabilities to strengthen overall team and approach Delivered dozens of projects together across FL and many more across the country Benefit to PR³: Water optimization and conveyance system expertise will create a system that protects the water quality and quantity your customers rely on. 						
EarthBalance Wetland Permitting and Mitigation	 Foremost thought leader on wetland mitigation approach for the RV Griffin Reserve Provided similar services for the development of Reservoir #2 Proven partnership on projects, including IRWSP 2020 for the Authority Benefit to PR³: Years of environmental permitting experience and lessons learned during design and permitting of Reservoir #2 will yield solutions to Reservoir #3's mitigation needs. 						
Progressive Water Resources Floodplain Mitigation	 Go-to experts for water resources permitting in southwest Florida with decades of experience in working with SWFWMD on water supply issues Most knowledgeable about the Authority's WUP that makes this project possible Strong partnership on projects together, including the IRWSP 2020 for the Authority Benefit to PR³: Deep knowledge of the site and of regulatory processes to lead efficient floodplain mitigation efforts. 						
Schnabel Engineering Reservoir Support and Value Engineering	 Experience with hundreds of projects, both designing and constructing large dams in FL and around U.S. Soil cement and embankment armoring expertise Trusted partner; we've delivered dam projects together in a variety of capacities Benefit to PR³: Expertise in dam design and construction will be applied to both embankment design and evaluation, as well as value engineering, to develop a cost-effective project that meets dam safety and budget expectations. 						
Hyatt Survey Services Survey	 Local WBE/MBE surveyor that we've worked with on range of project types for many years Experienced with Authority projects Provides full range of surveying and mapping capabilities anticipated for this project Benefit to PR³: Proximity to the PR³ project site and experience providing surveying for the Authority and HDR will result in solid information, quickly gathered, that meets the Authority's requirements and HDR's needs. 						
H2R Corp Materials Testing; Subsurface Investigations and Testing	 SBE with experience on big projects and the ability to mobilize quickly Highly qualified team that has worked on both site characterization and construction projects alike Shared project experiences, most notably C-44 Reservoir Benefit to PR³: Site characterization will be key to this project, as will be local expertise; H2R's partnership with HDR is ideal for delivering a reservoir from concept to completion. 						

Our team's organizational chart is provided on the next page followed by brief resumes for our key team members. As requested, the project manager and deputy project manager's expertise is highlighted in Section 3.



Structured to Deliver

Clear reporting structure and responsibilities will facilitate progress and meeting your 2030 deadline.

MANAGEMENT TEAM

- Primary point of contact: Katie Duty
- Manage project delivery and design tasks
- Lead construction-phase engineering services
- Drive schedule, performance, cost control, and risk management
- Lead quality control and quality assurance through all project phases

TECHNICAL LEADS

- Report to Katie and Richard
- Dedicated leader for each project component
- Lead development of technical concepts through design and construction

TECHNICAL ADVISORY COMMITTEE

- Report to Katie and Richard
- Provide guidance and reviews for technical components
- Optimize interconnected features and delivery, commissioning, and operations system-wide

SUPPORT RESOURCES

- Report to the technical leaders
- Increase efficiency and consistency by contributing across the various project components

INDEPENDENT EXPERT PANEL

- Report to the Authority
- Comprised of renowned, third-party industry leaders
- Advise on an as-needed basis
- Provide objective reviews and bring expertise from other benchmark water authorities



Personnel Experienced in Scope of Work Services

All of our key staff including our project managers are full-time employees of HDR or Hazen and Sawyer (labeled below). Current and projected workloads, and availability for our key staff are detailed in Section 5. Each person's office location is listed on the Key Personnel Form in the appendix for forms and licenses.



Education: MA, Sustainable Development, 2014; BS, Physical Sciences, 2000 Benefit to PR³: Proven expertise at moving Florida water projects through the regulatory processes will keep this project moving forward.



Education: MS, Civil Engineering, 1991 **Benefit to PR³:** Greg helps clients find a balance of risk mitigation and cost maintenance, then delivers on that goal.



Education: MS, Applied Mathematics, 1996 **Benefit to PR³:** Elena's expertise in dam and embankment design will inform durable solutions that function well.

Sherri Swanson PWS, GTA, ENV SP | Env. and Ecology Task Leader

Project Responsibilities and Involvement: Sherri will apply her proactive approach to achieve the needed local, state, and federal permits and mitigation. Work Experience on Similar Projects:

- 20 years coordinating environmental solutions for infrastructure projects, including pipelines and reservoirs throughout Florida
- Acquiring local, state (ERP), and/or federal (Section 10, 404) permits, supported listed species involvement through the FWC, USFWS, and NMFS
- Wetland delineations and mitigation, habitat restoration, wildlife/plant surveys
- Coordinated a multi-county asset inventory on the Authority Pipeline Inventory
- Land management plan for Collier County's North County Regional WTP
- Wetlands, wildlife and construction services in support of C-44 Reservoir and STA Project

Greg Yankey PE | Reservoir Task Leader

Project Responsibilities and Involvement: Having designed and delivered reservoirs up to 800-BG, you can trust Greg to lead the planning, design, and construction. **Work Experience on Similar Projects:**

- Engineer of record on the 800-BG Turkey Peak earthen dam and reservoir
- Dam safety and water supply studies per Florida state regulations, delivering three Florida reservoir projects with Katie and Richard: the Grove Land Reservoir, Highlands County, and the C-44 Reservoir and STA Project
- Practiced at isolating construction sites while maintaining reservoir operation
- Skilled with reservoir construction oversight, knowing which construction methodologies and practices are essential to the structure's long-term integrity

Elena Sossenkina PE | Risk Assessment and Mitigation

Project Responsibilities and Involvement: Elena will lead the development of the embankment design, focusing her dam and levee expertise to provide solutions that are customized for the site.

Work Experience on Similar Projects:

- 14 years of geotechnical investigations, risk assessment, dam safety, slope stability and seepage analyses, and embankment construction
- Currently serving on USSD levee safety committee, ASCE dam instrumentation committee, and FERC committee for development of Risk Informed Decision Making framework for FERC-regulated projects
- Key team member on the Oroville Dam Emergency Response and C-44 Project
- Lead risk analysis engineer on 25-foot-high earthen embankment perimeter levees ranging in size up to 200,000 acres in plan for a chemical company (TX)
- Lead geotechnical engineer on reconstruction of the earthen Rose Hill Dam (SD)



Education: ME, Env. Eng., 2011; BS, Env. Eng., 2010

Benefit to PR³: Ryan will verify the additional hydraulic infrastructure and seamlessly incorporate it into your system to add flexibility to operations.



Education: BS, Civil Engineering, 2000 Benefit to PR³: Matt will help you find the right balance of O&M demands, resiliency/ redundancy, and cost/schedule.

Ryan Messer PE | Hydraulics/Conveyance Task Leader

Project Responsibilities and Involvement: Ryan is very familiar with your system, having recently led your IRWSP 2020. This experience equips him with the skills to deliver a resilient, robust conveyance system that makes the most of your existing infrastructure.

Work Experience on Similar Projects:

- Planning, modeling, designing, and inspecting pump station and conveyance systems, and eight years working with the Authority
- Knows your system's capabilities from pressurized system hydraulic modeling and combined gravity/pressurized flow hydraulic modeling
- Managed your River Intake Pump Station Special Inspection
- Engineer-of-record on your Raw Water ASR PS Desktop and Pilot Study
- Led 84-MGD vertical turbine pump station project

Matt Shultz PE | Pump Station and Intake Engineer

Project Responsibilities and Involvement: Matt will apply his experience leading the delivery of 40 pump stations to provide solutions for both the intake pump station and the reservoir pump station.

Work Experience on Similar Projects:

- Leads HDR's Pump Stations and Pipelines Group in the South Atlantic Area
- Planning, design or project management of more than 40 pump stations that range in size to over 100 MGD and more than 1,000,000 linear feet of installed pipe
- Technical advisor for raw water intake, pump station, and raw water transmission pipelines for the Yadkin River Water Supply Project (reference project)
- Led the Raw Water Supply Program for Town of Cary (NC): expansion of intake, pump station and raw water pipeline to double system capacity to 82 MGD



Hazen

Education: PhD, Env. Eng., 2015; ME, Env. Eng., 2012; BS, Env. Eng., 2009

Benefit to PR³: Continuity from the Water Quality Master Plan to the PR³ design will help focus the team's efforts and get us to practical solutions quickly.

Stephanie Ishii PHD, PE, ENV SP | Water Optimization

Project Responsibilities and Involvement: Assessing current and future provision of high-quality water throughout your system on the Water Quality Master Plan 2020, Stephanie will continue her focus on source water quality/variability and optimization of stored water quality.

Work Experience on Similar Projects:

- Specializes in systems-level evaluations of water supply, treatment, and effluent management options in which multi-criteria decision analysis is leveraged
- Developed tools for Water Research Foundation to evaluate water-supply options
- Key staff on your Water Quality Master Plan 2020
- Water Hazard Analysis and Critical Control Point Evaluation for Surface Water Supplies for a Central Florida water provider
- Knoxville Utilities Board Mark B. Whitaker Source Water Study



Education: ME, Civil Engineering, 1985; BS, Marine Engineering, 1978 **Benefit to PR³:** Tom will address conditions in the field to maintain project quality, protect existing facilities, and control costs.



Education: PhD, Env. Eng., 2011; ME, Env. Eng., 2004; BS, Env. Eng., 2001 Benefit to PR³: Chance will verify that design decisions bring the best solutions to the Authority.



Education: MS, Water Resource Engineering, 1988; BS, Civil Engineering, 1980

Benefit to PR³: Blaine's expertise in water supply planning will facilitate the development of the right solutions during siting and feasibility.

Tom Haid PE, CCM | Construction Management Task Leader

Project Responsibilities and Involvement: A professional engineer and a certified construction manager with 42 years of experience in managing construction projects, Tom will oversee the team's construction and inspection efforts. **Work Experience on Similar Projects:**

- HDR's technical leader for water construction
- Decades building reservoirs and major civil works projects with the USACE and municipal clients
- C-44 Reservoir and STA Project (constructability reviewer)
- \$414M San Vicente Dam Raise (construction manager) and \$2B Eastside Reservoir Project (project engineer)
- Integrates new facilities into operating systems, as demonstrated by a \$198M 360-MGD headworks project and a \$500M 250-MGD headworks project

Chance Lauderdale PHD, PE | Technical Advisory Committee Leader

Project Responsibilities and Involvement: Chance will apply his years of leading water supply and treatment projects to leverage and apply the team's expertise and think holistically about the facility's interconnected features.

Work Experience on Similar Projects:

- 16 years of planning, design, and operation of water supply systems
- Nationally recognized water quality/treatment expert, leading nine Water Research Foundation projects; specializing in emerging contaminants, treatment optimization, and utility operations guidance
- Providing technical advisory support on water quality and treatability on our Yadkin River Water Supply Project (reference project)
- System knowledge through the IWSMP 2020 and Alum Study

Blaine Dwyer PE, ENV SP | Reservoir and Water Planning Technical Advisor

Project Responsibilities and Involvement: As Director of Water Supply Management for HDR, Blaine will help the team identify and weigh alternative configurations--assessing operational, environmental, financial, and other factors to produce practical and defensible assessments on which to base your decisions. **Work Experience on Similar Projects:**

- Led the water resources assessments on EISs for several of the most complex new water storage projects in the U.S.
- Provides leading-edge assessments of the potential effects of climate change and natural disasters on water availability for consumptive and non-consumptive uses including Irvine Ranch Water District's Water Reliability Study (CA)
- Identified projects and processes for the South Platte Basin Implementation Plan (CO) to meet the bulk of Colorado's water demands through 2050
- Past Chair and current member, U.S. Society on Dams Environment Committee and current U.S. delegate to the International Commission on Large Dams Environment Committee



2 Consultant Experience on Similar Projects

Minimum Requirements Addressed (RFQ Page 5): 7. Projects 12. List of Clients



Consultant Experience on Similar Projects

Following is a small sampling of our team's experience on similar projects. This team brings the expertise needed to acquire the necessary permits and deliver a cost-effective, resilient system expansion.



Reference forms for three public-entity clients—complete with contact information—are located in the Forms and Licenses tab. Please contact the clients listed on our reference forms to find out more about our work performance on similar projects:



FSS

Rea. Item

C-44 Reservoir and STA Project SFWMD & USACE, FL



Under Katie Duty's leadership, HDR worked with the SFWMD, USACE, and Troup Indiantown Water Control District (TIWCD) to plan, design, and oversee construction of this \$500M reservoir and supporting facilities that serve **multiple Florida stakeholders and regulatory agencies.**

Project components include: a

10-mile-long, 16.5-BG high hazard earthen embankment dam; 710-MGD pump station; 6,300 acres of stormwater treatment areas; 38 miles of canals; and 60+ water control structures on a 12,000-acre site.

Our role included site evaluations, development of basis of design (BOD), permitting, detailed design plans and specifications, and construction phase services.

Site Evaluations. We performed geotechnical site investigations consisting of more than 250 STPs, 110 auger borings, 58 test pits, 27 monitoring wells, and three aquifer performance test wells. These site **investigations helped inform important decisions during design** such as suitability of on-site soils

necessary for construction.

Mitigation and Permitting.

Regulatory requirements were carefully considered, including Section 404 permit, SFWMD ERP, wetland mitigation, threatened and endangered species, FAA approval, and other local permitting. **Key regulatory accomplishments include:**

- Onsite mitigation of wetlands
- Construction constraints to protect threatened and endangered species identified on site
- Design of perimeter drainage canals to compensate for offsite flows disrupted by construction

Feasibility and Planning. A

Potential Failure Modes Analysis was performed to identify seepage, stability and armoring systems, which led to key recommendations for foundation drainage and seepage control measures, soil cement armoring stability, soil cement mix designs, and settlement of a compressible foundation layer.

Design. One of the components designed was a 21,000-square-foot, concrete, three-story pump station building with four three-phase,

Relevance to PR³: Will bring experience delivering similar components to meet the region's growing needs.

Same Staff: Duty, LeBlanc, Yankey, Ray, Swanson, Colchado, Rodriguez, Sossenkina, Echeverry, Nguyen, Bass, Ferguson, Osmun, Genduso, Burton, Haid, Blackwell, Beduhn, Charlton, Forest, Allen, Dixon, Zimmerman, McMahon, Shoebotham, Andrew

Budget: \$500M

Completed: est. 2021

- Planned
- Designed
- Constructed reservoir ongoing, est. 2021

high-head lift, 177-MGD pumps and associated engines, equipment, and controls to be operated locally and remotely with four 78-inch pipes that discharge into the reservoir. Another 26-MGD pump station was also designed to provide water to the local irrigation district.

Construction. During construction of this water management facility, we performed construction phase services, reviewing and responding to 3,000+ submittals and RFIs, providing frequent observation reports, and providing guidance to both the SFWMD and USACE on construction-related issues on a real-time basis.

Results. This project is currently in the final construction phase and will go into full operations in early 2021.



PR³ project team members – Erin Hunt, Katie Duty, and Sue Ray – attended Governor DeSantis' recent startup of a C-44 stormwater treatment area.

Yadkin River Water Supply Union County, NC



This project is an effort by Union County to meet the growing demand for water in the service area ahead of the projected 28-MGD shortfall by 2050. Thus, the County has been working on a long-term sustainable water supply for their current and future customers.

Owner's Agent

HDR is serving as Owner's Agent for the \$285M river water supply expansion. We supported the County through their project delivery alternatives analysis. Union County decided to employ progressive designbuild delivery to construct a pump station and intake, 30 miles of new raw water transmission line, a new 12-MGD water treatment facility, and 10 miles of finished water pipeline.

Today, the project is near 60% design. HDR's services included coordinating with the design-builders to define key design standards and equipment preferences, weighing in on engineering decisions, such as the proposed treatment approach and equipment selection, and review of the designbuild teams' construction documents to make certain the County gets the best deliverable for their needs.

HDR responsibilities include:

- Determine project packaging and delivery methods
- Public outreach and communication
- Develop design guidelines, templates, and standards
- Develop opinions of probable construction costs (OPCCs)
- Develop RFPs/RFQs and manage the selection process for designbuild (D-B) teams
- Assist with development of agreements for D-B teams
- Assist with negotiation of guaranteed maximum price (GMP)
- Monitor and administer
 construction contract
- Provide value engineering services
- Coordinate quality construction and startup

Permitting & Preliminary Engineering

HDR conducted environmental surveys along the pipeline and at the intake/ pump station and water treatment plant sites, including evaluation of threatened and endangered species, wetland delineation, cultural resources, **Relevance to PR³:** HDR and Hazen collaboration; water supply; secured permitting for similar scope; preliminary engineering; oversight through design, construction, and startup

Same Staff: Shultz, Lauderdale, McPherson, Black, Jones, D'Adamo, Blackwell, Brimmer, Jackson, Farmer

Budget: \$285M

Completed: est. 2020

- **V** Planned
- Designed

Constructed

and historical landmarks. Other services include:

- Acquired Section 401, 404 permits
- Secured a Preliminary
 Jurisdictional Determination
- IBT and FERC permit coordination
- Development of environmental documents (EIS)
- Basin-wide water quantity
 modeling assessment
- Water quality analysis for intake optimization and treatment
- Financial analysis of alternatives

Current services include providing ongoing strategic communications, acquiring land for over 360 easements, verifying the project remains on schedule, and evaluating and updating timing of capital outlay.

HDR and Hazen are jointly assisting with this river water supply infrastructure expansion; HDR as the owner's agent and Hazen leading a portion of the design. Ten of our proposed staff members are collaborating on this project and will bring established working relationships.

California State Water Project Dam Safety Engineering Services Department of Water Resources, CA



The SWP is a water storage and delivery system of reservoirs, aqueducts, power plants, and pumping plants extending more than 700 miles—two-thirds the length of California. Since 2014, HDR has served as the lead consulting engineer on the SWP and provided a total of \$101 million in contract value for the evaluation, analysis, and inspection of structures.

Full-Service Team

Principal work provided by our team has been related to dam safety risk evaluations, and engineering analysis and design of SWP facilities. Work activities have also included flood damage reduction engineering and other engineering services including hydrologic and hydraulic studies, structural analysis and design, geotechnical engineering, geology analysis and design, electrical/ mechanical design and analysis, and planning/feasibility analysis. We coordinated extensively with the Division of Safety of Dams (DSOD) and helped DWR meet DSOD and Federal Energy Regulatory Commission requirements.

DWR turned to HDR when they had a crisis to solve. We provided 150-plus staff to help respond to the Oroville Dam Spillway failure in 2017. At 770 feet, Oroville Dam is the tallest earth-fill dam in the U.S. and forms Oroville Lake with a capacity of 3.5 million acre-feet. **We provided inspection, monitoring, design, engineering during construction, and construction management services with DWR staff, as well as other consultants and contractors.**

We have worked on nearly all SWP facilities, including:

Relevance to PR³: HDR's approach to bring the right solutions through owner partnership has made us a trusted consultant during standard and emergency situations

Same Staff: Yankey, Sossenkina, Blackwell, Ferguson, Beduhn, Jones, Zapel, Osumn, Charlton

Budget: \$101M fees; \$1.7B program

Completed: Ongoing

- V Planned
- Designed
- Constructed
- Edmonston Pumping Plant East and West Discharge Pipes
- Oroville Dam Air Tunnel
- CCF Radial Gates
- Pyramid Dam Spillway
- Devil Canyon Power Plant
 Penstocks No. 1 and 2
- Oroville Dam Spillway Emergency
- Oroville Radial Gates
 Emergency Inspections
- Thermalito Diversion Dam Radial Gate Emergency
- Cedar Springs Dam Spillway and Stream Release Tunnel
- Castaic Dam Spillway and Stream Release
- Peace Valley Intake
 Embankment Settlement



More than 150 HDR staff provided emergency response services for the tallest earth-fill dam in the U.S.—the Oroville Dam—when its spillway experienced a catastrophic failure.

aff Involvement

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Phase Engineering

surface Investigations

nning

veys & Mitigation

acity Studies

Project Matrix

Our proposed staff worked on each of the projects listed below. We bring expertise in all the scope items from the scope of services specified in the RFQ.

hund projects with detailed descriptions are shaded

Featured projects with detailed descriptions are shaded.				Ecological Sur	Permitting	Geotech, Subs	Operational P	Engineering	gn	ing	Construction-	CM and Inspe	Proposed St
Project Client	Metrics	Florida	Siting and Cal	Ecol	Pern	Geo	Ope	Engi	Design	Bidding	Cons	S	Pro
Reservoirs													
C-44 Reservoir SFWMD and USACE, FL	16.5 BG	•	•	•	•	•	•	•	•	•	•		•
California State Water Project Dam Safety Eng. Services Department of Water Resources, CA	\$101 million fees; \$1.7B			•	•	•	•	•	•	•	•	•	•
Grove Land Reservoir and STA Owner's Representative Grove Land Utilities, FL	26-BG	•	•	•	•	•	•	•	•				•
Turkey Peak Reservoir Palo Pinto County Municipal Water District, TX	100-foot-high earthen dam; \$150M			•	•	•	•	•	•	•	•		•
Sacramento Area Flood Control multiple, CA	\$1B		•	•	•	•	•	•	•	•	•	•	•
Res. #2 Design, VE Reviews the Authority, FL	6.5 BG	•			•	•		•	•	•			•
Upper Peace River Res. Eval. SWFMWD, FL	5 BG to 8 BG	•	•	•		•	•	•					•
2018 Structure & Dam Insp. SWFWMD, FL	2.7 BG	•				•	•	•				•	•
Ragged Mountain Dam Rivanna Water and Sewer Authority, VA	1.5 BG		•		•	•		•	•	•	•	•	•
Hard Labor Creek Regional Reservoir Walton Co. Water and Sewerage Authority, GA	1,370 acres		•		•	•		•	•	•	•	•	•
Feather River West Levee Prog. SBFCA, CA	\$500M			•	•	•	•	•	•	•			•
Centennial Dam Nevada Irrigation District	\$350M			•	•		•	•	•	•			•
Anderson Dam Seismic Retrofit SCVWD	\$400M			•	•	•	•	•	•	•			•
Cobbs Creek Dam, River Intake, PS and Pipe for Regional Reservoir Henrico Co., VA	14.8 BG		•			•		•	•	•	•	•	•
Hydraulics and Conveyance													
C-44 Pump Station SFWMD and USACE, FL	710-MGD	•	•	•	•	•	•	•	•	•	•		•
Yadkin River Water Supply Union Co., NC	30-mile pipe; \$285M		•	•	•	•	•	•	•	•	•	•	•
WTP, Raw Water PS Imp. City of Danville, KY	36-inch main		•	•	•	•	•	•	•	•	•		•
Alafia River Intake Project Riverview, FL	\$500k	•	•	•	•	•	•		•				•
Operations Support Tool NYCDEP, NY	\$7.2M						•	•					•
Raw Water Pipeline City of Cary, NC	42- to 54-inch main		•	•	•	•	•	•	•	•	•		•
Red Top Raw Water Main Chesapeake, VA	36-inch main		•	•	•	•	•	•	•	•	•	•	•
Shell Point Road Water Main Hillsboro Co., FL	\$2.1M	•		•	•	•	•	•	•	•	•	•	•
US 41 Utility Relocation Charlotte Co. Util., FL	\$5.7M	•	•		•		•	•	•	•	•	•	•
Water Main Replacement Hillsborough Co. FL	\$1.24M	•		•	•	•	•	•	•	•	•	•	•
Integrated Pipeline Tarrant Regional WD, TX	21-mile, 84-inch pipe						•	•	•	•	•		•
Water Program Mgmt City of Santa Cruz, CA	\$380M			•	•		•	•	•	•	•	•	•
Water Sys. Impr. Program Peninsula Region CM SFPUC, CA\$800M					٠	•	•	•	•	•	•	•	•

FSS

Environment and Ecology

HDR is a national leader in helping our clients manage environmental and regulatory considerations. **Ranked No. 4 in environmental science by ENR,** we have assisted with obtaining the permits and approvals required for river intakes—including state Environmental Resource Permits and USACE Section 404 permits—and providing floodplain mitigation and water use permit coordination. Our proposed task leader has extensive Florida experience including navigating the challenges of mitigating for wetland impacts on a state-owned wildlife management area.

Our expertise is augmented by our teaming partner EarthBalance, which brings 30 years of Florida consulting experience including assessment of the PR³ project's wetland mitigation requirements and options.

Myakka River Regional Offsite Mitigation Area

Sarasota County, FL

- Developed a 72-acre regional offsite mitigation area (ROMA) to support a variety of Sarasota County projects
- Secured local, state, and federal permitting for property on the upper tidal reach of a state wild and scenic river
- Parcel satisfied wetland, stormwater, and mesic hammock mitigation requirements for the adjacent EIC road project
- Third of three ROMAs secured by our Environmental Task Lead Sherri Swanson

Environmental Solutions for Reservoir #2

the Authority, FL

- Same project site: the RV Griffin Reserve
- Analyzed three mitigation options
- Novel approach to permitting the reservoir bifurcated the mitigation and reservoir permits, thereby removing mitigation from the critical path
- Consultant for both mitigation and construction impacts, which facilitated coordination between the two permitting pathways
- Expedited mitigation delivery, which involved placement of 95 structures

Manatee County Permitting for 44th Ave

Manatee County, FL

- Delineated wetlands, wildlife evaluations, state (SWFWMD ERP)/federal (USACE Section 404) permits, developed exotic species management plan and native landscaping pallet
- Designed/permitted offsite and onsite forested mitigation areas
- Coordinated with county land managers to identify an offsite mitigation parcel for acquisition along the Braden River and negotiated and acquired permits
- Mitigation included exotic removal, native plantings, restoration along the river, and coordination for public access
- · Provided oversight during construction of the mitigation sites



Benefit to PR³: Proven ability to secure local, state, and federal permits in Sarasota County.

Same Staff: Swanson

Budget: \$150,000 (fee)

Completed: 2010

■ Planned ■ Designed ■ Constructed

Benefit to PR³: Deep knowledge of the site will inform the alternatives analysis and selection of practical recommendations.

Same Staff: Laroque

Budget: \$2M (const.) \$1.5M (fee)

Completed 2007

■ Planned ■ Designed ■ Constructed

Benefit to PR³: Proven ability to acquire needed permits and approvals while maintaining schedule and budget.

Same Staff: Swanson

Budget: \$25.5M (const.) \$420,000 (fee)

Completed: 2015

■ Planned ■ Designed ■ Constructed

Reservoirs

HDR is a recognized industry leader in dams and reservoir expertise, as reflected in our continuous ranking among the Top 3 in the nation by ENR. **When the largest earthen dam structure in the world, the Oroville Dam, failed, the Department of Watershed Management turned to our experts for emergency response** of the 770-foot-tall structure that threatened thousands in northern California (page 2-04).

Our project leadership team has significant reservoir design and construction experience. This expertise is complemented by Schnabel Engineering, a frequent teaming partner whose staff has delivered 500-plus dam projects. Our team is well equipped to advance a design that is permittable, functional, and durable.

Grove Land Reservoir and STA Designer and Owner's Representative Grove Land Utilities LLC, FL

- HDR is the Owner's Engineer and Hazen is leading the design
- Water-quality improvement, stormwater impoundment, and raw water supply
- 26-BG above-ground reservoir and 2,000-acre stormwater treatment area
- 450-MGD stormwater intake with five vertical pumps and intake screen
- Developing 30% design and applying for CUP and ERP permits
- Hydrologic, water supply, and water quality modeling support the design

Turkey Peak Reservoir, Lake Palo Pinto Storage

Restoration Palo Pinto County Municipal Water District 1, TX

- 100-foot-high earthen embankment dam with RCC erosion protection
- Services include feasibility study, preliminary design, final design, constructionphase engineering, and construction management
- High-hazard dam with 800-BG reservoir
- Adhered to current dam safety program rules and requirements
- Design approach to site suitability and construction materials similar to the PR³ project

Sacramento Area Flood Control Projects

Multiple Agencies, CA

- 10 years of providing dam and levee engineering services to protect 2.3 million people
- Multiple owners: four local agencies and the USACE
- Acquired permits even with the presence of T&E species due to strategic timing of activities to minimize impacts and the design of adjacent mitigation areas
- Extensive subsurface characterization (more than 1,000 explorations) informed seepage mitigation methods including cutoff walls, seepage berms, levee slope flattening, and relief wells
- Phasing was key to project delivery due to a limited levee construction season, environmental impact restrictions due to sensitive species, and adjacent community considerations



Benefit to PR³: Combined experience working together to design and permit a new reservoir and pump station project.

Same Staff: Duty, LeBlanc, Yankey,

Swanson, Ray, Colchado

Budget: \$700M (const.) \$6.5M (fees)

Completed: est. 2020 (prelim. design)

✓ Planned □ Designed □ Constructed

Benefit to PR³: Reservoir Task Lead's experience designing large earthen dam structures will inform the design of PR³.

Same Staff: Yankey (Engineer of Record), Ferguson, Zapel, Jones

Budget: \$150M

Completed: est. 2022

Planned Designed Constructed Ongoing est. 2022

Benefit to PR³: Environmental and construction permits, embankment design, construction phase services, cutoff walls, and pumping stations.

Same Staff: Duty, LeBlanc, Colchado, Zapel, Sossenkina, Beduhn

Budget: \$1B (construction) \$93M (fee)

Completed: 2017

✓ Planned ▲ Designed ▲ Constructed

FC

Hydraulics and Conveyance

Ranked No. 8 in water transmission lines and aqueducts by ENR, **HDR has delivered hundreds of intakes, water supply pipelines up to 144 inches in diameter, and pump stations up to 580 MGD**. Our Hydraulics/ Conveyance Task Lead (Ryan Messer) will apply his in-depth knowledge of your system to find right-sized, resilient solutions for an integrated system. He is partnered with our pump station engineer and intake engineer who have supported the permitting, design, and construction of surface water intakes and pumping systems throughout the nation.



WTP and Raw Water Pump Station Improvements

City of Danville, KY

- Delivered major improvements to an 85-year-old intake facility and raw water pump station including replacement of three raw-water pumps and valving appurtenances
- Added a multi-level draw off the deep Lake Herrington to take advantage of water quality benefits
- Installed a parallel, 36-inch discharge main and interconnecting valves to enable more resilient feed
- Employed new surge-mitigation measures to mitigate transient events
- Provided bulk chemical feed and metering facilities for multiple preoxidants

Alafia River Intake Project

Riverview, FL

- Evaluation and modeling of tidal-fresh river zone influences on intake siting
- Established the withdrawal schedule from the river for a Water Use Permit
- Led detailed siting analysis of river intake focused on maximizing potential withdrawals, optimizing water quality and minimizing construction costs and environmental impacts
- Evaluated potential environmental impacts to water quality, river stage, and the natural environment including freshwater and estuarine systems
- Developed preliminary design of the preferred intake configuration and used to acquire environmental resource permits

Operations Support Tool (OST)

New York City Department of Environmental Protection, NY

- Hazen and Sawyer led development of the OST to manage DEP's 19-reservoir, 2,000-square-mile watershed system that supplies 1 BGD to the city
- Incorporates real-time data, hydrologic forecasting, and predictive modeling
- NYCDEP staff use the OST daily to balance complex water supply goals, including identifying future water stress conditions, results of what-if scenarios on water supply, and simulation of water quality based on different operating scenarios
- Described by the National Academy of Sciences as "one of the most advanced and complex support tools for water supply operations of its kind in the world"

Benefit to PR³: Proposed intake engineer is proven able to solve complex hydraulics, improve raw water intake system operations, and increase resiliency.

Same Staff: McPherson, D'Adamo

Budget: \$2M

Completed: 2018

■ Planned ■ Designed ■ Constructed

Benefit to PR³: Siting, permitting and preliminary design of Central Florida river intake with tidal influences.

Same Staff: Hunt

Budget: \$500,000 (fees)

Completed: 2002

✓ Planned □ Designed □ Constructed

Benefit to PR³: International-level water supply management skills will help this system meet the Authority's water quality and quantity goals.

Same Staff: Knight

Budget: \$7.2M (project total value)

Completed: 2016

▼Planned ▼Designed ■ Constructed



Construction Management

HDR's more than 600 construction services employees shape our communities by helping build smart infrastructure. Our skilled, professional team members become your on-site representatives; providing superior leadership to mitigate your risk and meet your goals.

Our proposed Construction Management Task Leader Tom Haid's experience on the \$414M San Vicente Dam Raise and the \$2B Eastside Reservoir Projects demonstrates his ability to support clients with delivery of large reservoir construction projects on time and on schedule.



Benefit to PR³: Experienced leadership in dam construction brings proven practices.

Same Staff: Haid (personal experience)

Budget: \$416M

Completed: 2012

□ Planned □ Designed ▼Constructed

Benefit to PR³: Skills with reservoir and conveyance construction mangement will maintain system operations during construction.

Same Staff: Sossenkina

Budget: \$380M

Completed: Ongoing

■ Planned ■ Designed ■ Constructed ongoing

Benefit to PR³: CM experience on similar components will result in effective leadership.

Same Staff: Bass, Landis

Budget: \$23.2M

Completed: est. 2021

■ Planned ■ Designed □ Constructed est. 2021



San Vicente Dam Raise

San Diego County Water Authority, CA

- Construction manager for Ph 2 (excavation), Ph 3 (dam raise) \$416M project
- 220-foot-high dam was raised an additional 117 feet, the largest dam raise of its kind in the world
- Responsible for onsite daily performance of construction management team
- Developed/implemented policies and procedures: construction contract administration, performance reporting (cost/schedule), quality control (materials) and quality assurance, progress payments, document control, change order/claim analysis, commissioning, and project acceptance/close-out
- Prepared independent cost estimates and assisted client's construction manager with negotiation of change orders with the contractor

Water Program Management

City of Santa Cruz Water Department, CA

- Leading program services for \$380M program including construction management procedures
- Construction management activities included preparation of overall construction management strategy, and compiling and establishing CM guidelines that identify policies and procedures for all work packages
- Led value engineering study of Newell Creek Dam Inlet/Outlet design
- Oversaw Coast Pumping Station/Pipeline Repair project including design progress, and reviewing plans and specifications

Cobbs Creek Dam, River Intake, Pump Station and Pipeline for the New Regional Water Supply Reservoir

Henrico County, VA

- Providing full-service construction inspection services and Q/A testing on 160-foot-high, 4,750-foot-long primary zoned-embankment dam, foundation grout curtain and slurry wall, 160-foot-high reinforced concrete inlet/outlet tower, principal spillway, and two saddle dikes for the 1,100-acre reservoir
- Providing geotechnical geotechnical consultation for the pump station and James River Intake





Project Manager Qualifications and Experience

Minimum Requirements Addressed (RFQ Page 5): 5. Project Manager



03



Project Manager Qualifications and Experience

The PR³ project will set the path for the ultimate construction of your Reservoir #3. A contract of this importance requires leadership that can simultaneously focus on both the big-picture goals and project details, that has proven experience delivering well-functioning water infrastructure in Florida, and that knows how to collaborate with you to identify the path that best meets your vision of a resilient water supply. **This is that leadership team.**

Katie Duty and Richard LeBlanc have led 10 projects together, including projects for the Authority. Their joint experience includes the same storage and conveyance components that will be designed and built as part of this contract. In addition to being project managers, they are talented civil engineers who, through years of practicing in Florida, are efficient with designing to local soils conditions, working with regulatory agencies, and overcoming challenges of building major civil works projects in Florida's environment. Working as a seamless team, Richard will manage the day-to-day operations of the team and design development, leaving Katie free to focus on the big-picture efforts like maintaining alignment with your vision and meeting funding requirements.

Projects like those featured below demonstrate their skill with the difficult part of reservoir design: tying the reservoir to the project site.

- Reservoir #2 bank stabilization projects for the Authority
- C-44 Reservoir and STA Project
- Above-Ground Impoundment for Istokpoga Marsh Watershed Improvement District
- Grove Land Reservoir and STA Project
- Five projects for Wetland Reserve Program Natural Resources Conservation Service
- Five projects for SWFWMD

Division of Responsibilities

Katie will:

- Be your accountable point of contact
- Drive overall delivery to produce quality products on time and within budget throughout each project phase

52

- Facilitate **decision making**, working collaboratively with the Authority
- Guide the project direction to support the Authority's long-term goals, including development of a resilient water supply
- Partner with the Authority to secure and maintain cooperative funding
- Support the Authority in effective stakeholder communication and collaboration

Richard will:

- **Coordinate our team's efforts** to provide efficient progress
- Drive the development of complete, coordinated deliverables for clear understanding of decisions to be made and for competitive bid prices
- Keep an eye on the project details to deliver an integrated facility expansion that minimizes operations and maintenance efforts and ties efficiently to your existing facilities
- Lead the **engineering during construction** services to verify that the design intent is realized



This trusted leadership team will deliver. Katie and Richard have led 10 projects together, delivering each one on time and within budget.



Katie Duty PE

Project Manager

EDUCATION BEng, Civil Engineering, Stevens Institute of Technology, 2003

As Project Manager, Katie will be your main point of contact

and will guide the team's performance. She is skilled at leading large, multidiscipline teams to deliver practical, integrated solutions. This includes leading projects with multiple owners and stakeholders throughout all phases of project development, from feasibility through design, permitting, construction and operations. Two examples are the **\$500M C-44 Reservoir and STA Project** and the Grove Land Reservoir Project. Her water facilities experience covers all the components of this project for clients throughout Florida. She knows how to deliver resilient projects built with our soils, in our local regulatory process. She also has delivered projects that involved state legislature or SWFWMD funding, so she **understands the commitment to budgets and cost estimates as well as progress and reporting requirements needed to protect funding.**

The scale of reservoir that the Authority is considering will require the unique expertise that Katie brings in designing the reservoir for your site, making the best use of the materials and foundation conditions you have. She has been a key person since 2005 in the development of the 16.5-BG C-44 Reservoir, working as both a project engineer overseeing site exploration and design analysis, and later managing the project as it advanced through final design and construction phase services. **Katie has been involved in the feasibility, design, review, and construction of most of the large reservoir projects in Florida in the past 20 years.**

Fifteen of her 17 years practicing civil engineering in Florida have included collaborating with the Authority's staff on your projects. These include value engineering reviews during the design of Reservoir #2, condition assessments at your plant and ground storage tanks, repairs to problematic erosion conditions in Reservoir #1, and conceptual siting of Reservoir #3. All of her projects with you have finished with a high degree of satisfaction from the staff involved. With Katie at the helm, you can confidently rely on our team to deliver this important project.

Katie's Stats

More than **76 BG** of storage valued at over **\$1.2 Billion**

in construction of water-capture projects





managed project with 17 diverse stakeholder groups

led development of construction documents with **13** different EORs for a single project

With Katie's proven ability to deliver, you can trust her with this essential project.

"The timely and thorough support provided by Katie and her team from planning through design and construction has allowed this complex project to proceed on schedule, and to achieve the highest level of quality."

Howard "Buff" Searcy Jr., SFWMD



Richard LeBlanc

Deputy Project Manager and Design Manager

EDUCATION BS, Civil Engineering, University of North Florida, 2007

A skilled project manager in his own right, Richard will apply his strong attention to detail and 12 years of experience delivering

projects in Florida to lead the team's development of clear and concise deliverables that assist in the decision-making process, thoroughly work through the design development and evaluations, and garner competitive bids that result in a well-built reservoir and conveyance project.

Richard has designed and managed projects in Florida and around the U.S. that involved all of the components of the PR³ project, so he understands the design, construction, and O&M considerations that drive a successful project.

His project experience includes the Grove Land Reservoir Project where HDR is serving as the owner's engineer and Hazen is the designer – reviewing, guiding and coaching both the client and the design team. His team's efforts include design approach, identifying opportunities to save money or resolve safety concerns, navigating the permitting process with two water management districts, and evaluating whether the project will operate as intended. Similar to the Highlands County above-ground impoundment, Richard will apply his civil engineering experience to address potential seepage, constructability, and O&M concerns while delivering on time and within budget.

Richard's Stats

FJS

More than **53 BG** of storage valued at over **\$931 Million** in construction of water-capture projects

13 years engineering in Florida



Project manager for **\$5.8 Million** of projects delivered on time and on budget

"We are happy to hear HDR is a member of the project team. We have worked with Richard on another large project, and the experience has been great."

Kyle Green, Highlands County BCC

Continued Commitment to the Authority

"As one of HDR's first project managers for the Authority, I am invested in the successful implementation of this project and your long-range plan. We are **dedicating two of our most proven project managers, Katie Duty and Richard LeBlanc, to this project.** Both have a history of implementing integrated water supply projects in Florida and are known for their effective communication and dedication to serving our clients. They have a track record of working together and are backed by the full force of our collective team's resources to successfully deliver for you."

Erin Hunt, PE, Project Principal for PR³

Examples of Projects Delivered Together

Katie and Richard have delivered 10 projects together, including the C-44 Reservoir and STA Project.

On that \$500 million project, Katie was the project manager during design and contract manager during construction. Richard was the deputy project manager during design and project manager during construction. **This is a proven team that delivers.**



Wetland Reserve Program (Five Reserves)

Natural Resources Conservation Service, FL

- Developed and prepared final Wetland Reserve Plans of Operation for five areas ranging from 290 to 675 acres: Highlands Ranch, Russakis Ranch, Sunrise Sod, and Seventy Grove
- Conducted wetland and wildlife field investigations
- Mapped habitats and existing land issues
- Managed topographic survey and geotechnical investigations
- Developed alternative restoration designs for each site
- Prepared a Habitat Management Plan for the short- and long-term management of each site
- Developed site plans to facilitate permitting through the SFWMD

Katie's Role: Project Principal

Richard's Role: Project Manager



Above-Ground Impoundment Istokpoga Marsh Watershed Improvement District; Highlands County, FL

- Designed above-ground impoundment including pumping station, primary discharge structure, auxiliary spillway, and other site features
- Led testing, geotechnical investigations, analyses, development of construction documents, and opinions of probable construction costs
- Met SFWMD and FDAC funding requirements
- Currently providing both construction management and engineering during construction services for this project, which will be operational by the end of 2019.

Katie's Role: Project Manager - Design, Project Principal - Construction

Richard's Role: Design Manager - Design, Project Manager - Construction



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Reservoir Erosion Protection Projects Peace River Manasota Regional Water Supply Authority; Desoto County, FL

- Addressed erosion issues in Reservoir #1 at the Reservoir #2 discharge, as well as two other locations with bank stabilization problems
- Mobilized global experts and local engineers for highly responsive solutions
- Evaluated multiple options for improving bank stability for suitability, cost and constructability
- Developed design and construction documents
- Bid and construction phase services, including troubleshooting contractor issues during construction
- Have proven solutions that can be incorporated into delivery of Reservoir #3

Katie's Role: Various, Project Engineer, Project Manager, Project Principal

Richard's Role: Project Engineer



Consultant's Project Approach

Minimum Requirements Addressed (RFQ Page 5): 8. Project Approach



Consultant's Project Approach

Our local team has nearly a century of collective experience designing and constructing Florida water supply projects, including reservoirs, pump stations, and conveyance facilities. We bring best practices pertinent to building large dams with Florida soils and permitting water infrastructure with Florida regulatory agencies. **This expertise will construct a multifaceted solution that is optimized, reliable, and adaptable to future conditions.**

Our approach allows our team to partner with the Authority, thoroughly address the technical challenges and integrate quality control methodologies into a technically superior project. Throughout the process, the Authority will have confidence in the direction of the expansion and resilience of future water supply.

Understanding

The Authority has a proven record of providing safe, reliable, and high-quality drinking water supply to its members and customers. Through the Authority's proactive planning efforts, including the ongoing update to the Integrated Regional Water Supply Plan, the Authority has recognized that the water supply demands of the members and customers are projected to exceed capacity by 2030. The Authority's Water Resiliency Assurance Plan (WRAP) identified that at least 15 MGD of additional drinking water treatment capacity could be provided through further expansion of the Peace River Water Treatment Facility.



2010

Reservoir #2 Discharge Erosion Protection -Duty, LeBlanc

2017 Site Master Plan Update

- Duty TTHM Evaluation Study - Dieffenthaller

2018

Peace River Facility SCADA Master Plan - Dieffenthaller

> Peace River Intake PS - CA and Repair Recommendations -Messer

Partially Treated Surface Water ASR Pilot Study -Messer

2020

Aluminum Mngt Study -Messer, Lauderdale, S. Black

Water Quality Master Plan - Dieffenthaller, Ishii

Integrated Regional Water Supply Plan - Duty, LeBlanc, Hunt, Lauderdale, Swanson, Messer, Plemmons, McPherson, Brimmer, Null, Alito, Rodriguez, Laroque, Guida

2007

Reservoir #2 Bid Review - Duty

Permitting Reservoir #2 Impacts with USACE & DEP - Laroque

Permitting Reservoir #2's Mitigation Area with USACE & DEP - Laroque 2016

Partially Treated Surface Water ASR Desktop Study - Messer New Reservoir

Conceptual Siting Study - Duty, LeBlanc

Evaluation of Potential Water Supply Opportunities -Orange Hammock -Guida

2019

50 Year WUP for Peace River Facility Withdrawals - Guida 50 Year WUP for PRF -Annual Report - Guida Reservoir #3 Preliminary Wetland Mitigation Assessment - Laroque

Members of our team have personally worked on PR³-related projects. Our integral knowledge of your system equips us to proactively mitigate potential risks, and generate practical solutions. To meet this future demand, the Authority obtained a new 50-year consumptive use permit for additional river withdrawal. This additional supply enables the PR³ project to be the **next step toward planning, developing, and implementing this needed capacity and improving long-term system reliability.**

The PR³ project must be executed in a manner that maximizes system capacity, enhances water quality, and optimizes overall facility operations. Through our long history of partnering with the Authority, we understand that **it is critical to start with the end in mind**, defining success and key project goals early in the project and then keeping those at the forefront throughout project development and implementation. A few critical factors of success for this project include:

- Water quality and water quantity
- Resiliency and redundancy
- Cost and schedule feasibility

Each success factor will permeate our approach through all PR³ project phases.

Water Quality and Water Quantity A primary objective for the PR³ project is to plan, design, and construct infrastructure to maximize the volume of reliable, high-quality water; optimize economics; and minimize environmental impacts. This driver establishes important criteria that will inform the design, construction, and operation of every major project element. For example:

- A new intake not only provides redundancy and expansion of the existing facility, it also creates an opportunity to optimize withdrawal schedules to increase capture of ideal water supplies and to avoid potentially hazardous events.
- Reservoir design and management strategies that focus on reducing water age and minimizing the impacts of nuisance aquatic organisms can maintain, and may improve, water quality prior to treatment.
- These and other water quality and supply reliability considerations will influence downstream treatment requirements and ultimately reduce operational costs to produce high-quality finished water.

Resiliency and Redundancy

The Authority's goal is to make certain every customer has access to a safe and reliable water supply. Achieving this goal in a sustainable manner requires strong consideration and mitigation of prolonged droughts, wet weather, sea level rise, changing temperatures, natural disasters, anthropogenic hazards, equipment/facility failures, and malevolent acts. We have the experience to define and mitigate each of these issues with every piece of infrastructure incorporated into the Peace River Facility.

Inherent to the success of this resiliency and redundancy focus is designing for operational flexibility. For example: configuring onsite piping, valving, and pumping so that each reservoir can be filled from either intake, and also to allow one reservoir to be taken out of service for planned maintenance while the other reservoirs remain online.

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Cost and Schedule Feasibility

The Authority aims to bring an additional river diversion pumping capacity of 138 MGD, at least 6 BG new reservoir capacity, and all associated conveyance infrastructure online by 2030. This timeline is achievable; however, decisions made early will significantly impact cost and schedule.

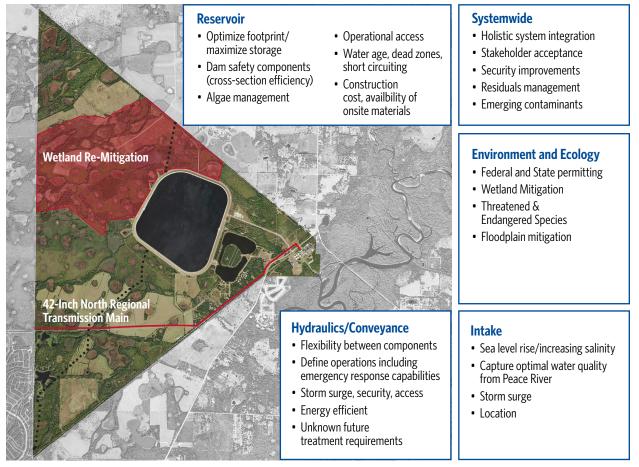
Our collaborative approach with the Authority will identify feasible alternatives that meet your project objectives. Our cost-benefit decision method and parametric design tools facilitate development of a business case and an understanding of the value of a given investment based on capital and life-cycle costs.

Further, we understand the Authority wishes to implement the Project through a series of work order packages aligned to funding requirements. We utilized a similar delivery method to sequence a series of over 20 work orders for the C-44 Reservoir and STA Project (see page 2-02) and will apply that experience to streamline overall PR³ project schedule.

We will leverage our comprehensive understanding of the Authority's system and PR³ project issues (Exhibit 4-1) with our extensive Florida reservoir and conveyance experience to deliver infrastructure improvements that support the Authority's proactive and cost-effective provision of high-quality and reliable drinking water.

Exhibit 4-1 | Issues Map

Our team's first-hand knowledge from leading the Authority's regional master plan and water quality master plan allows us to start the project with momentum. Building upon our understanding of the system intricacies, we will proactively identify and mitigate potential risks.



Project Delivery

Our approach for the PR³ project was developed based on similar experiences and through our work with you. Understanding the key technical and project delivery challenges and considerations, some of which are discussed in this SOQ, equips us to collaboratively partner with you and your key stakeholders. Our proven project delivery approach focuses on:

• **Strong collaboration** among all of our team members and Authority staff. We approach project delivery as a team, and when each team

member is engaged meaningfully, the project is successful.

- Effective communication with established goals, facilitation strategies and documentation to use the Authority's time efficiently and keep strong records.
- Well-defined scopes at each phase so that the Authority and your funding partners have a clear expectation of the work to be done and understand where the budget is being spent as work progresses.
- Orderly document control and records management so that all

Project documents are organized, version control is maintained, and all team members, including Authority staff, have user-friendly access to well-cataloged project files.

- Cost and schedule management utilizing our internal project cost tracking and predicting tools, as well as an MS Project schedule, to maintain a handle on cost and schedule performance through delivery of each phase of the project and on each work order.
- Quality Assurance/Quality Control process will be

comprehensive, proactive, and planned for within each milestone with a committed Quality Manager to oversee the process.

• **Continuity** of project delivery from phase to phase due to our integrated approach and strong depth of project leadership.

This project will evolve through the various phases of delivery. Our project delivery approach will be similar to our efforts on the C-44 Reservoir and STA Project, which were delivered from planning, siting, design, permitting, and construction through a series of over 20 work orders.

Our overarching project delivery approach will be to build from our draft PR³ project schedule (Exhibit 4-2) to more detailed work order-based schedules to manage, deliver, and track work.

How will we...

...consistently deliver a complex project on a work order basis?

Like the C-44 Reservoir and STA Project, this project will be delivered through work orders that align with state funding requirements. We delivered the C-44 project over 15 years through more than 20 work orders, including siting features and planning the work, site characterization, surveying, etc.

Approach:

 For each work order, a detailed scope of work, budget, schedule, and submittals will be developed to clearly define that phase of the project



Katie Duty Project Manager

• Distinct project numbers with tasks under a larger contract number will be opened and tracked to allow for real-time cost and schedule management

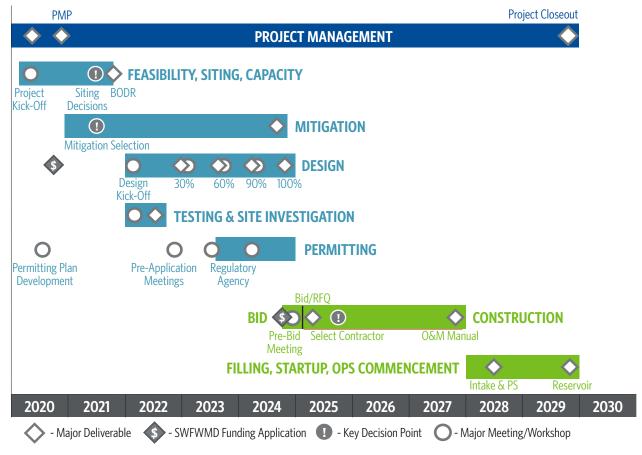
• Project files will be organized similarly on our server so that the project in its entirety can be readily accessed, yet organized by work order and deliverable for more manageable documentation

Benefit to PR³: A proven project team and approach that helps maintain steady progress while holding to a budget.

Proven Performance: C-44 Reservoir and STA Project (p. 2-02)

Exhibit 4-2 | PR³ Project Schedule

This schedule accounts for all stakeholders' milestones including regulatory and cofunding. The schedule will be finalized at the kick-off meeting and serve as the baseline for delivery, aligning all stakeholders early on.



Feasibility, Siting, Capacity

The first phase of the PR³ project will be key to the successful delivery of the entire project by 2030. This phase includes several decisions that need to be made and confirmed to support budget and schedule requirements, along with achieving overall project goals. **Important project decisions include the reservoir footprint to understand mitigation impacts; the intake location; and the hydraulic connectivity of the system between the river, the reservoirs, and the plant.** Our approach of early identification of all potential issues and considerations will generate viable alternatives during this first phase of the project.

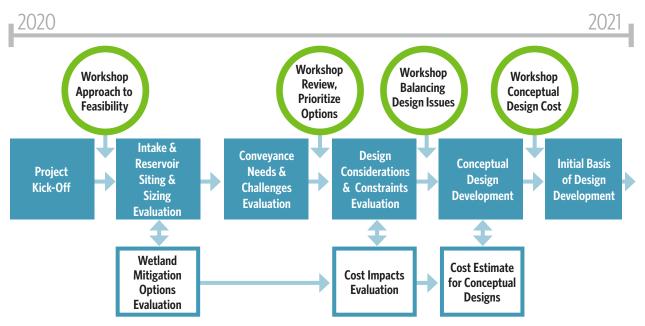


Exhibit 4-3 | Feasibility and Planning Phase

Maximizing Storage Volume

An important aspect of the feasibility phase will be determining how much storage volume can be realized with this project, as maximizing storage capacity is an objective. Recognizing that the potential site for Reservoir #3 is on the RV Griffin Reserve, sizing of the reservoir footprint should consider many factors, including:

- Wetland and offsite seepage impacts
- Existing facilities
- Water quality considerations of storing large volumes of water

Our Approach/Solution: Building

from HDR's Reservoir Conceptual

Siting Study developed in 2016, our approach to sizing the new reservoir will be to identify all of the potential constraints on the site, evaluate the cost of impacting those constraints, and then develop a matrix to balance avoiding those constraints, maximize storage volume, and determine costs of not avoiding the constraints. In addition to the wetlands on the Reserve property, which are discussed further in our approach, constraints considered will include:

 Property boundaries: Minimizing offsite impacts as a result of storing billions of gallons of water on this site will be a key part of the permitting of this project. Seepage control features will be included in the design to reduce seepage losses from the reservoir, but we will also consider logical setbacks from property boundaries and locating the reservoir on the site farther away from neighbors to mitigate against increases in the groundwater table.

• Adjacent properties and existing infrastructure: Reservoir #2 will be adjacent to the new reservoir, and care will be taken not to impact the seepage control and dam safety features of that reservoir as Reservoir #3 is designed and built. Similarly, localized groundwater

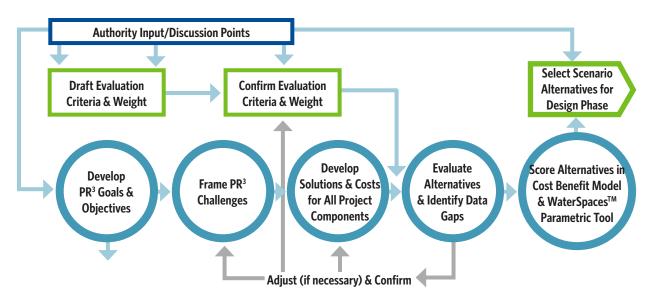


Exhibit 4-4 | Decision Support Framework

We will use our cost-benefit decision model to conduct scenario analyses that allow the Authority to readily see what the future of each project component could look like and understand the cost.

flow and seepage changes will need to be contemplated. Also in the potential footprint or impact zone of Reservoir #3 construction is the 42-inch pipeline running east-west across the southern portion of the reserve that needs to stay operational.

• **Optimal Water Quality:** If not pro-actively addressed during design, large storage volumes can lead to potential challenges with extended water age, short

HDR and Hazen's work on the Grove Land Reservoir and STA Project has balanced costs, storage volume, and offsite impacts to deliver the best value to the owner. circuiting, and algae blooms. These challenges can lead to inconsistent and/or poor influent water quality being delivered to the Peace River Facility, resulting in adverse treatment and finished water quality impacts.

Results/Benefits: Understanding the tradeoffs of maximizing the storage volume while reducing impacts to wetlands, adjacent facilities, and overall water quality will result in the best value of the project, maintaining a lower cost per gallon of stored water, and a finished water quality that continuously meets the needs of customers.

Decision Support

Our tailored systematic approach develops consensus and considers both economic and non-economic factors. Project planning can fall short when identified improvements are not carefully evaluated in terms of site fit, implications for maintenance and operation, and potential future needs. When costs are not fully understood, the effectiveness of decision making can be impacted as well.

Our Approach/Solution: Our

approach to evaluating alternatives uses a cost-benefit decision model that facilitates understanding of the value of a particular project component and the life-cycle costs.

Results/Benefits: Early

understanding and accurate cost estimates are critical to the success of decision making. We will use our in-house tools to conduct scenario analyses so **the Authority can readily see what the future of each project component could look like and how it affects function, permitting, and cost.** This effort will be paired with technical and permitting considerations to provide the Authority with the most sound alternatives to be advanced through design and construction.

Intake and Pump Station Siting

The new river intake location, as well as the siting for associated pump station, will be driven by a number of considerations such as raw water quantity and quality both today and in the future, as well as operational staffing and security. Siting alternatives include adding the new intake and pump station adjacent to the existing infrastructure, or moving the intake farther up river to potentially improve water quality. The pump station could be situated at the river intake or, if the intake is moved up river, could be located closer to the existing facilities to improve access and security.

Our Approach/Solution: Our decision support framework will help us collaborate with the Authority to identify and weigh the factors for siting the new, second intake on a cost/ benefit basis. The location of a new intake for the Authority may influence the amount of water available, the quality of raw water, and the security of the raw water source. Items to consider include: ease of access and maintenance, ability to secure the location, ability to install contamination detection equipment and online WQ instruments (which need power, flow, and access for maintenance), water quality, and water quantity.

Results/Benefits: The key to sustainability of the Authority's existing low-cost treatment and operational efficiency is source control of water withdrawn from the Peace River. For the duration of the water use permit (WUP), the Authority will have access to adequate quantities of high-quality raw water available in a location that is secure and balances ease of operation and costs.

Maximizing Operational Flexibility for all Storage, and Conveyance

When the PR³ project is complete the Authority will have up to 258 MGD river intake pumping capacity and at least 12.5 BG of surface reservoir storage, which at least doubles the capacity of these two major infrastructure pieces. Inadequate planning of the expansion project will limit how and when water can be pulled from the river, moved between reservoirs, paired with the ASR system, and conveyed to the plant for treatment, which could impact water supplies or water quality.

Our Approach/Solution: Optimizing flexibility in moving water in and around the Peace River Facility will start early in the project. Our team will work with Authority staff to understand the current limitations of water conveyance to, from, and between, their facilities. This background on current practice will inform key design considerations to improve operational flexibility and allow for additional redundancy. This approach will maximize existing infrastructure investments, while identifying value-added alternatives to enhance facility operations.

Results/Benefits: Planning for operational flexibility early in design will result in a more comprehensive and integrated storage and conveyance system for Authority staff to provide the best water quality at the most reasonable operational price.

How will we...

...design for reservoir system connectivity to maximize storage operation and maintain existing reservoir integrity?

Approach: We will collaborate with the Authority to implement mitigation factors for surface water quality issues that could diminish the installed reservoir storage volume, whether in the intake pumping, upstream of the reservoirs, or within the reservoir system. We will keep reliability in mind as we:

- Develop system pressurized-flow and gravity-flow hydraulic models to optimize component size
- Configure reservoirs to operate in parallel, in series, or both without penetrating Reservoir #2
- Mitigate potential water quality issues including water age, algae blooms, and nutrients

Results: Seamless incorporation of new PR³ infrastructure into existing system, creating a flexible, reliable, sustainable system.

Benefit to PR³: Flexibility in operation will allow for more efficient maintenance, higher water quality for the Authority's current treatment process, and a sustainable water supply system.

Proven Performance: Yadkin River Water Supply (p. 2-03)

Ryan Messer Conveyance/Hydraulics Lead



FJS

Mitigation

This project requires significant land area, and the likely site for Reservoir #3 sits on a property with both forested and herbaceous wetlands in two different watersheds, as well as floodplain impacts. Notably, on the northern portion of this site are the wetlands that served as mitigation for Reservoir #2. Wetland mitigation will be a major effort for this project with potential impacts to both cost and schedule.

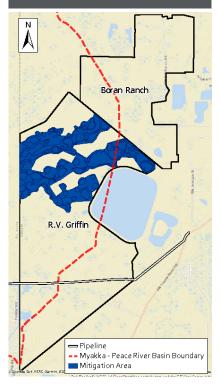
Our Approach/Solution: Our

team's experience permitting Reservoir #2, paired with our understanding of recently enhanced wetland and floodplain mitigation requirements, will allow us to set realistic mitigation cost estimates and optimize the new reservoir location to minimize expenses.

Our team will update and refine the wetland GIS models previously developed for this site, where wetland functional value and type data, cost data, and regulatory boundaries are evaluated for various footprints and locations. We will then be able to estimate the functional values that federal and state agencies will accept in future permitting. Our team also includes some of the best experts in the area for finding reasonable solutions to floodplain impacts from new projects.

We'll focus on minimizing impacts, mitigating for impacts onsite where possible, and getting mitigation credits as early as possible.

Results/Benefits: Wetland and floodplain mitigation can be costly and time intensive for a project, especially if not properly anticipated. Proactive planning and decision making can help **minimize the disruption of mitigation to the PR³ project, resulting in the project being built on schedule and for the best value.** Our team will leverage the tools used to secure local, state, and federal permits—similar to what was done on the Myakka River Regional Offsite Mitigation Area project—to keep PR³ moving forward.





How will we...

...minimize mitigation costs and schedule impacts?

Approach: Based on our experience permitting Reservoir #2, knowledge of current mitigation banking environment, and GIS modeling capabilities, we will develop a model that will optimize Reservoir #3's location with respect to mitigation costs by accounting for variables, including:

- Credit pricing between watersheds
- Potential differences in cumulative functional values of impacted wetlands
- Land costs between using RV Griffin Reserve and private land
- Cost of pipeline or other infrastructure relocation

This complex optimization using GIS models developed by our project team will allow any footprint location to be evaluated for mitigation cost. The GIS modeling developed by members of this team including Amber Halsted will be refined to address factors in the PR³ evaluation.

Results: Reservoir #3 sited to minimize required spending on wetland mitigation or infrastructure relocation.

Benefit to PR³: Optimize mitigation variables and site constraints to streamline permitting to maximize your ROI **Proven Performance:** Feasibility Study for Authority's Reservoir #2 in 2003



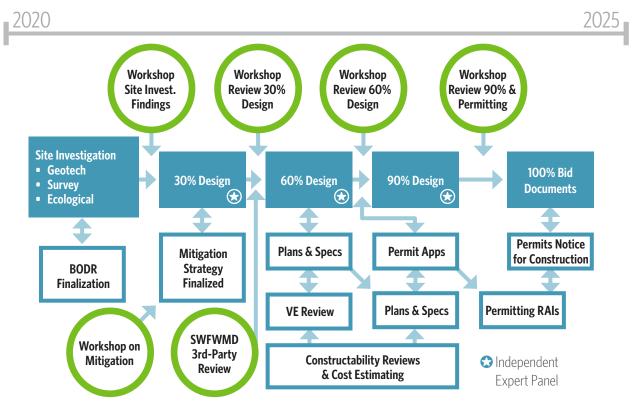
Environment and Ecology Task Lead

Design

There are numerous challenges to be addressed as design progresses from conceptual through the development of construction documents, so partnering with those that have been through it before brings valuable lessons-learned to your project. Reservoirs and major conveyance projects are massive civil design undertakings, requiring large, multidisciplinary teams working seamlessly together for successful implementation. The design team's approach and execution of the plan is critical to a technically sound project being built well.

Exhibit 4-6 | Design Phase

Our plan to advance from conceptual design through to construction includes ample time for reviews by others outside of the design team to produce the most technically sound and constructable design.



Minimizing Seepage Losses and Dam Safety Concerns

Florida's soils tend to be highly permeable, which allows for seepage of surface water and rainfall readily. Understanding local soils and foundation conditions is critical for properly designing water storage impoundments.

Our Approach/Solution: There are two primary reasons seepage needs to be addressed in a new reservoir design:

maintaining storage and reducing dam safety concerns. The design of Reservoir #3 must minimize water loss to maintain stored water pumped from the river. This goal will be supported through inclusion of seepage reduction features in the dam cross-section such as impervious liners and cutoff walls, similar to those features included in Reservoir #2 for the same purpose.

These seepage reduction features also aid in reducing seepage concerns in the downstream and offsite portions of the reservoir embankment, given the volume of water stored within the reservoir. Contemplation of potential defects in construction is common practice in dam design, as is evaluating a range of operational scenarios and long-term conditions.

The early identification of the appropriate seepage control features will allow for constructability reviews as the construction documents are developed and for these features to be priced so that they are included in construction cost estimates. **Results/Benefits:** A gallon lost through seepage is a gallon wasted. Designing with this in mind brings HDR's engineers to the forefront, given our extensive experience with Florida's geo-materials. **Our design approach will look to save the Authority money during operations and reduce maintenance issues for this reservoir.**

Operational Flexibility and Minimizing Maintenance

We will build from the operational flexibility developed during the first phase of the project, to a full design that contemplates how each feature will be constructed and brought on-line without impacting the plant operation during construction.

Our Approach/Solution:

Once facility water flow, and fill and withdrawal rates have been determined, we will develop the design for the drive embankment, control structure, pipeline, and pump. If all water can be withdrawn for operational purposes, utilizing gravity flow rates over pumped water, there will be an operations and maintenance cost savings, and the embankment features will be designed accordingly. Should there be a possible need for faster water withdrawals for plant operation, pumped withdrawals may be considered and reflected in the design of the conveyance system as well as the embankment itself.

Results/Benefits: Partnering with the Authority staff so the design team understands operational flexibility and water management needs, and so the Authority staff understand the constraints and anticipated operational scenarios contemplated in design, will lead to a more comprehensive design that meets current and future needs of the Authority.

True Resiliency Involves Mitigation Measures for the Elements

Designing a 50- to 100-year facility relies on understanding how the built

and natural environment will change in the future and how the Authority will need to respond to those changes to provide consistently available high-quality water.

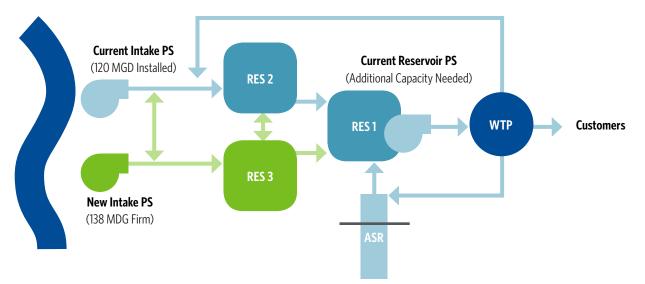
Our Approach/Solution: Our

team's experience is strong in resiliency planning for sea level rise, climate change, natural hazards, and malevolent acts. These considerations, along with reservoir operational optimization, will all be woven into the design approach for the equipment and features built as part of the PR³ project. Our team of experts will work with the Authority to make certain that the most important resiliency aspects are incorporated into planning and design of both existing and new River Diversion Pump Stations.

For example, the current River Diversion Pump Station relies on four pumps to achieve an installed capacity of 120 MGD. Therefore, the firm capacity is reduced to 90 MGD whenever a pump goes offline. In line with the Authority's intent to be able to harvest

Exhibit 4-7 | Operational Flexibility

Planning and designing for future operational flexibility will allow the Authority to adapt and optimize the system as conditions and circumstances change.



the maximum amount of water from the Peace River without affecting the minimum flow limit, our approach will incorporate redundancy into the new pump station, so that the largest pump station can be taken offline and still allow the Authority to pump up to 258 MGD.

Results/Benefits: Providing resiliency and redundancy measures gives the **Authority assurance that their investment will pay off with improved reliability and water quality in spite of changing climate and regulatory environments.**

Value Engineering, Constructability, Cost, and Technical Reviews

Complex, multidiscplinary projects benefit from independent reviews from a variety of perspectives to test the soundness of the design and to maximize the beneficial use of budgets for construction and operations. These reviews often bring up new ideas, but inadequate project planning makes it difficult to incorporate review suggestions and wisdom.

Our Approach/Solution: Valuable reviews are conducted throughout project development, rather than just before a design milestone. Our project schedule incorporates time for workshops and input from technical experts including construction professionals. We set aside time for value engineering to preserve your construction dollars and help you build a cost-effective path to your water supply resiliency goals. These reviews are paramount to our approach and not an afterthought.

Results/Benefits: This holistic approach to design development produces plans and specifications that

drive a competitive bid from qualified contractors and improve construction progress, reducing costly change orders. This further improves the built facility by allowing the project team to focus on quality assurance rather than solving design or constructability issues during construction.

Testing and Site Investigation

Building a reservoir and conveyance project of this scale requires extensive geotechnical investigation to inform the design and develop the construction documents. Understanding the soil characteristics and how they impact design is critical to developing a safe and constructible project. **Soils can vary significantly across a site and as construction progresses, encountering unforeseen site conditions can have serious cost and schedule impacts.**

Our Approach/Solution: Robust, deliberate, and thoughtful site investigations are important to reducing the likelihood of encountering unexpected conditions. It isn't possible or economical to cover every inch of a site with explorations; however, there are standard practices and tools that can be used to investigate a site to understand the range of conditions that may exist. The site investigation conducted as part of Reservoir #2 design can inform the initial site understanding, but borings and other soil investigation methods will need to be conducted along the reservoir footprint, in the anticipated borrow areas, and at locations of major structures.

Understanding the range of potential site conditions, such as the variability of the layering of foundation soils or the properties of the types of soils encountered in the foundation, allows this variability to be incorporated into the design. The range of conditions for design of the seepage control system should include more permeable foundation soils, while the soil conditions for erosion protection may consider soils in the less permeable range. Specifications for construction can be written to be more site specific to provide guidance to the contractor for what soils are suitable for use and how those soils need to be handled so the built embankment properly. Additionally, providing as much information as possible to the contractor on conditions they are likely to encounter will reduce their risk and uncertainty at bidding, and allow them to develop effective means and methods for building the reservoir.

FJS



Exhibit 4-8 | C-44 Project Site Explorations Understanding of soil conditions gained through targeted site-exploration similar to the C-44 Reservoir and STA Project — will reduce overall costs.

Exhibit 4-9 | Permitting and Regulatory Approach

We identify concerns early so they can be incorporated into design development to avoid rework and schedule and budget impacts.



Benefits: Targeted understanding of the soil conditions on-site will **reduce the overall costs to the Authority because of decreased borrow expenses, improve bid competitiveness, and reduce risk/change order management.**

Permitting

Projects of this scale require numerous permits from multiple regulatory agencies. Because of this, working through the permitting process can be arduous, and waiting for agencies to resolve questions and issue permits can cause overall project delays, unanticipated design changes, and cost increases.

Our Approach/Solution: Our success with permitting major infrastructure projects is focused on effective planning, and integration of the environmental and engineering teams. We will coordinate with regulatory agencies early and frequently, so that the design and permit applications address concerns the first time to minimize back and forth through RAIs.

At the feasibility phase of the project, our team will develop a permitting road map to identify all potential environmental constraints, regulatory involvement, anticipated permitting timelines, and potential impacts to construction activities.

Through our extensive experience with permitting projects in Florida, we anticipate the following agencies and permits may be involved with the PR³ project:

- Florida Department of Environmental Protection Submerged Sovereign Lands, Individual Environmental Resource Permit
- U.S. Army Corps of Engineers Section 404
- U.S. Fish and Wildlife Service Endangered Species Act
- Florida Fish and Wildlife Conservation Commission

We will conduct field surveys for wetlands, as well as wildlife and habitat assessments for threatened and endangered species. We will utilize tools such as ArcGIS to integrate all field data, and our combined GIS and GPS capabilities will enable us to collect highly accurate field data for use on permit maps and wetland impact sheets. As we've done on many projects before, we will partner with the regulatory agency staff to develop appropriate paths forward to minimize permitting impacts.

Results/Benefits: Our approach of integrating engineering and environmental professionals will reduce the potential for schedule and cost impacts due to redesign for permitting requirements or mitigation needs. Our entire team will be focused on putting forward a technically sound design that meets regulatory requirements and minimizes impacts and permitting constraints.

Construction

Our experience with reservoirs brings the Authority thoughtful, tested, and practical solutions to the challenges expected during construction. There are additional construction challenges to building projects of this scale with numerous components in multiple locations that all need to function as a single facility when built.

Effective Construction Management Starts Early.

Our approach to strong construction phase delivery includes engaging construction professionals during design, well before bidding and construction starts. This allows our team to reduce a contractor's opportunities for change orders.

Our construction manager will prepare a construction management plan with specific procedures, including: staffing, communication, reports, budget tracking,

FC

processing pay/change order requests, managing the project risk register, QA/ QC processes, and escalating issues/ dispute resolution.

Construction Oversight and Quality Assurance. Successful

infrastructure projects are the result of consistent collaboration between design and construction management teams throughout all phases of project implementation. Inadequate construction oversight can result in a poor quality project that doesn't function well or has ongoing maintenance issues. Heavy earthwork complicates construction because the quality of the soil materials, as well as the contractor's means and methods, needs to be checked, proven, and documented regularly. Additionally, soil conditions can vary as the contractor's work progresses across the site, which requires the on-site construction management team to have the expertise to recognize and address changes quickly and coordinate with the contractor and the design team. Our Construction Manager, Tom Haid, will provide that seamless coordination to constantly move the PR3 project forward while maintaining the quality and functionality of the original design intent.

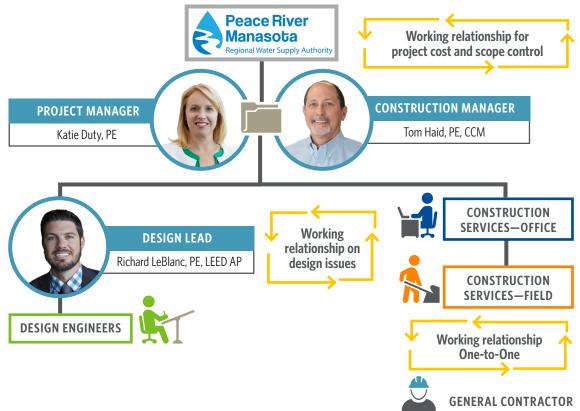
Startup, Filling, and Operations Commencement

Planning for how the pumps, valves, gates and other equipment will be tested and started is important, as is for the process to properly and safely fill the reservoir. Our team will contemplate these steps during the design process and provide requirements for the contractor in their construction contract. Thinking through the steps of how to test and commission the new pumps, such as on the C-44 Pump Station where the reservoir was still being built by another contractor, is critical to a contractor being able to complete their work and turn the facility over to the Authority.

Equally important is having a plan for how the reservoir will be filled, how long it will take to raise the reservoir stage a foot, 2 feet, etc., and how the seepage control features and downstream slopes will be inspected to confirm dam safety is met. Our team will begin the development of an Operations and Maintenance Plan during design that will be updated during construction. This O&M Plan

Exhibit 4-10 | Construction Phase

Successful projects result from seamless coordination between design and construction phases. Katie, Richard and Tom will provide that continuity and commitment to seeing the PR3 project built well.



will fold into the existing O&M Plan the Authority has for Reservoir #2, and dam safety requirements for both reservoirs will be updated based on the final built facility.

Project Management and Communication

Communication and Coordination

Successful projects are built on strong communication across the entire project team throughout the life of the project. Therefore, **listening – early and often – is at the core of our approach.** We will use workshops to gain input and build consensus, develop and evaluate technically sound solutions, and make timely decisions. While the technical expertise and experience of our team is important, equally important is how we engage with your staff.

Our project initiation will include the development and implementation

of a Project Management Plan for the PR³ project team. The plan will include guidance on effective communication between the HDR team and the Authority, and with a broader stakeholder and member government group.

Cost Control

We are committed to developing and executing projects on budget, understanding that the Authority has a fiscal responsibility to plan, prioritize, and manage this important project according to your established budget. We use our PM Dashboard to provide weekly, monthly, and inception-to-date information on costs, burn-rate, staffing mix, and schedule. Katie will provide the Authority with monthly progress reporting against planned work and budget. If unanticipated issues arise or there are changes in direction that will impact budget, they will be brought to the Authority before effort is expended.

Schedule Management

Katie and her project leadership team will create a detailed overall project

schedule, as well as work order-specific schedules during each phase.

The master PR³ project schedule will be maintained to identify project-level critical path items and verify that the overall project remains on track for Reservoir #3 to be full by 2030. Status against this schedule will be provided in monthly updates to the Authority.

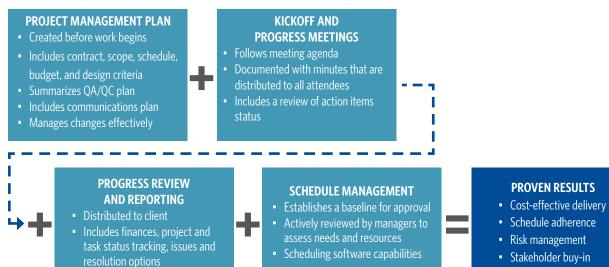
Detailed work-order schedules will track efforts across the project—especially of interrelated items—in order to achieve systemwide coordination. Status against the active work-order schedule will also be provided to the Authority on a monthly basis.

Any scheduling issues will be proactively managed and brought to the Authority's attention when they are identified for collective discussion on how to minimize the impact.

The schedule the Authority has outlined for the PR³ project is reasonable, and we are confident it can be achieved.

Exhibit 4-11

Project management will be focused on communication - among team members and with the Authority



Quality Assurance and Quality Control

Our project team includes Quality Manager, Sue Ray, who will work with Katie and Richard to develop, implement, track, and document our QA/QC plan. This QA/QC plan will include senior technical staff from both HDR as well as non-HDR industry experts who will not be involved in daily project activities.

The QA/QC team will perform quality reviews of all deliverables before they are submitted. Each work order project schedule will be defined and allow for review and comment resolution of deliverable. Our QA/QC Plan, as well as quality documentation, will be available to the Authority at any time during project delivery.

How will we...

...integrate quality control throughout the project life cycle?

Approach:

Early in the planning phase, a QA/QC plan will be established and include specific review tasks and workshops tied to key project milestones. Quality review meetings will be conducted at the beginning, not just the end, of critical tasks to set proper course and expectations before valuable time and resources are expended. Each QA/QC review will feature:

- Time allocated for input and feedback from Authority staff, including operators and maintenance technicians when appropriate and valuable.
- Documentation of decisions and any associated course corrections or impacts on future tasks.
- Results integrated into design documents and construction work orders.

Results: Our constant emphasis on quality will identify challenges and solutions early in project tasks and deliver accurate final deliverables to the Authority.

Benefit to PR³: The Authority will have full confidence in the technical soundness and economic value of all aspects of the project through each phase of development.

Proven Performance: C-44 Reservoir and STA Project (p. 2-02)

Continued Commitment to the Authority

Our experts have planned, designed, and constructed water supply system facilities around the world. We can help you develop innovative, reliable, and costeffective solutions that secure co-funding opportunities and meet your immediate and long-term goals:

Water Quality and Water Quantity. Provide infrastructure for a reliable, high-quality water supply to serve future generations.

Ω

Resiliency and Redundancy. Provide a forward-thinking system that incorporates both redundancy and flexibility to accommodate future regulatory and demand requirements.



Cost and Schedule. Maximize return on investment for sustainable infrastructure.



Sue Ray Quality Manager



5, 6, 7

Availability, Past Record, and Proximity

Minimum Requirements Addressed (RFQ Page 5): 9. Workloads 10. Current Representation

11. Litigation





Resources Availability

Our key staff's current and projected workloads are shown below. We are available to help meet the 2030 deadline.

We are currently wrapping up two major projects with you: the IRWSP 2020 and the Water Quality Master Plan 2020. The C-44 Reservoir and STA Project construction is completing just as the PR³ planning and design will commence – allowing Katie, Richard, and the team to focus on the PR³ project.

we are available to help meet the 2000 deadline.				
PERSON, ROLE	2020	2021	2022	
Katie Duty, Project Manager				
Richard LeBlanc, Deputy Project Manager/Design Manager				
Sherri Swanson, Environment & Ecology Task Leader				
Greg Yankey, Reservoir Task Leader				
Elena Sossenkina, Risk Assessment & Mitigation				
Ryan Messer, Hydraulics/Conveyance Task Leader				
Matt Shultz, Pump Stations/Intake				
Stephanie Ishii, Water Optimization				
Tom Haid, Construction Management Task Leader				
Chance Lauderdale, Tech. Advisory Committee Task Leader				
Blaine Dwyer, Reservoir & Water Planning Tech. Advisor				
20% available 40% available 60% available	80% av	vailable	100% ava	lable

Past Record on Authority Projects

Our team has a long history of successful collaboration with Authority staff. Since 2005, we have provided multidisciplinary engineering services to you under a general engineering services contract. More than 50 work orders have been authorized under this contract ranging in size from \$10,000 to \$734,000. A few examples include inspections and condition assessments of various facilities at your water treatment plant, design of erosion protection projects along your reservoir embankments, review and recommendations on other's designs and cost estimates, and the conceptual siting study for your new Reservoir #3. Through this work, we have become familiar with your facilities, operations, goals, and challenges.

Our team includes partners who share a similar history of work with your staff and a focus on working to solve your important challenges such as EarthBalance's support of your wetland mitigation efforts for Reservoir #2, the planning for Reservoir #3, and Hazen and Sawyer's work on your water quality master plan. Fifteen years after our first project together, we're currently wrapping up the final stages of your IRWSP 2020.



Current Work with the Authority's Customers

While HDR and our team does some work with the Authority's Customers, it often focuses on other disciplines such as transportation, wastewater, and solid waste.

Customer	Contract Name - Firm
Charlotte County	 WO 114 Landfill Gas Collection System Monthly Monitoring & As-Needed Repairs - HDR Library of Services Contract – HDR Loveland GMLS and 48-Inch Interceptor – Hazen and Sawyer
DeSoto County	None
Manatee County	 Stormwater Rate & Utility Services – HDR Hidden Harbor Post Seeding Vegetation Management – EarthBalance Public Water System Component Permitting and Construction (sub) – Progressive Water Resources
Sarasota County	 Engineering Design Services – Utility Treatment Facilities - HDR Engineering Services – Solid Waste – HDR Bee Ridge Water Reclamation Facility Expansion & Upgrade to Advanced Wastewater Treatment – EarthBalance Capacity, Management, Operations and Maintenance Program – Hazen and Sawyer Lockwood Ridge BPS Design – Hazen and Sawyer South Gate MPS Design – Hazen and Sawyer Atlantic/Brentwood Deep Injection Well Acidization (sub) – Progressive Water Resources
City of North Port	• None



Disclosure of Litigation

Neither HDR nor the members of our team are involved in litigation against the Authority or the Authority's Customers.

O Proximity

The project will be run from HDR's Sarasota office, which is 7 miles from the Authority's offices in Lakewood Ranch and 45 miles from your facilities in DeSoto County. Our Sarasota office will be supported by the 150 staff in HDR's Tampa office and our experts around the company. Our major teaming partner, Hazen and Sawyer, also has offices in Sarasota and Tampa. Just like we have done on every project for you, we will collaborate with teammates and engage expertise in different offices to deliver customized, durable solutions.



Our proximity and expertise will result in timely service and reliable data on which to confidently build your resilient water supply.



Forms and Licenses

Minimum Requirements Addressed (RFQ Page 5): 13. Required Forms 4. Licenses



KEY PERSONNEL for PROFESSIONAL SERVICES FOR THE PEACE RIVER REGIONAL RESERVOIR (PR³) PROJECT

The Consultant's proposed Project Manager, Project team, and key personnel are to be indicated below. Each person must be identified with their job classification, area of expertise, and work location. If Project Manager or key personnel are not employees of the Consultant, please also indicate within the Office Location column the subconsultant.

Person's <u>Name</u>	Job <u>Classification</u>	Area of Expertise	Office Location
Katie Duty	Project Manager	project mgmt, reservoirs	Sarasota, FL
Richard LeBlanc	Deputy Project Manager <u>& Design Manager</u>	reservoirs, conveyance	Sarasota, FL
Sherri Swanson	Environment & Ecology Task Leader	environmental science	Sarasota, FL
Greg Yankey	Reservoir Task Leader	reservoirs, dams, levees	Lexington, KY
Elena Sossenkina	Risk Assessment & Mitigation	reservoirs, dams, levees	Denver, CO
Ryan Messer	Hydraulics/Conveyance Task Leader	conveyance, treatment	Tampa, FL
Matt Shultz	Pump Station/Intake	water transmission	Charlotte, NC
Stephanie Ishii	Water Optimization	water supply, treatment	Tampa, FL
Tom Haid	Construction Management Task Leader	construction	Fulton, VA
Chance Lauderdale	Technical Advisory Committee Task Leader	water supply, treatment	Tampa, FL
Blaine Dwyer	Reservoir & Water Planning Tech. Advisor	water supply, reservoirs	Denver, CO

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY by Jennifer Erin Hunt, PE, Vice President

(Print individual's name and title)

for HDR Engineering, Inc.

(Print name of entity submitting sworn statement)

whose business address is 2601 Cattlemen Road, Suite 400; Sarasota, FL 34232

and (if applicable) its Federal Employer Identification Number (FEIN) is **47-0680568** (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:).

- 2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid, proposal, reply, or contract for good or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
- 3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
- 4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 - a) A predecessor or successor of a person convicted of a public entity crime; OR

b) An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members and agents who are active in management of an entity.

Based on information and belief, the statement which I have marked below is true in relation to the entity 6. submitting this sworn statement. (Indicate which statement applies.)

X Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.)

I UNDERSTAND THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES. FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

fain Flun (Signature)

STATE OF Florida COUNTY OF Hills borough

Sworn to and subscribed before me this 22 day of November

OR produced identification

, 2019, Personally known

(Type of Identification)

My commission expires April 13,2023

(Printed typed or stamped Commissioned name of Notary Public)



JUDITH A MACK-ADAMS Commission # GG 311028 Expires April 13, 2023 Bonded Thru Budget Notary Services

REFERENCES

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name:	HDR
Reference Entity:	U.S. Army Corps of Engineers
Reference Contact Pers	on: Crystal Markley, PE, LEED AP
Reference Address:	701 San Marco Blvd, Jacksonville, FL 33207
Reference Email Addre	ss: Crystal.A.Markley@usace.army.mil
Reference Phone No.:_	904.232.2385
Project Name:	C-44 Reservoir and STA Project
Project Location:	Martin County, FL
Consultant Project Man	ager: Katie Duty
Contract Amount:	\$23.0 million
Date Project Commenc	ed: 2004

Under Katie Duty's leadership, HDR worked with the SFWMD, USACE, and Troup Indiantown Water Control District to plan, design, and oversee construction of this \$500M reservoir and supporting facilities.

Project includes: a 10-mile-long, 16.5-BG high hazard earthen embankment dam; 710-MGD pump station; 6,300 acres of stormwater treatment areas; 38 miles of canals; and 60+ water control structures. Our role included site evaluations, development of basis of design, permitting, detailed design plans and specifications, and construction phase services.

Site Evaluations. We led more than 250 STPs, 110 auger boring, 58 test pits, 27 monitoring wells, and three aquifer performance test wells. These helped inform important decisions such as suitability of on-site soils for construction.

Mitigation and Permitting. Regulatory requirements considered included Section 404 permit, SFWMD ERP, wetland mitigation, threatened and endangered species, FAA approval, and other local permitting. Accomplishments include:

- Onsite mitigation of wetlands
- Construction constraints to protect threatened and endangered species identified on site
- Design of perimeter drainage canals to compensate for offsite flows disrupted by construction

Feasibility and Planning. A Potential Failure Modes Analysis was performed to identify seepage, stability and armoring systems, which led to key recommendations for foundation drainage and seepage control measures, soil cement armoring stability, soil cement mix designs, and settlement of a compressible foundation layer.

Design. Includes a 177-MGD pump station to be operated locally and remotely with four 78-inch pipes that discharge to the reservoir. Another 26-MGD pump station provides water to the local irrigation district.

Construction. We performed construction-phase services, reviewing and responding to 3,000+ submittals and RFIs, and providing observation reports and guidance to both the SFWMD and USACE on construction-related issues. Professional Services - Peace River Regional Reservoir (PR3) Request for SOQ

REFERENCES

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name:	HDR
Reference Entity:	Union County, North Carolina
Reference Contact Pers	on: John Shutak
Reference Address:	500 N. Main Street; Monroe, NC 28112
Reference Email Addre	ss: john.shutak@unioncountync.gov
Reference Phone No.:_	704.283.3651
	Yadkin River Water Supply Project
-	Union County, North Carolina
Consultant Project Mar	ager: Tracy Randazzo
-	\$5.4 million (Permitting and Preliminary Engineering) and \$2.5 million (Owner's Agent)
Date Project Commenc	

As Owner's Agent for the \$285M river water supply expansion, HDR supported Union County through their project delivery alternatives analysis. The county selected progressive design-build (D-B) delivery to construct a pump station and intake, 30 miles of raw-water transmission line, a new WTP, and 10 miles of finished water pipeline.

Nearing 60% design, HDR has coordinated with the design-builders to define key design standards and equipment preferences, weighed in on engineering decisions—such as the proposed treatment approach and equipment selection—and reviewed the design-build teams' construction documents to achieve the best deliverable for the county's needs.

HDR's Owner's Agent Services:

- Determine project packaging and delivery methods
- Public outreach and communication
- Develop design guidelines, templates, and standards
- Develop opinions of probable construction costs
- Develop RFPs/RFQs; manage selection process for D-B teams
- Assist with development of agreements for D-B teams
- Assist with negotiation of guaranteed maximum price
- Monitor and administer construction contract
- Provide value engineering services
- Coordinate quality construction and start-up
- Acquring land for 360+ easements
- Evaluating and updating timing of capital outlay

Professional Services – Peace River Regional Reservoir (PR^3) Request for SOQ

HDR's Permitting & Preliminary Engineering Services

- 401 and 404 permits
- Environmental surveys incl. T&E species, wetland delineation, cultural resources, historical landmarks
- Secured a Preliminary Jurisdictional Determination
- IBT and FERC permit coordination
- Development of environmental documents (EIS)
- Basin-wide water quantity modeling assessment
- · Water quality analysis for intake optimization, treatment
- Financial analysis of alternatives

HDR and Hazen have collaborated on both project phases. During the first phase (Permitting & Preliminary Eng.), Hazen was a member of HDR's team. During the second phase, HDR is the owner's agent and Hazen is a designer.

REFERENCES

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name:	HDR
Reference Entity:	California Department of Water Resources
Reference Contact Pers	on: David Panec, PE
Reference Address:	1416 9th Street, Sacramento, CA
Reference Email Addre	ess: David.Panec@water.ca.gov
Reference Phone No.:_	916.653.0772
Project Name:	California State Water Project Dam Safety Engineering Services
Project Location:	various locations, CA
Consultant Project Mar	ager: Sam Planck (contract manager), project managers vary per task order
Contract Amount:	\$101 million = 36 million (contract 4600010384) \$65 million (contract 4600012541)
Date Project Commenc	ed: January 2015

The SWP is a water storage and delivery system of reservoirs, aqueducts, power plants, and pumping plants extending more than 700 miles—two-thirds the length of California. Since 2014, HDR has served as the lead consulting engineer on the SWP that total \$101 million in contract value for the evaluation, analysis, and inspection of structures on this \$1.7 billion program.

Principal work provided by our team has been related to dam safety risk evaluations, and engineering analysis and design of SWP facilities. Work activities have also included flood damage reduction engineering and other engineering services including hydrologic and hydraulic studies, structural analysis and design, geotechnical engineering, geology analysis and design, electrical/mechanical design and analysis, and planning/feasibility analysis. We coordinated extensively with the Division of Safety of Dams (DSOD) and helped DWR meet DSOD and Federal Energy Regulatory Commission requirements.

Emergency Response. DWR turned to HDR when they had a crisis to solve. We provided 150+ staff to help DWR respond to the Oroville Dam Spillway failure in 2017. At 770 feet, Oroville Dam is the tallest earth-fill dam in the U.S. and forms Oroville Lake with a capacity of 3.5 million acre-feet. We provided inspection, monitoring, design, engineering during construction, and construction management services in a matrixed team with DWR staff, as well as other consultants and contractors.

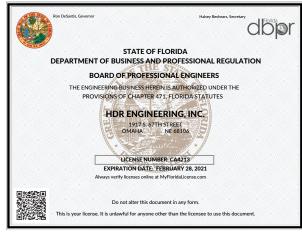
We have worked on nearly all of the SWP facilities, including:

- Edmonston PS East and West Discharge Pipes
- Oroville Dam Air Tunnel
- Oroville Radial Gates
- CCF Radial Gates
- Pyramid Dam Spillway
- Devil Canyon Power Plant Penstocks No. 1 and 2
- Oroville Dam Spillway Emergency
- Oroville Dam Radial Gates Emergency Inspections
- Thermalito Diversion Dam Radial Gate Emergency Inspections
- Cedar Springs Dam Spillway and Stream Release Tunnel
- Castaic Dam Spillway and Stream Release
- Peace Valley Intake Embankment Settlement

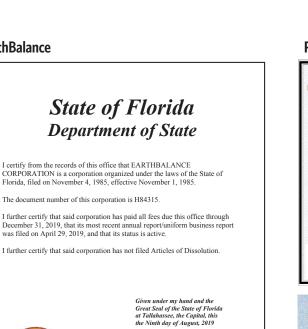


Following are the business Florida Professional Licenses for our team members as required in the RFQ.

HDR



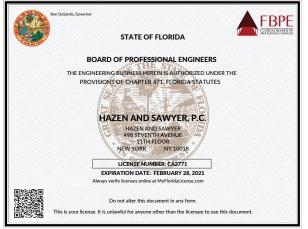
EarthBalance



Secretary of State

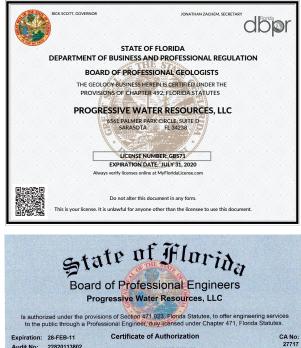
king Number: 8135290364C Γo authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed. ://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthenticatio

Hazen and Sawyer



Progressive Water Resources

Audit No: 22820113802



DISPLAY AS REQUIRED BY LAW

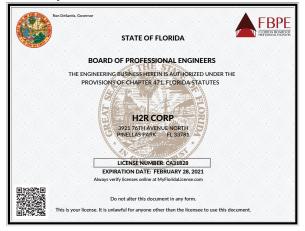


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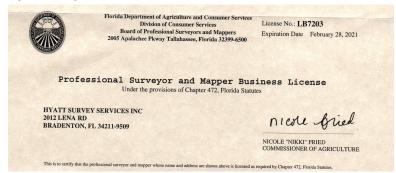
Schnabel Engineering

12/3/2019	DBPR - SCHNABEL ENGINEERING, LLC, Registry
Licensee Details	
Name:	
Name: Main Address:	SCHNABEL ENGINEERING, LLC (Primary Name) 9800 JEB STUART PARKWAY SUITE 200 GLEN ALLEN Virginia 23059
County:	OUT OF STATE
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Registry
Rank:	Registry
License Number: Status:	31512 Current
Licensure Date:	01/19/2016
Expires:	02/28/2019
Special Qualifications	Qualification Effective
Alternate Names	
https://www.myfloridalicense.com/LicenseDetail	.asp?SID=&id=54F0030D39A23121F6FF946457753792

H2R Corp



Hyatt Survey Services





Following are copies of individual professional licenses as required in the RFQ.

Katie Duty





Sherri Swanson



Stephanie Ishii

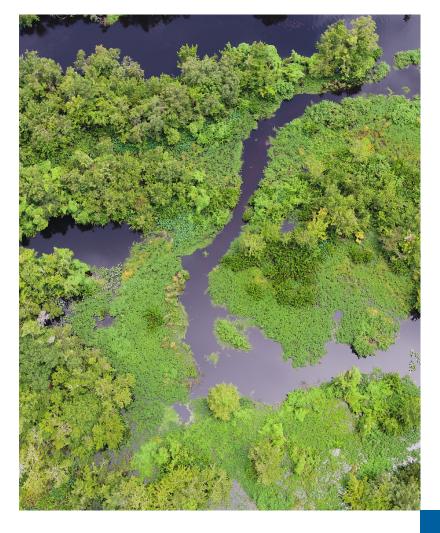


Ryan Messer



Chance Lauderdale





FC

Katie Duty, PE 2601 Cattlemen Road, Suite 400 Sarasota, FL 34232 941.342.2700

hdrinc.com

We practice increased use of sustainable materials and reduction of material use.

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 TAB B

 Stantec Peace River Regional Reservoir (PR3) Project Statement of Qualifications



Statement of Qualifications

DESIGN AND ENGINEERING SERVICES FOR THE PEACE RIVER REGIONAL RESERVOIR (PR³) PROJECT

Prepared for the Peace River Manasota Regional Water Supply Authority

12.6.2019





Stantec Consulting Services Inc. 777 S Harbour Island Boulevard Suite 600, Tampa, FL 33602

December 6, 2019

Patrick J. Lehman, Executive Director Peace River Manasota Regional Water Authority 9415 Town Center Parkway Lakewood Ranch, Florida 34202

RE: Design and Engineering Services for the Peace River Regional Reservoir (PR³)

Dear Mr. Lehman and members of the selection committee:

Population projections and the need for water infrastructure to keep pace with economic growth are prompting the Peace River Manasota Regional Water Supply Authority (Authority) to significantly expand its total reservoir storage volume by 2030. In accordance with the Authority's Water Resiliency Assurance Plan (WRAP), adding a third off-stream surface reservoir and increasing river pumping capacity at the Authority's existing facility are critical steps to enable the Authority to achieve its mission. The proposal that follows outlines our proposed team of highly experienced individuals, led by a seasoned Project Manager, Gary Wantland, that will support the Authority's achieving these goals. We also provide our team's approach to deliver a cost-effective layout with a footprint that minimizes environmental impacts and required mitigation.

Stantec has had the pleasure of working for the Authority for the last 17 years on the design, construction, and post-construction monitoring of the Peace River Regional Reservoir #2. Our approach to this initial phase of the PR³ project is firmly rooted in our team's experience and lessons learned through delivering Reservoir #2 and observing its operations since going online in 2009. We are very proud that Stantec was able to assist the Authority and deliver Reservoir #2 on-time and under budget due to proactive change order management (in fact, there were no contractor change orders) and effective contractor management.

After 10 years of operation, Reservoir #2 has performed well. Our design is performing as intended as the structure has not experienced impacts due to wind wave generation, overtopping, or damage due to wave breaking. Through our continued work for the Authority, our team has gained invaluable understanding of the site, your current operations, and project stakeholders, which we will immediately put to work here with no learning curve.

The Stantec team for PR³ includes key project partners **TKW** (intake and pump stations), **ESA** (environmental intake permitting and water quality), **Earth Balance** (environmental mitigation and our partner for Reservoir #2), and **Janicki Environmental** (modeling). We've chosen to team with local firms who bring proven experience serving the Authority and have extensive familiarity with the existing facility, local conditions, and regulations. Of the team members we've proposed for PR³, **46% worked on the previous Peace River Regional Reservoir Expansion Project** and over **64% have served the Authority**. The Stantec team understands your operations and your expectations for project delivery.

A few key aspects of our targeted and strategic approach include:

Expertise in Siting – PR³ will be located on the R.V. Griffin Reserve. Exactly where depends on a balance of competing environmental and engineering considerations, each of which will also impact cost. These include capacity, construction costs, site mitigation requirements as well as Reservoir locations versus

pipeline lengths and engineering controls. Siting PR³ will have the added complexity of the interfaces and protection of operating infrastructure and new hydraulic interactions with Reservoir #2. Stantec's team has proven experience evaluating complex factors during site selection for reservoirs, including leading a project team in the evaluation of potential reservoir sites for the Authority in 2009. Earth Balance and ESA bring specific qualifications in evaluating environmental impacts and mitigation requirements that will guide decision-making.

Operating Flexibility – The Authority's operational efficiency depends on its ability to quickly harvest water when the river is flowing high and fast, storing the water, and then efficiently accessing that storage during periods of low-level flows. Our approach includes evaluating a booster pump station at PR³ to improve raw water discharges from the Reservoir, which would serve to facilitate transfer of the stored volume to other onsite storage or treatment units. Additionally, similar to the modification **TKW** designed for Reservoir #2, we will evaluate gravity feed transmission lines to enhance resiliency and efficiency. This approach will improve the Authority's ability to use the full operating range of PR³ and improve its integration into site infrastructure.

Integrating PR' into Site Operations – We will evaluate current site operations to identify and prevent bottlenecks in how raw water is transferred to the on-site treatment plant. Toward this end, our project partner **TKW** brings extensive knowledge of and experience with the Authority's pump stations and pipe network. Our design will minimize reliance on the Reservoir #1 pump station by including interconnections and bypassing capabilities for site pipelines to include the ability to isolate one of the existing reservoirs without interrupting site operations. This approach will directly benefit the Authority with increased operational flexibility and improved resilience with site operations.

SUMMARY

In summary, Stantec's experience with the planning, design, and construction of off-stream reservoirs and pump stations with river intakes is unrivaled. Drawing from a portfolio of 97 reservoirs in the United States and 315 around the world, our proposed team members have the experience required to successfully deliver this project for the Authority. In addition, in cooperation with the Florida Department of Environmental Protection and the USACE Jacksonville District, Stantec led the development of ten Design Criteria Memoranda for reservoir design which, since development in 2005, which have become the standard for dam safety guidance in Florida. Several of our proposed project team members participated in the development of these guidelines. Perhaps more importantly, our local team has demonstrated dependable performance with delivering similar projects to the Authority. Our proven expertise in pump station, embankment, and spillway design is bolstered by our understanding of the environmental considerations that will influence siting. Our technical experts understand the project risks that can influence budget and schedule, and we have proven strategies to mitigate these risks.

On behalf of our entire team, thank you for considering us for this critical project that will support regional water supply resiliency and provide a safe and reliable drinking supply for the Authority's customers for decades to come.

Sincerely, **STANTEC CONSULTING SERVICES INC.**

(Tany M Wanttend

Gary Wantland, PE Project Manager (813) 204-3328 gary.wantland@stantec.com

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- **1** CONTACT INFORMATION
- 2 PRINCIPAL OFFICE LOCATIONS
- **3 LEGAL FORM OF COMPANY**
- 4 FLORIDA PROFESSIONAL LICENSES



Legal Name

Stantec Consulting Services Inc.

Address

777 S Harbour Island Boulevard Suite 600, Tampa, FL 33602

Primary Contact

Gary Wantland | Phone: (813) 204-3328 | E-mail: gary.wantland@stantec.com

PRINCIPAL OFFICE LOCATIONS



Tampa, Florida

EarthBalance Sarasota, Florida



CONSULTING ENGINEERS Fort Myers, Florida

Terracon Sarasota, Florida ESA

Tampa, Florida



St Petersburg, Florida

Gainesville, Florida

Fort Myers, Florida

3 LEGAL FORM OF COMPANY

Corporation

4 FLORIDA PROFESSIONAL LICENSES

Our team's Florida Professional Licenses are included on the following page.

FLORIDA PROFESSIONAL LICENSES







GARY WANTLAND

PE, D.GE PROJECT MANAGER AND ENGINEER OF RECORD

Education

BS, Ocean Engineering, Florida Institute of Technology, Melbourne, Florida

MS, Civil Engineering, University of Houston, Houston, Texas

Registrations

Professional Engineer:

Florida Oklahoma Texas Ohio South Carolina Alabama Illinois Tennessee

Office Location

Tampa, Florida



Gary has over 40-years' experience managing and delivering complex projects that include geotechnical, environmental and civil engineering components. His career includes providing services to private industry. regional water supply agencies and the U.S. Army Corps of Engineers. His extensive knowledge of local conditions and Reservoir #2 performance will be used to obtain the quality expected by the Authority for the Peace River Regional Reservoir (PR³) Project. His unique experience will guide the project team during all phases of the design, permitting and construction of the reservoir and ancillary facilities. Gary's experience includes design and construction of 10 above grade off-stream reservoir projects equaling more than 40 miles of embankment. His rehabilitation experience includes 64 miles of embankment dams used for water supply or flood control. And he has been responsible for inspection of more than 150 miles of levees managed by the USACE Jacksonville District.

EXPERIENCE

A Peace River Reservoir Expansion, DeSoto County, Florida (Program Manager)

Program Manager for dam safety services supporting the Authority's operation of Reservoir #2 in accordance with national and state dam safety practices and the permit issued to the facility by the FDEP. He is leads the project team that is successfully delivering inspection, monitoring and reporting of reservoir performance Reservoir #2 is an 18,500 acre-foot above grade, offstream raw water storage facility surrounded by 4-miles of dam constructed of locally available soils. Gary has led these services for over 10 years, interfacing with FDEP regulators and external review staff. His leadership included successful initial filling, start-up and commissioning of reservoir #2 through routine operation.. The experience gained on the Reservoir #2 dam safety program will be leveraged to maximize the successful performance of Reservoir #3.

A Peace River Reservoir Final Design, Construction and Startup, DeSoto County, Florida (Project Manager)

Gary was the Project Manager and Quality Assurance (QA) Manager for the construction of the 18,500 acft above ground raw water storage facility. He was responsible for a combined work-force of over 75 personnel over an 18-month timeframe consisting of several construction contractors and three subcontract engineering firms for construction oversight. In addition to his role as QA Manager, Gary also negotiated with the permitting agency (FDEP) to obtain approval of design modifications required to address construction requirements without causing construction delays or contractor claims. This \$62 million facility was completed ahead of schedule, for less than the Contractor's initial bid for the work. and with no residual Contractor claims. The experience gained from Reservoir #2 will be used for successful design and construction of Reservoir #3 in addition to working with FDEP and the Contractor to achieve the scheduled start of operations.

Manatee Cooling Pond Soil Cement **Replacement Project, FPL Manatee Cooling** Pond, Parrish Florida (Project Manager) Gary is leading a team of over 20 engineers and scientists for the rehabilitation of the upstream slope of the FPL Manatee Cooling Pond dam. The cooling pond is an above grade, off-stream reservoir, which was placed into service in the 1970s with a perimeter dam that is a uniform cross section earthen embankment constructed of locally available silty sand and sands. Under Gary's direction, the Stantec team designed and oversaw construction of a concrete overlay system for 10,000 feet of the existing soil-cement protected slope while the cooling pond remained in operation. Stantec's scope

included preliminary design, geotechnical and subsurface investigation, engineering design, permitting support and construction phase services including quality assurance, dam safety monitoring, engineering services during construction and environmental monitoring. A high-early strength pre-cast concrete panel with steps to control wind generated wave surge and run up and a high-density cellular concrete backfill beneath panels is being used as the continuous cover. The experience gained from leading a large design and construction team rehabilitating an existing off-stream above grade reservoir in southwest Florida will be leveraged to maximize the successful design and

construction of Reservoir #3.

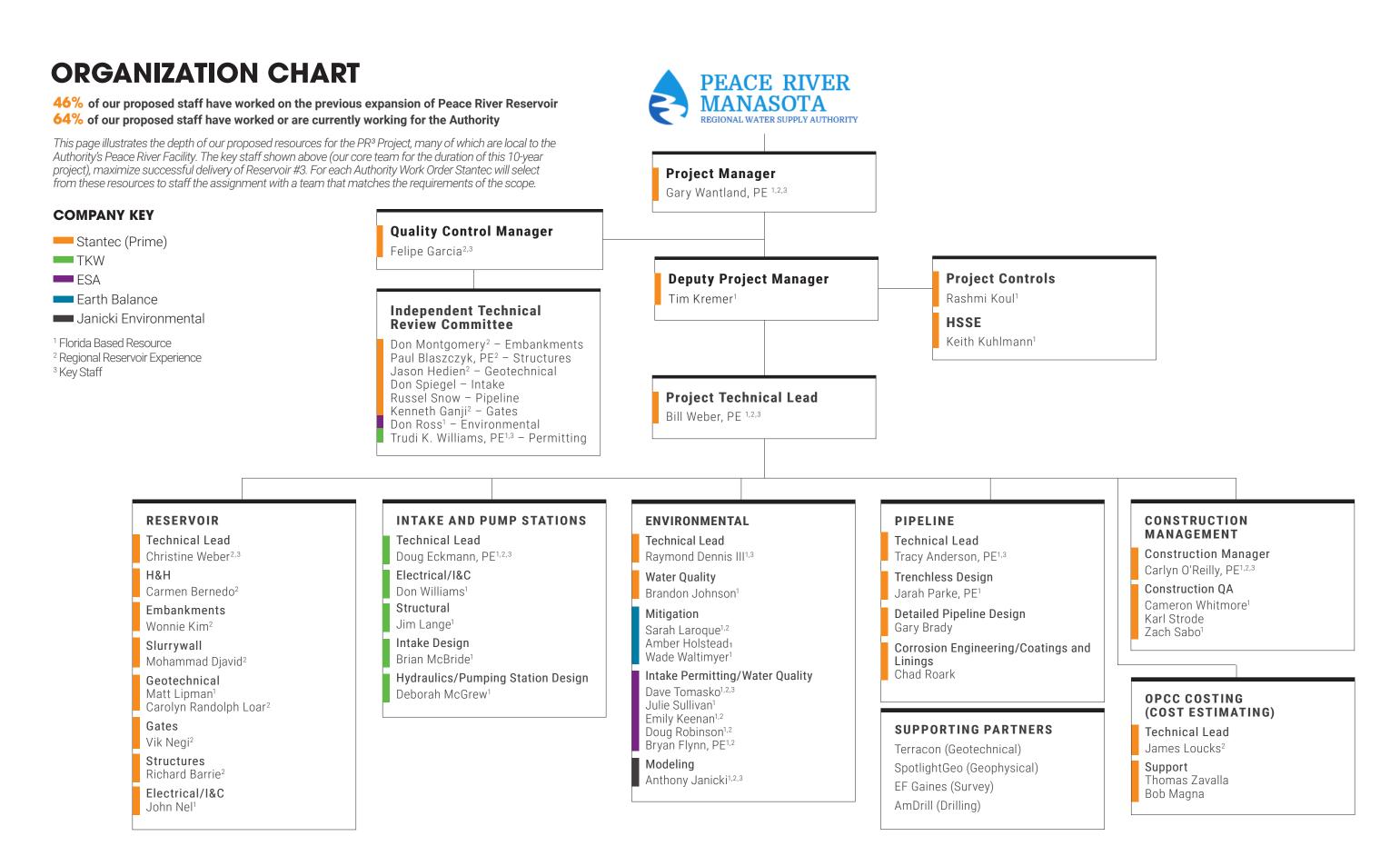
Stormwater Treatment Area 1W Expansion #1, Palm Beach County, Florida (Geotechnical Lead)

Gary led a team of 15 geotechnical and civil design engineers as well as two sub-consultant engineering firms for the design of this awardwinning raw water storage facility. Services were provided from preliminary site investigation through final design. STA 1W Expansion Project consisted of approximately 4,700 acres of raw water storage located in Palm Beach County. The project included 9 gated inflow and discharge structures (double and triple gated structures with gated widths ranging from 50 to 400 feet), weirs and spillways, internal culverts and over 100,300 linear feet of perimeter embankments, 85,600 linear feet of discharge canal, 8,000 linear feet of seepage management canals and over 4,000 acres of interior site grading. Design Criteria Memoranda developed by Stantec were used to evaluate and select perimeter embankment stability, freeboard, reservoir geometry and cross sections. The relevance of this project to the Authority is the experience gained designing a long embankment based on current, applicable design guidelines for a dam incorporating many complex gated spillways situated on a challenging subsurface profile.

Dona Bay Watershed/Venice Minerals Reservoir, Sarasota County, Utility Planning and Environmental Management, Sarasota, Florida (Project Manager)

Gary led the project team responsible for evaluating conversion of an existing sand and gravel mine into a raw water storage reservoir in Sarasota County, FL. The scope included analysis of proposed reservoir configurations including embankment alignment, cross section and reservoir capacity. An Opinion of Probable Construction Cost was generated to facilitate comparison of options. This experience will be used to evaluate alternative reservoir configurations during the site selection process for Reservoir #3.







BILL WEBER

PE, LEED, ENV SP PROJECT TECHNICAL LEAD

Education

BS, Environmental Engineering, University of Florida, Gainesville, Florida, 1999

ME, Environmental Engineering, University of Florida, Gainesville, Florida, 1999

Registrations

Professional Engineer: Florida

Envision[™] Sustainability Professional, State of Florida

LEED Accredited Professional, State of Florida

Office Location

Tampa, Florida



Bill has 19 years of experience with environmental and geotechnical engineering projects including large rawwater reservoirs, large earthen dams, AutoCAD Civil 3D site-civil, utilities, and pipeline design, stormwater management systems, and landfills. Projects have involved slope stability analysis, finite element modeling for seepage evaluations, dam safety and performance monitoring, geotechnical investigations, AutoCAD Civil3D surface modeling, Phase I and Phase II environmental assessments, environmental sampling, and spill prevention planning. Bill is skilled in directing and collaborating with remote staff located across the globe. Bill has developed standard tools and practices, promoted the use of new technology, and improved workflows.

EXPERIENCE

A Peace River Reservoir Expansion, DeSoto County, Florida (Supervising Geotechnical Engineer)

Bill provided construction management services to the PRMRWSA for their six-billion gallon reservoir expansion consisting of 3.8 miles of earthen embankment, 1.3 miles of steel pipeline, and other appurtenant structures. He was responsible for coordinating the review of all contractor submittals and performing reviews of the geosynthetic, construction dewatering, and revegetation related submittals.

▲ Stormwater Treatment Area 1W Expansion #1, Palm Beach County, Florida (Project Technical Lead, EOR, and Lead Civil Engineer)

The project will convert 4,700 Acres of active farmland to wetlands to reduce phosphorous concentrations in surface waters from surrounding agricultural lands as part of the Everglades Restoration Projects program. Responsibilities included coordination and direction for multidiscipline project team spread across the United States and multiple company divisions coordinating.

Manatee Cooling Pond Soil Cement Replacement Project, Parrish, Florida (Construction Management/ Dam Safety Engineer)

Bill was responsible for all site civil work associated with the cooling pond dam including embankment ramps, roads, miscellaneous stormwater conveyance features. Activities included development of design drawings and specifications, review and approval of contractor work plans.



FELIPE GARCIA QUALITY CONTROL

Education

MANAGER

MS/MSc, Civil Engineering and Construction Management, University of Illinois, Champaign, Illinois, 2000

BS/BSc, Civil Engineering, UNE-FA, Maracay, Venezuela, 1998

Registrations

Professional Engineer: Colorado Florida (pending)

Office Location

Denver, Colorado



Felipe has 18 years of experience, with 15 years focused on the design and construction of dams and hydraulic structures. His experience ranges from the planning, evaluation, and design to construction oversight and engineering support during construction. Felipe has had direct involvement in the civil/ geotechnical aspects of 42 dam related projects for the municipal and mining industries. In addition, Felipe has been the project technical lead for several dam related projects involving multi-disciplinary teams, such as the design of the Los Diques TSF project, which included the preparation of drawings and technical specifications for the tailings and water conveyance system, as well as the Starter Dam and subsequent embankment raises.

EXPERIENCE

A Peace River Reservoir Expansion, DeSoto County, Florida (Lead Civil Engineer)

Lead civil engineering designer overseeing the final design, including the preparation of budgets, final design drawings and technical specifications for construction of the project. Tracked and reported costs, and coordinated with cost estimators. Finalized the stormwater control features and associated structures of the project in accordance with State and local regulations. Coordinated and finalized the reservoir operations analysis, including routing of the design storm through the spillway and downstream structures for a range of operating conditions, as well as sizing and operations of low-level outlet works to meet the project requirements.

Gross Reservoir Expansion Project, Boulder County, CO (Deputy Project Manager)

Felipe is the Design Manager and Deputy Project Manager for the Gross Reservoir Expansion (GRE) project, which includes final design services to raise the existing 340-foot high Gross Dam-concrete curved gravity dam. The 131-foot raise will be developed using Roller-Compacted Concrete (RCC), which will be the largest raise of a concrete dam using RCC in the world. The objective of the GRE project is to raise the existing Gross Dam to a final height of 471 feet, increasing the storage capacity from approximately 42,000 AF to about 119,000 AF. The current design concept considers a modification of the basic structure of the dam from a curved gravity structure to a thick arch structure.



CHRISTINE WEBER PhD, PE TECHNICAL LEAD: RESERVOIR

Education

PhD, Civil Engineering, University of Texas, Austin, Texas, 2008

Registrations

Professional Engineer: Colorado Texas Florida (pending)

Publications

"Performance Evaluation of Interior Slope Protection During Reservoir Drawdown"

"No Cracking Up – This is Serious: Soil Cement Slope Protection Design and Performance"

"Design of a Geosynthetic Drainage System for Soil-cement Slope Protection Subjected to Drawdown Conditions"

Office Location

Houston, Texas



Christine is a Geotechnical Engineer with 12 years of experience. She has supervised design and engineering analysis activities for dams, water reservoirs/storage facilities, water conveyance structures, mine tailing management facilities, and mine remediation/ closure and has performed embankment dam safety inspections. Her expertise in engineering analysis includes static slope stability calculations and modeling, two-dimensional and three-dimensional seepage analysis, static settlement analysis, and internal erosion evaluations. She has experience in planning and implementing geotechnical field investigations and leading seismic hazard assessments, seismic deformation analysis, and liquefaction assessments.

EXPERIENCE

A Peace River Reservoir Expansion, DeSoto County, Florida (Geotechnical Engineer)

Christine performed coupled seepage and slope stability analyses to evaluate the geosynthetic drainage system to be installed prior to placement of the interior slope protection. She developed an instrumentation plan for the interior slope of the embankment. She performed QA on the drilling logs obtained from the installation contractor and evaluated data obtained from the instrumentation in the early startup phase.

Gross Reservoir Expansion Project, Boulder County, CO (Lead Seismic Engineer)

Christine led the development of spectrum-compatible time histories to be used in the seismic design analyses to be performed for the Gross Reservoir Expansion Project. Three sets of three-component time histories were developed for the design response spectrum defined as part of the SHA updated in 2017. The record parameters before and after spectral matching were compared and were within the range of record parameters predicted for the design event. The work was reviewed by the FERC.

Chimney Hollow Reservoir Project, Loveland, CO (Dam Engineering Analysis Lead)

The main dam will be a 360-ft tall asphalt core rockfill dam (ACRD). Analyses include finite-difference dynamic deformation, finite-element seepage, and static slope stability. Christine performed the 2D finite element static deformation analysis of the ACRD using PLAXIS to evaluate the stresses and strains acting in the core trench and across the asphalt core.



RAYMOND DENNIS III PWS, FAA REMOTE PILOT TECHNICAL LEAD: ENVIRONMENTAL

Education

Bachelor of Science, Biological Sciences (Aquaculture), Florida Institute of Technology, Melbourne, Florida, 1995

Registrations

Professional Wetland Scientist #2054, Society of Wetland Scientists

Open Water Diver, Professional Association of Diving Instructors

Certifications

United States of America Department of Transportation -Federal Aviation Administration Remote Pilot (FAA Cert. No. 4072284)

Office Location

Tampa, Florida



For more than 24 years, Raymond has dedicated his career to assisting clients in achieving their project objectives while protecting and restoring natural resources. The focus of Raymond's scientific training and experience has been on coastal and freshwater wetland ecology, regulatory policy, habitat restoration, and wildlife management with project experience in the Southeast United States, the Caribbean, and the Middle East. His experience includes comprehensive project environmental impact assessments requiring the detailed study of environmental features and baseline conditions, including the identification of important biological systems, protected flora and fauna and their habitats.

EXPERIENCE

Hillsborough County Northwest Regional Water Reclamation Facility Expansion Design-Build, Hillsborough County, Florida (Wetlands) Responsible for wetland impact assessment, wetland delineation, wetland mitigation planning, and permit applications and supporting documentation.

Districtwide Environmental Permitting Support, FDOT D1, Polk, Manatee, Sarasota, Lee, Charlotte, Collier, Hendry, Glades, Hardee, Highlands, Okeechobee, and Desoto Counties, Florida (Project Ecologist) Project Ecologist responsible for wetland delineations and permitting support.

Port Manatee Berth and Turning Basin Expansion Seagrass Mitigation Project, Manatee County, Florida (Project Manager/Ecologist)

Responsible for the transplantation of over two acres of shoalgrass (Halodule wrightii) into various seagrass mitigation areas in Tampa Bay, Florida.

Hillsborough County 2nd Street Bridge Replacement, Hillsborough County, Florida (Ecologist)

Responsible for providing ecological services to support the project design review and environmental resource permitting for the replacement of the structurally compromised 2nd Street Bridge located in Ruskin, Florida (Hillsborough County).

New St. Pete Pier Environmental Resource Permitting, St. Petersburg, Florida (Lead Ecologist)

Responsible for developing environmental components to the local, state, and federal ERPs for the New St. Pete Pier Project including the pier design concepts.



TRACY ANDERSON PE TECHNICAL LEAD: PIPELINE

Education

BS, Civil Engineering, Arizona State University, Tempe, Arizona, 1995

Registrations

Professional Engineer:

Florida Arizona Louisiana Colorado Tennessee (Pending)

Office Location

Sarasota, Florida



Tracy is a Senior Project Manager with over 20 years of experience in planning, engineering, management, and construction of multi-disciplined municipal infrastructure projects. He has been directly involved in the engineering and construction of major transmission pipelines, water and wastewater treatment facilities, pump and lift stations. His proactive approach to problem solving, strong project/team management skills, and consideration of the client's needs and project goals allow him to build a solid working relationship with the client which establishes the foundation for successful project delivery.

EXPERIENCE

Rosemont Copper Well Water Collection System and Fresh Water Delivery System, Tucson, Arizona (Design Manager)

Project involved planning and design for a groundwater supply system and raw water pumping and conveyance system for the new Rosemont Copper Mine. The system includes over 17 miles of 18- and 24-inch diameter steel, and HDPE raw water transmission pipeline and 2 booster pump stations providing more than 2,800 ft of hydraulic head. Each booster station includes six 600 hp pumps.

Water Resource Centralization Project, Canyons Pump Station and Potable Water Transmission Main, Parker, Colorado (Conveyance Team Lead)

Project involved detailed design and construction phase services for the design of facilities and infrastructure to centralize the towns groundwater treatment facilities at two locations. The design includes two greenfield water purification facilities and upgrades to 10 remote groundwater well facilities. Project conveyance system included +/-45,000 If of HDPE pipe (8- to 20-inch) installed throughout the Town and an additional 25,000 If of 36-inch steel pipe for finished water conveyance to a neighboring community. The project was delivered using Progressive DB approach.

Central Arizona Project Pipeline to Santan Vista Water Treatment Plant, Gilbert, Arizona (Project Manager)

Project manager who led the planning, pre-design, detailed engineering, utility investigation/coordination, permitting, survey, ROW acquisition coordination, and construction phase engineering for this Progressive D-B project of 12-miles of 48-inch diameter ductile iron, raw water transmission pipeline.



CARLYN O'REILLY PE CONSTRUCTION MANAGER

Education

Bachelor of Science, Civil Engineering, The University of Toledo, Ohio, 2005

Registrations

Professional Engineer: Florida

Office Location

Tampa, Florida



Carlyn effectively administers construction projects in accordance with contract plans, documents, and permits. She has experience in overseeing contractor activities for contract compliance, reviewing contractors' month pay requisitions and making determination for appropriate payment, preparing supplemental agreements and work orders, conducting weekly progress meetings, and reviewing and providing final dispositions of material incorporated into the project based on test data. Carlyn serves as a liaison with utilities companies, property owners, governmental representatives and others; reviews project plans and specifications during design phases; and provides constructability comments and recommendations. Carlyn also possesses the ability to proficiently execute the role Primavera contract manager.

EXPERIENCE

A Peace River Reservoir Expansion, DeSoto County, Florida (Project Engineer)

Carlyn leads the project team with all aspects of services to this client to include routine monitoring and reporting to FDEP on embankment performance, dam safety training, and emergency action plan updates. The scope of her responsibilities include training, quality control, oversight and supporting facility staff as they develop these reports for FDEP. This project has been ongoing since initial filling of the reservoir in 2009.

Stormwater Treatment Area 1W Expansion #1, Palm Beach County, Florida (Senior Engineer)

The detailed design of this site included evaluation of seepage, stability, piping potential, and settlement of the embankment. As part of the preliminary and final design. Carlyn generated the material quantity estimates for several classes of excavation.

Manatee Cooling Pond Soil Cement Replacement Project, Parrish, Florida (Construction Management/ Dam Safety Engineer)

The cooling pond at the FPL Manatee Energy Center is an above-grade, offline reservoir located in Manatee County. Carlyn interacts directly with the Contractor, field staff, and design team to resolve project field design changes, submittals, and Requests for Information. She also monitors and reports performance data obtained on the dam while the work is in progress.



DOUG ECKMANN PE, BCEE TECHNICAL LEAD: INTAKE AND PUMP STATIONS

Education

MBA Economics, 1984, St. Edwards's University

Registrations Professional Engineer: Florida

Office Location

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Fort Myers, Florida

Doug has extensive experience in public water systems analysis, planning, design and construction. He has served as project manager on numerous engineering assignments for the Peace River Manasota Regional Water Supply Authority (PRMRWSA) since 1996.

EXPERIENCE

▲ Peace River Reservoir Expansion, DeSoto County, Florida, DeSoto County, Florida (Project Manager) Project Manager for design, permitting, and services during construction increase the capacity of the river pumping system from 36 MGD to a firm 90 MGD (120 MGD maximum) at the maximum discharge head (full reservoir) scenario.

▲ PRMRWSA, Peace River Facility, Desoto County, Florida (Project Manager). Project Manager for re-rate study and design of minor modifications to increase permitted capacity of the Regional Water Supply Facility to 54 MGD finished water production capacity.



TRUDI WILLIAMS PE

ITR

Education

BS, Civil Engineering, 1981, Florida International University

Registrations

Professional Engineer: Florida

Office Location Fort Myers, Florida

CONSULTING ENGINEERS

Trudi's appointment to the South Florida Water Management District Governing Board, and subsequent election to Board Chair, provided her with hands-on experience addressing complex regional issues and balancing conflicting interests for water resources. She is experienced in the evaluation of competing interests, public presentations and water resource issues.

A Peace River Reservoir Expansion, DeSoto County, Florida (Principal in Charge)

Principal -in -Charge for planning, design and services during construction for a 66 x 48 raw water gravity bypass for Reservoir #2 that in an emergency can provide raw water to the plant at a declining rate of 33 mgd at a water surface elevation of 56 ft to a minimum of 23 mgd at water surface elevation of 52 ft.

Stormwater Treatment Area 1W Expansion #1, Palm Beach County, Florida (Principal in Charge)

Principal-in-Charge and Quality Manager for design of a temporary gravity by-pass canal to allow construction of the G-729 Triple Gated Divide Spillway. Design required HEC-RAS Model for a Steady State design flow of 1,470 cfs. Canal was 100 ft wide and 13.5 ft deep to accommodate the design flow.



DAVE TOMASKO PhD

WATER QUALITY

Education

Ph.D. Biology, University of South Florida

Office Location

Tampa, Florida

ESA

David is an Environmental Consultant with more than 30 years of experience related to water quality assessments and the development of science-based resource management plans. David's projects have resulted in the development of water quality and natural resource restoration projects in a variety of locations, and his documentation of the source(s) of ecological problems has led to multi-million dollar and successful restoration efforts in numerous lakes and estuaries.

EXPERIENCE

Peace River Cumulative Impact Assessment, Southwest Florida (Task Manager)

This project for FDEP involved an assessment of the impacts to hydrology and water quality of the Peace River. The project intent was to determine the relative contribution to observed changes in flows and water quality due to various land uses. Served as task manager responsible for data collection and analysis and report writing on various components of the report.



ANTHONY JANICKI PhD MODELING

Education

Ph.D., Biology, West Virginia University, 1980

Office Location

St. Petersburg, Florida



Anthony is President and Founder of Janicki Environmental, Inc. His expertise is recognized in the areas of aquatic ecology, water quality modeling and assessments, monitoring program design, limnology, estuarine ecology, and biological assessments. Janicki Environmental, Inc. has been heavily involved in water quality issues related to Florida's Impaired Water Rule Total Maximum Daily Loads, Minimum Flows and Levels and Basin Management Action Plans.

Lower Peace River and Shell Creek Minimum Flows and Levels. Southwest Florida Water Management District

Anthony directed the development of minimum flows and levels for Shell Creek and the Lower Peace River. A regression model as applied to develop minimum flows in Shell Creek. A hydrodynamic model, developed by District staff, was applied in order to develop minimum flows for the Lower Peace River.

Little Manatee River MFL Technical Support, Southwest Florida Water Management District Anthony directed this effort which resulted in

recommendations for regulatory MFLs for both freshwater and estuarine segments of the river.





PROJECT EXAMPLES



Stantec's experience with the planning design and construction of off-stream reservoirs and pump stations with river intakes is truly world-class. Drawing from a portfolio of 97 reservoirs in the united states and 315 around the world we have unrivaled reservoir design experience and our local technical staff has extensive experience in their respective areas, including pump station, pipeline, embankment and spillway design. From our extensive list of representative projects, we have selected ten to illustrate our talents and experience on projects with features like those planned for Reservoir #3 which were delivered by our team members for PR³.

In this section, you will find our project experience. The writeups for each of our reference

projects are included on pages 38-40. **Project Features** Services Provided

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Project Name	Reservoir Siting	Above-Ground Storage	Intake/Water Control Structures	High-Hazard	Emergency Spillway	Geotechnical Investigations	Operational Planning	Engineering Analysis	Design	Permitting	QA/QC Inspection	Bid/Construction Management	
▲ Peace River Reservoir Expansion		-	-	-	-	•	-		-	-	-	•	
▲ Gross River Reservoir Expansion ¹				-	-				-	-	-		
🗟 Chimney Hollow Reservoir Project ¹				-	-				-	-	-		
m m A Stormwater Treatment (STA) 1 W Expansion #11									-	-	-		
🗟 Manatee Cooling Pond Replacement Project				-					-	-	-	-	
🛕 Dona Bay Watershed/Venice Minerals Reservoir									-	-	-		
🛕 Everglades Agricultural A-1 Reservoir				-	-					-	-	-	
🗟 Springbank Offstream Storage Reservoir				-	-				-	-	-		
🛕 C-51 Reservoir Independent Analysis	•		-		-	•	-	-			-		
🛕 Hancock County Flood Risk Reduction Plan					•		•	-					

¹ These three reference projects can be found in Section 12.



Peace River Regional Reservoir DeSoto County, Florida BUDGET: \$66M COMPLETION: 2009

We have had the pleasure of working for the Authority for the last 17 years on the design, construction, and post-construction monitoring of the Peace River Reservoir #2. We value our partnership with the Authority and have endeavored to continuously improve our level of service through thoughtful feedback provided by the Authority over the years. Given this history and close working relationship, we have elected to provide three references in Section 12 of the SOQ from other project examples. We take tremendous pride in the delivery of the Peace River Reservoir #2 project to the Authority, have relied on the experience gained from that project to bolster our qualifications, and assume the Authority will consider this project experience in their evaluation of Stantec's qualifications. By providing additional the references other than the Peace River Reservoir 2 project, we are hopefully providing the Authority with an opportunity to expand their understanding of the world class solutions Stantec, and this team in particular, have delivered to other owners.

This award-winning offline reservoir project provides approximately 6 BG of raw water storage from the Peace River. The site covers 800 acres with a subsurface slurry wall and engineered earthen embankment that is 4 miles long and rises to an average height of 35 feet above the existing grade.

Stantec

Stantec served as the Design firm, Construction Quality Assurance firm and Construction Manager responsible for review of contractor submittals, monitoring construction progress, evaluating contractor's project progress schedule updates, and documenting construction activities with respect to the contract plans and specifications.

In addition, Stantec developed the facility's Emergency Action Plan and provided tabletop training of facility personnel and regional emergency response personnel in the implementation of the plan. Operation and Maintenance Manuals were developed by Stantec for all components of the facility. Stantec continues to support the Authority in ongoing Dam Safety Program for Reservoir #2.

Key Personnel: Gary Wantland, Bill Weber, Jason Hedien, Carlyn O'Reilly, Christine Weber, Felipe Garcia, Don Montgomery, Paul Blaszczyk, Vik Negi, Camen Bernedo, Wonnie Kim, Mohammad Djavid, Carolyn Loar, Richard Barrie, and James Loucks, Sarah Laroque

Manatee Cooling Pond Replacement Project

Parrish, Florida BUDGET: \$66M COMPLETION: JUNE 2019 (CONSTRUCTION)



The cooling pond at the FPL Manatee Energy Center is an abovegrade, offline reservoir located in Manatee County. Stantec provided design of a concrete overlay system to protect the soilcement slope and quality assurance and quality control testing during construction. The quality assurance program developed for this project included permitting support, Quality Management Plan, a Design Quality Management Plan, a Construction Quality Management Plan, and several Inspection and Testing Plans. Stantec is managing the engineering and site QA/QC activities for the project.

A Dona Bay Watershed/Venice Minerals Reservoir

Laurel, Florida

BUDGET: \$250,000 COMPLETION: 2012



Venice Minerals is currently operating a site within this watershed to mine sand, shell, rock and topsoil. The 548 acre mine site was purchased by Sarasota County in 2004 who leased the property back to Venice Minerals to complete on-site mining within the next two to three years. Stantec completed a water storage study that involved evaluating potential water storage alternatives and developing a project plan for the Venice Minerals mine site. As part of the study, other on-going projects in the County that require significant earth-moving were evaluated as potential borrow sources for construction of the reservoir.

Everglades Agricultural A-1 Reservoir

Palm Beach County, Florida

BUDGET: \$54M COMPLETION: 2008



As part of the Acceler8 Program, Stantec provided technical guidance and deliverable reviews for the EAA A-1 Reservoir as originally envisioned under CERP. Other activities included leading the test cell construction program and the overwash testing program and geotechnical analyses to support the District's project manager and design team. Stantec also authored an embankment optimization study for this reservoir and conducted value engineering workshops.

A Springbank Offstream Storage Reservoir

Calgary, Alberta

BUDGET: \$160M COMPLETION: ONGOING



In the wake of devastating floods in Southern Alberta in 2013, Stantec was hired by the Alberta Water Management Section to design a mitigation strategy to temporarily divert water from the Elbow River to an approximately 18.5 billion-gallon offstream storage reservoir during extreme flood conditions. The proposed solution requires diversion structures in the Elbow River, diversion channels through the adjacent lands, a new bridge, an earth fill dam with low-level water outlets and roadway infrastructure. The diversion is designed to operate for floods from the 10% to 0.5% annual chance events with a maximum diversion capacity of 25,000 cfs.

▲ C-51 Reservoir Independent Analysis

Palm Beach County, Florida

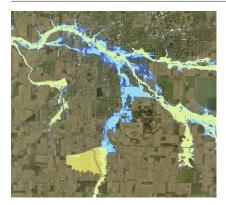
BUDGET: \$100,000 COMPLETION: 2014



The C-51 Reservoir is a proposed Public-Private Partnership under development by Palm Beach Aggregates, LLC with operations and maintenance support to be provided by the South Florida Water Management District and the Lake Worth Drainage District. Stantec, serving as independent review consultant to Palm Beach County, provided an independent review of the reservoir features provided in the 30% design documents and presented several cost savings suggestions. In addition, Stantec prepared a new Class IV (AACE) Opinion of Probable Construction Cost (OPCC) based on the latest project design.

A Hancock County Flood Risk Reduction Plan

Hancock County, Ohio BUDGET: \$160M COMPLETION: ONGOING



Hancock County experiences frequent and significant overbank flooding from the Blanchard River and its major tributaries, Eagle Creek and Lye Creek. Stantec, hired by the Maumee Watershed Conservancy District, recommended the Hancock County Flood Risk Reduction Program as an alternate to the diversion of Eagle Creek. Siting studies began with the development of stage storage curves at seven different locations and were analyzed to determine the storage areas' effectiveness in reducing peak flows. These storage basins were reviewed primarily for economical, technical, and environmental feasibility.



8 PROJECT APPROACH

PROJECT UNDERSTANDING

The Peace River Manasota Regional Water Supply Authority's (Authority) Water Resiliency Assurance Plan (WRAP) is a continuing program of infrastructure improvements to support regional water supply resiliency and meet growing drinking water needs across the four-county area serviced by the Authority. As part of the WRAP, the Authority will develop at least 15 MGD of additional drinking water supply capacity through an expanded surface water supply facility at its Peace River Facility complex. Development of this expanded capacity requires increased withdrawal capacity on the Peace River, increased water treatment capacity, and an additional off-stream raw water storage reservoir. The additional offstream reservoir and the increased river pumping capacity compose the Peace River Regional Reservoir Project (PR³).

The Authority's Water Use Permit was modified in February 2019, authorizing an increase in maximum withdrawal rate from the river from 120 MGD to 258 MGD. The Authority's permitted withdrawal schedule enables the harvest of a small percentage of high flow from the river for offstream storage and supply to the Authority's Peace River Water Treatment Facility.

PR³ is expected to start in Spring 2020 with a feasibility study and conclude in 2030 with initial filling of Reservoir #3. Based on our long-standing relationship with the Authority, Stantec's project team has extensive knowledge of the R.V. Griffin Reserve, Reservoir #2, existing on-site conveyance pipelines, and intake pump station. We will leverage that knowledge and lessons learned from the design, construction, and operation of Reservoir #2 and the existing intake to provide the Authority with a feasibility evaluation of the proposed reservoir and intake siting that will yield a cost-effective layout with a footprint that minimizes impacts to the site's environmental resources. The study will identify how PR³ can be implemented without interrupting operation of the existing on-site storage and treatment facilities that will provide additional flexibility once in operation.

FEASIBILITY STUDY AND SITING

The scope of the feasibility study includes four key components: (a) expand or construct a new raw water intake pump station on the Peace River, (b) provide conveyance pipes to transfer collected raw water, (c) additional above-ground raw water storage capacity, and (d) environmental permitting to mitigate the impacts associated with the expansion.

STATEWIDE STANDARDS

Since there were no formal regulations establishing reservoir design criteria in Florida, criteria were developed for SFWMD's Everglades Restoration Projects that now serve to guide the FDEP in permitting future reservoirs. These criteria have become the defacto statewide regulatory standard for design/ operation of water storage reservoirs.





OUR TEAM

Stantec's river intake team has been responsible for the design and/or construction for over 40 new or rehabilitated intakes in the last 20 years. We have extensive experience addressing site specific challenges of varying seasonal demand and facility optimization for normal and extreme conditions.

The success of this project depends on the ability of each component to perform as intended, to perform as an integrated reservoir system, and to expand existing capabilities with enhanced operational flexibility by integrating with the existing infrastructure. Stantec's approach to this project includes evaluating and assessing the requirements of each component and the combined system to successfully meet these objectives.

OPERATIONAL PLANNING MEETINGS AND WORKSHOPS

The feasibility phase of the project will start with a series of meetings and workshops to understand the operational requirements the Authority is seeking with PR³ as well as the constraints Authority staff feel are important to incorporate into the design and construction of PR³. A stated project goal is to successfully integrate the expanded capability from PR³ to the Peace River Facility without disrupting the current delivery of treated water to the Authority's customers. Stantec will use these workshops to gather information from Authority staff on project goals such as resiliency needs, operational flexibility, key safety issues or concerns, and other performance requirements. Stantec's project team will also use these meetings to identify potential options for the proposed system components and work with

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Authority staff to evaluate potential options for consideration. This step will generate a preliminary set of options that can be further evaluated through site investigations and engineering assessments. The deliverable for these workshops will be a technical memorandum summarizing the options considered as well as those being advanced for further evaluation. The technical memorandum will be submitted to the Authority for review and comment.

SITING & CAPACITY STUDIES - RESERVOIR

Preliminary Siting Study

Identifying potential sites for Reservoir #3 will start with reviewing siting studies performed by others in 2016, considering the alternatives and selection criteria used in these previous siting studies. We will review information on the potential sites and the screening methodology used in the previous studies for possible application in the current study.

The Stantec Team will complete topographic, land-use, and environmental surveys to obtain information needed for reservoir siting and for developing a preliminary layout of the new reservoir. Siting will consider the suitability of foundation soils based on existing subsurface data and geotechnical data collected during the Phase 1 site investigation.

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PROJECT SCHEDULE

PR3 SITING AND FEASIBILITY STUDY DESIGN AND PERMITTING CONSTRUCTION RESERVOIR FILLING/COMMISSIONING PROJECT COMPLETION Potential sites suitable for Reservoir #3 will be identified based on an inspection process using threshold criteria established for the facility by the Authority and the Stantec Team. We will develop sketches (preliminary concept level only) of reservoir footprint and facility layout to ascertain compatibility of the available land to potential reservoir configuration and its relative location to Reservoirs #1 and #2. Stantec will develop a preliminary reservoir layout for further design development.

Identified cost and non-cost evaluation factors will be summarized for each potential Peace River Reservoir #3 site. The site will be characterized using desktop studies based on GIS and topographic maps and other available data. We will compile aerial photographs and ortho-quad topographic maps depicting site history for selected time periods for evaluation. Criteria for evaluating potential sites include:

- Historical and current land uses, including existing infrastructure
- Physical features, such as topography, drainage patterns, access, and existing easements
- Environmental features, such as wetlands, threatened and endangered species, geohazard concerns, and cultural resources
- Engineering/construction features, such as conveyance length/alignment, soil conditions, availability of borrow sources, watershed area, and site preparation requirements
- Other factors, such as dam breach concerns/ impacts, proximity to raw water supply, and relocation requirements

We will develop a relative cost for each site under consideration. Cost considerations for each site will include the following:

- Wetland restoration costs
- Threatened and Endangered Species mitigation costs
- Pipeline corridor costs to tie into the existing raw water supply and distribution
- Relocating and/or modifying existing infrastructure, such as pipelines

Reservoir construction costs

The R.V. Griffin Reserve is split between two watersheds, which will impact mitigation requirements and complicate environmental permitting for the site. Our team member, Earth Balance, has performed a preliminary evaluation of wetland quality and developed a tool for evaluating impacts to support reservoir siting with respect to potential wetland impacts (process described in Ecological Assessment and Mitigation Evaluation Section).

Potential Peace River Reservoir #3 sites will be ranked using a relative weighted ranking system for the considered categories. The weighting factor for each item is based on the importance to the overall project. Each site will be ranked based on this score, with the maximum score indicating the best reservoir site of those considered.

Phase 1 Site Investigations

Through Stantec's work on Peace River Reservoir #2, we have a deep understanding of subsurface conditions below the R.V. Griffin Reserve (Reserve) area in and around Reservoir #2. Soils in the vicinity of Reservoir #2 generally consist of interstratified layers of fine sand, silty sand, and clayey sand to depths of approximately 40 to 50 feet below the ground surface, underlain by a low permeability confining layer of sandy clay/marl materials. However, soils variability is likely across the Reserve and it is important to understand soil conditions in areas considered for the new reservoir site.

After review of available geotechnical information in the reserve, we will conduct a limited geotechnical investigation under the Phase 1 Site Investigations to collect subsurface data for use in selecting the reservoir site, developing a conceptual reservoir design, identifying potential borrow sources and excavation depths, and assessing the water-holding characteristics of soils. The investigation will provide a better picture of the soil conditions across the Reserve, particularly in areas being considered for Reservoir #3.

The newly collected data will be compared to the existing dataset available from the Reservoir

CHALLENGES AND SOLUTIONS: RESERVOIR SITING

Achieving Operational Flexibility through Successful Evaluation of Siting Options



1 Reservoir #3 Site Selection

Issue - Selection of the site for Reservoir #3 requires evaluation of a significant number of competing factors to achieve the optimum location.

Feature - Stantec's project team will evaluate key environmental and engineering factors to identify the optimum site for Reservoir #3, including proposed capacity vs. the available area, reservoir perimeter to area and spillway conveyance alternatives.

Benefit - Selection of the optimal site for Reservoir #3 which will successfully expand site operations.

2 Reservoir #3 Operating Flexibility

Issue - Gravity discharge of raw water from Reservoir #3 presents challenges for low-level (elevation) flow volumes.

Feature - Evaluate the value of including a booster pump station at Reservoir #3 to improve raw water discharges from the reservoir facilitating transfer of the stored volume to other onsite storage or treatment units.

Benefit - Improved ability to use the full operating range of Reservoir #3 as well as improved integration of Reservoir #3 into site infrastructure.

3 Integration of Reservoir #3 into Site Operations

Issue - Transferring raw water from Reservoir #3 to Reservoir #1 may overly rely on the Reservoir #1 pump station.

Feature - Stantec will evaluate current site operations to identify and prevent "bottlenecks" in how raw water is transferred to the site treatment plant. Our design will minimize reliance on the existing Reservoir #1 pump station.

Benefit - Improved resilience with site operations and increased operation flexibility.

#2 investigation and construction to develop a set of geotechnical parameters for use during identification of potential reservoir locations. The geotechnical data collected during the investigation will also provide a basis for the typical embankment cross-section and seepage control required for the new reservoir. Additionally, the information gathered will be helpful by providing information relevant for evaluating potential conveyance alignments.

Reservoir Geometry

The Stantec-developed tool Reservoir Cost Optimization Model (ResCOM) will be used to evaluate reservoir design alternatives. ResCOM is a flexible tool developed as an analytical aid for selecting embankment configurations (e.g., the perimeter length and cross-sectional layout) and optimizing the reservoir design and embankment by considering key project-specific features.

Stantec will evaluate alternatives to develop a conceptual design for the Reservoir #3 embankment. We will develop alternative Reservoir #3 layouts that provide the desired reservoir storage capacity (at least 6 billion gallons). Using ResCOM, we will perform a comparative cost analysis of the alternative layouts by optimizing key items. These include seepage, evaporation, and sufficient freeboard to prevent overtopping in the event of large storm/ wind events, which are ultimately related to finding the balance between surface area of the reservoir, embankment geometry, and earthwork. Embankment safety is a critical consideration in developing the reservoir layout.

Once the initial cost comparison model has been completed, a client workshop will be held to review the variables and the potential effect of changes in the configuration and/or cross-sections of the performance and cost of the structure, and to guide selection of the preferred conceptual design layout. At this workshop, Stantec will present the ResCOM analysis and recommendations.

We will summarize the siting study results and recommendations in a technical memorandum and provide it to the Authority for review and comment.

Site Selection and Reporting

Once the reservoir layout and geometry are selected, we will develop an embankment design using the results of the Phase 1 geotechnical investigation as well as the results of the environmental assessment for potential impacts. This will advance project permitting and develop design criteria and initiatives for the final project design stage. Evaluations performed in support of the feasibility-level design include typical embankment cross-section, seepage through the embankment and foundation, and embankment slope stability. We will also complete an embankment failure study as part of the feasibility study.

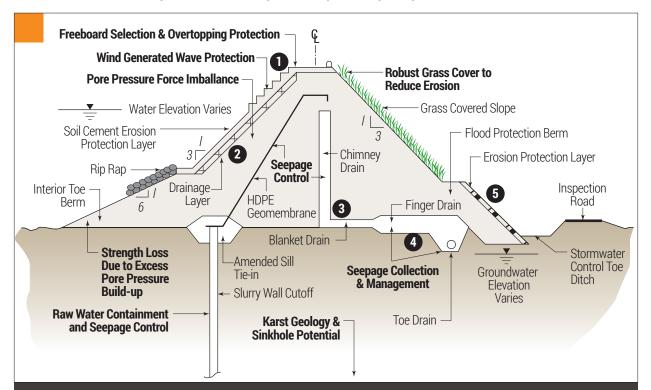
For the embankment cross-section, we look to the performance of Reservoir #2 since first filling. As a whole, the embankment design for similarly sized Reservoir #2 has performed well over the years and provides a proven example on how to approach the design of Reservoir #3.

We will conduct steady-state seepage analyses to estimate the phreatic surface through the body of the embankment, to properly design and size filters, and to size drains and piping systems to safely carry seepage away from the embankment. The drainage system for the embankment is important for maintaining safe operation of the dam, particularly with respect to internal erosion potential and stability. The stability analyses will consider anticipated operational conditions and rapid drawdown of the reservoir level using simplified methods, such as the three-stage rapid drawdown method developed by Duncan, Wright and Wong (1990). The feasibility-level seepage and stability analysis will be used as the basis for the preliminary design analyses to be performed in the next phase.

To assess safety and risk associated with Reservoir #3, Stantec will perform an embankment failure study (or dam break analysis) utilizing the DAMBRK software developed by the National Weather Service, or other appropriate programs. The analysis produces estimated flood hydrographs that may result if a release were to occur in an uncontrolled manner. Stantec has performed dam break analyses for many water

CHALLENGES AND SOLUTIONS: EMBANKMENT AND FOUNDATION

Unmatched Knowledge of Dam Design and Operating Requirements



1 Dam Over Topping Protection and Freeboar Selection

Issue - Hurricane generated storm event causes overtopping of the reservoir impacting the safety of the dam.

Feature - Select a dam crest elevation that prevents overtopping based on worst-case evaluation of potential coastal storm impacts including wind speed, rainfall, storm velocity and duration.

Benefit - Reservoir will perform under the most severe conditions without failure or loss of service reducing the cost of construction by optimizing the dam's crest elevation.

2 Upstream Slope Stability and Soil-Cement Erosion Protection Layer

Issue - Seasonal changes to the reservoir water surface elevation could cause damage to the erosion protection layer or instability in the upstream slope of the embankment.

Feature - Design will include a drainage layer beneath the soil-cement layer to dissipate pore pressures to minimize strength reductions and prevent a force imbalance across the layer.

Benefit - Reliable reservoir design that will perform as intended during the entire range of reservoir water elevations.

3 Seepage Control, Collection and

Issue - Seepage through embankment compacted fill could lead to excessive pore pressures, slope instability and piping within the dam or the foundation.

Feature - Design will include a seepage control

barrier consisting of a geomembrane in the dam and a slurry wall within the foundation soils. Seepage collection will be via a chimney drain and drainage collection system in the downstream section of the dam.

Benefit - Provides reliable reservoir operations that will perform as intended with minimal maintenance.

4 Toe Drain / Manhole Seepage Monitoring System

Issue - Groundwater contains bacteria that generate significant volumes of iron slimes in the toe drain and seepage <u>monitoring</u> system.

Feature - Design toe drain elevation to minimize groundwater collection. Select toe drain clean-outs and manhole locations to match sanitary sewer design features Benefit - Inspection and maintenance of seepage collection pipes using readily available municipal stormwater and sewer system equipment and services.

5 Co-Location of Above Grade Reservoirs

Issue - Siting above-grade reservoirs on the R.V. Griffin Reserve require additional protection in the event of a dam break.

Feature - Design will include a flood protection berm and erosion protection material to minimize impacts to the embankment in the event of a breach of the adjacent reservoir.

Benefit - Minimizes loss of raw water impounded on the site and repairs to both reservoirs.

storage reservoirs throughout the world, including Reservoir #2, and Stantec performs or participates in dam break analyses for new reservoirs we design. The dam break analysis will need to consider the impact of a dam breach on the adjacent Reservoir #2 (and vice versa). The results will inform the preliminary design of Reservoir #3, particularly how to protect against an adjacent breach.

Opinion of Probable Construction Cost

The Stantec Team will develop cost estimates based on the preliminary design of the reservoir and will evaluate the cost-effectiveness of various design scenarios. While the varving bidding climate in Florida makes this task more difficult. Stantec maintains a database of key cost items for reservoir construction which provides valuable backup for developing the Opinion of Probable Construction Cost (OPCC). We will develop an OPCC based on the guidelines of the Association for the Advancement of Cost Estimating (AACE) Recommended Practice No 18R-97 Cost Estimating System for a Class 4 estimate. The expected accuracy range for this level of estimate is typically -30 percent below to +50 percent above the predicted construction costs. This estimate is typically based on a project with 1 to 15 percent level of definition.

Presentation of Results

In addition to the siting and capacity study, the reservoir-related analyses (seepage, stability, and dam break) will be summarized in individual technical memoranda and provided to the Authority for review and comment. The Stantec Team will also generate a technical memorandum for the site selection process of the proposed new river intake system.

SITING & CAPACITY STUDIES - INTAKE

While modifying the existing intake to account for the increased withdrawal rates from the Peace River by the Authority, water supply system reliability could be significantly improved if a second independent intake and river pumping system were constructed under PR³. In consideration of the Authority's desire to develop redundancy and improve resiliency at the Peace River Facility, we will include siting a new and separate intake structure that can function independently from the existing river intake in the intake study evaluation. Locating the second intake structure upstream of the existing intake structure will meet the objectives of redundancy and increased resiliency.

River intakes present unique challenges with regard to aquatic species protection, seasonal fluctuation in flows, and issues regarding water levels and water withdrawals. The Stantec Team proposes to perform a siting study that will identify the intake location and size capable of meeting the maximum allowable withdrawal limits. We will evaluate alternatives for water diversion, grit collection and removal, screening (coarse to fine), and intake pumping requirements as part of the intake siting study.

The Stantec Team will evaluate intake locations that include a modification to the existing intake structure and those upstream of the existing intake structure. We will also evaluate a new station located farther from the riverbank through the construction of a dredged inlet quay that will provide enhanced flood protection and can be designed to potentially limit saltwater intrusion during periods of low river flows. We will use a safety factor for sea-level rise projections in the design of the intake and pumping facilities. This safety factor will be developed with Authority staff during the feasibility workshops.

Major factors to be considered in the PR³ intake siting evaluation are:

- 1. Identifying available sites and comparing permitting challenges at each available site
- 2. Comparative life-cycle pumping energy consumption
- 3. Access roadways alignment and access for maintenance
- 4. Raw water pipeline alignment, evaluation of surge, and reservoir safety backflow
- 5. High voltage (4160V) underground power supply and standby power supply outside the floodplain
- 6. Protection from 500+ year flood elevation, flood

debris, surge, and storm resilience

7. Long-term maintenance costs (e.g. dredging)

Siting a new intake will be challenging. The new intake will need to be constructed on Authority property or property that can be acquired, such as that owned by the State or Water Management District. Siting a new intake structure will require extensive environmental clearances and permitting by several agencies.

Presentation of Results

In addition to the siting and capacity study, the reservoir-related analyses (seepage, stability, and dam break) will be summarized in individual technical memoranda and provided to the Authority for review and comment. The Stantec Team will also generate a technical memorandum for the site selection process of the proposed new river intake system.

ECOLOGICAL ASSESSMENT AND MITIGATION EVALUATION

Federal and state environmental laws mandate that impacts to aquatic resources be completely offset by mitigation. While this has long been the practice, federal rules adopted in 2008 (after Reservoir #2 was permitted) strengthened the requirement and provided useful quidance to project proponents. Mitigation banks are authorized to create successful mitigation in advance of impacts and are now preferred over other alternatives. While the Authority may either buy credits from a mitigation bank or create its own mitigation project, the mitigation for each impact must occur in the same watershed as the impact and be for the same type of wetland that was impacted. There are two watersheds that could be impacted by the new reservoir (Myakka or Peace River) and two types of wetlands impacted (forested and herbaceous).

Most public agency project proponents prefer buying credits from a mitigation bank to avoid liability for mitigation success of a self-performed project and the perpetual management of the mitigation area. Within reasonable cost limits, the Authority's best option may be to buy mitigation credits for a one-time known cost, rather than to incur the cost, uncertainty, and contingent liability of managing a mitigation project in perpetuity.

Against the above regulatory background, the Authority will need to optimize several mitigation variables. If built on or adjacent to the Reserve, the proposed reservoir may be either in the Myakka or Peace River watersheds or straddling both watersheds. For the two types of wetlands impacted, the amount of credits needed will depend of the functional value of the impacted wetlands. Higher value wetlands require more mitigation credits than lower value wetlands (as calculated using the Uniform Mitigation Assessment Methodology). While appropriate types of credits are available in each watershed, the price of credits vary between the two watersheds.

Beyond the above mitigation credit variables, there are site constraints to consider. If the proposed reservoir is southwest of the current reservoirs on the R.V. Griffin Reserve, the 42" pipeline running east-west across the Reserve may have to be relocated. If directly west, the new reservoir would likely impact the high value wetlands created as mitigation for the second reservoir. If northwest, privately owned land may need to be purchased. Each of these costs will need to be evaluated to optimize the location of the new reservoir, relative to the cost of buying wetland mitigation credits.

Before completing engineering optimization of the reservoir configuration, the initial footprint of the reservoir will need to be optimized for location with respect to minimizing wetland impacts while minimizing costs to account for differential credit pricing between watersheds, the potential differences in cumulative functional values of impacted wetlands, differences in land costs between using R.V. Griffin Reserve and private land, and the cost of pipeline or other infrastructure relocation.

We will perform this complex optimization using GIS models developed by the Stantec Team, wherein wetland functional value and type data, cost data and regulatory boundaries will be loaded as independent variables against which the dependent variable (footprint location) will be evaluated. Because our team has proven experience permitting impacts and developing mitigation credits on adjacent sites, we will be able to estimate the functional values that federal and state agencies will accept in future permitting. The GIS model will allow the potential footprint location to be evaluated for mitigation cost, which will be incorporated into the Preliminary Siting Study for the proposed reservoir.

The GIS model will easily be able to evaluate additional impacts that may arise as the design is further refined and adjust the overall footprint in an iterative manner to assess total wetland impacts.

We will evaluate mitigation credit costs for various location footprints against the cost of the Authority performing its own mitigation in the two likely watersheds. The one-time cost of mitigation credits for large projects normally exceeds the nominal cost of self-performed mitigation, when suitable land for mitigation is available. Suitable available land for mitigation, however, is scarce and self-performing mitigation usually leads to project permitting delay, additional downstream costs, and may lead to unforeseen cost overruns when nature fails to cooperate with restoration plans. The Florida Department of Transportation has long recognized this trade-off and the Stantec Team will look at their history of credit purchases in the Myakka and Peace River watersheds to develop guidelines for reasonable credit pricing.

PRELIMINARY DESIGN Basis of Design Report

Stantec will prepare the Basis of Design Report that will document the pertinent schematics, design concepts, engineering approaches, application of experiences from similar projects, cost estimates, required permits and fees, permitting schedule, project construction schedule, equipment lists, sample specifications, performance criteria, operational control strategy, conceptual layout of facilities, and other design criteria to help inform stakeholders prior to the commencement of final design.

Reservoir Design

The preliminary design for the reservoir will

consider the conclusions and recommendations from the feasibility study and advance the conceptual design. Evaluations will include potential borrow sources and excavation depths, evaluating settlement, slope protection, seepage cutoff, and fill placement and compaction requirements, in addition to more sophisticated seepage and stability analyses.

As discussed for the feasibility study, the embankment cross-section will be modeled after that used for Reservoir #2. We will employ the lessons learned over the course of construction and a decade of successful operation of Reservoir #2 to improve upon the design of Reservoir #3. Enhancements and refinements in the design of the toe drain (e.g. shorter distance between manholes to improve maintenance), the berm at the toe of the interior slope (e.g. erosion protection), and the zoning of piezometers (e.g. shorter screened lengths) will be carried forward in the design of Reservoir #3.

Additionally, Stantec will evaluate constructing Reservoir #3 entirely above the groundwater table. Reservoir #2 was constructed partially below the natural groundwater level (southeast side) and partially above natural groundwater level (northwest side). This has interfered with operation of the toe drain for the embankment, as the seepage measurements are capturing primarily groundwater at the southeast side rather than the seepage flow from the dam. The Stantec Team will take this knowledge into consideration for the design for Reservoir #3 to allow for improved operation of the toe drain system.

As with Reservoir #2, a seepage cut-off is required to reduce raw water loss and prevent development of high pore pressures and exit gradients at the downstream toe of the embankment. The cut-off wall would extend to the underlying low permeability confining layer and would tie into a key trench with the geomembrane liner for the entire perimeter of the embankment. We will evaluate the effectiveness of the seepage cut-off as part of the seepage analysis.

We will perform coupled transient seepage and stability analyses for Reservoir #3 to evaluate rapid drawdown conditions anticipated during operation of the facility, similar to the work that was done for Reservoir #2. Specifically, the coupled analysis will evaluate the uplift pressures acting on the interior slope protection, which will be used to define the drain system beneath the soil cement, and the stability of the interior slope due to the pore pressures during rapid drawdown. Additional seepage analysis will be performed to advance the drain design and to evaluate the effectiveness of the seepage cut-off in the foundation of the embankment.

Stantec will also develop an instrumentation system for monitoring of embankment performance during reservoir operation, which will include an Automated Data Acquisition System (ADAS). We will apply lessons learned from Reservoir #2 instrumentation program to Reservoir #3. Piezometers will be installed with more isolated screened zones, targeting specific embankment features. Our team will consider the challenges of monitoring the seepage flumes using the ADAS in developing the instrumentation program to minimize issues with bioaccumulation that interrupted service of the existing systems.

Phase 2 Site Investigation

Stantec will implement the Phase 2 geotechnical investigation program to characterize the soils underlying the selected reservoir site and to confirm the depth and continuity of the low-permeability confining layer at depth. A combination of drill holes and piezocone penetration testing (CPTu) will provide the best information on in situ soil conditions for this project. Drill holes advanced for the program will include Standard Penetration Testing (SPT) with split-spoon sampling to obtain information on the in situ strength of the various soils (SPT blow counts) and to obtain disturbed samples for soil classification testing in the laboratory. CPT soundings will also be conducted to obtain data on the type, strength, and permeability properties (by pore pressure dissipation tests) of the soils at the selected reservoir site.

Undisturbed samples will be taken at selected depths in the for strength, compressibility, and

permeability testing in the laboratory. Due to the difficulty of obtaining undisturbed samples of sandy soils, allowance will also be made for additional in situ strength testing of sandy soils by pressuremeter methods.

Drill holes and CPT soundings will be located along the perimeter of the reservoir, within the reservoir area, along the alignment of pipelines and access roads, and at the locations of control structures and other site utilities. Each drill hole will be advanced at least five feet into the clay/ marl confining layer to confirm it has been reached. It is important to define the depth to the underlying low permeability confining layer for the design of the seepage cut-off through the foundation beneath the embankment.

A geophysical survey will also be used to estimate the depth and continuity of the confining layer at depth, particularly between each of the drill holes and CPT soundings performed at the selected reservoir site. Either seismic refraction or electrical resistivity methods will be used. A geophysical survey will also be used to evaluate potential Karst geology at the proposed reservoir location. We will combine this technique with a lineament analysis following the guidance developed by Fountain and Associates (Investigation of Photolinears, 1995) and confirmation drill holes at lineament intersections and suspect areas based on geophysical results.

Test pits will be excavated within the reservoir footprint as required to define the borrow area material properties and extents. The number and depth of test pits will depend on the extent of various types of soils found at the site, and on groundwater and surface water/marsh conditions at the site.

Piezometers will be installed in selected drill holes to obtain information on groundwater conditions at the site (an important input in the seepage analysis), and to allow for in situ permeability testing at the reservoir site. In situ permeability testing will consist of slug tests in the piezometers, as well as falling head permeability tests, depending on material type.

Reservoir Water Quality Management

Reservoir #3 will have characteristics conducive to water quality degradation, such as elevated water temperature, abundant nutrients and substrate, and potentially low circulation. These conditions are similar to those found in Reservoir #2. Therefore, it is critical that we rigorously develop design and operational strategies to prevent excessive water quality degradation during storage. ESA will conduct water quality modeling within the reservoir to provide guidance on the reservoir shape and structural issues that might adversely affect circulation.

Design and Operational Approach

Reservoir design features have a significant impact on the hydraulic characteristics of the reservoir, and hence the propensity for water guality deterioration. Water within the reservoir has a residence time distribution, or different ages of storage. Avoiding dead zones and extended water ages is one design goal. In addition, vertical mixing is desired to minimize anerobic/anoxic conditions at reservoir sediment interface. Key factors influencing water age and stratification include, inlet/outlet location and configuration, reservoir shape, and potential baffling and/or mixing devices. The Stantec Team will use computational fluid dynamic (CFD) modeling to analyze and optimize the reservoir design alternatives and to develop hydraulic characteristics conducive to preventing excessive degradation of water quality during storage.

Stratification may still occur without an intervention system. Bubble plume diffusers and surface mechanical mixers with draft tubes will be evaluated. We will use our experience gained during operation of Reservoir #2 to identify and select options to be evaluated.

Site Selection and Capacity

The selection of the site and capacity of the new reservoir will be finalized in the preliminary design phase. Integration of Reservoir #3 into the Peace River system will be considered, including evaluating the location of the emergency spillway for Reservoir #3 and how it might interact with the existing emergency spillway for Reservoirs #1 and #2.

Design Basis Memoranda Evaluations

The State of Florida does not have specific dam regulations associated with water supply reservoirs, however Stantec Team members worked to develop a series of Design Criteria Memoranda (DCM) of various design elements which remain in use by FDEP, Florida's various water management districts other local consultants as the de facto standards for the region. We will summarize evaluations based on each of the applicable DCMs in individual technical memoranda and provide to the Authority for review and comment. An initial list of proposed technical memoranda based on the DCMs and their focus are as follows:

DCM – 1 Hazard Potential Classification

DCM – 2 Wind and Precipitation Criteria for Freeboard Selection

DCM – 3 Spillway Capacity and Reservoir Drawdown Criteria

DCM – 4 Minimum Dimensions of Dams and Embankments

DCM - 6 Geotechnical Seismic Evaluation of CERP Dam Foundations

DCM – 7 Procedures for the Development of Opinion of Probable Construction Costs

DCM – 9 Dam Safety Instrumentation and Monitoring

Intake Design

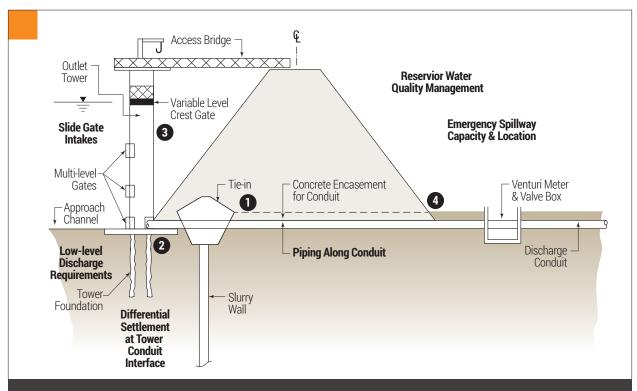
Intake Hydraulic Considerations

The Stantec Team will perform surge modeling with an evaluation of pump control valves to protect the pump and piping systems from surge and to control backflow from the reservoirs in the event of a power outage, or as a controlled reservoir safety feature that will allow the reservoir level to be rapidly lowered by controlled gravity back flow through the river pumping system.

Hydraulic design of piping systems will be based on the maximum capacities and surge

CHALLENGES AND SOLUTIONS: RESERVOIR OUTLET WORKS

Proven Solutions that Work



1 Pipe Penetrations

Issue - Penetrations through an embankment are locations of potential seepage along the soil-pipe interface. Dam failures can occur when seepage causes internal erosion of the embankment fill. Movement of eroded soil to the downstream face of the dam results in voids that result in more seepage, more internal erosion and eventual loss of the impounded water.

Feature - Construction of the pipe penetration will incorporate a bentonite amended soil to be placed and compacted as a "collar" around the pipe within the central core of the dam. A graded soil filter will also be used near the downstream toe of the dam to prevent migration of fines to the downstream face.

Benefit - Eliminates a potential dam failure.

2 Outlet Tower Performance - Settlemen

Issue - Discharge tower and the low-level outlet pipeline experience differential settlement due to embankment loading causing the discharge pipe to deflect or crack, resulting in the reservoir being taken out of service to repair or replace the pipe.

Feature - Outlet tower will incorporate a pile foundation to minimize settlement and stabilize the tower against tilting or deflection from vertical due differential movement. The pipeline penetration through the dam will include a concrete encasement which will stabilize the pipe under the weight of the dam by acting as a "cradle".

Benefit - Long term structural stability of the discharge tower.

3 Outlet Tower Performance - Intake

Issue - Overfilling the reservoir will reduce design freeboard and could lead to overtopping of the dam. Intake flexibility is required to maximize reservoir water surface elevation control.

Feature - Design the outlet tower with a "wet well" and "dry well" partitioned to maximize flexibility in operations. Incorporate a variable level crest gate weir into the dry well to allow passive release of impounded water volumes. Incorporate multiple level intake gates into the tower well. Evaluate data to identify a seasonal operating schedule for the reservoir allowing storage during the dry season.

Benefit - Control of reservoir water surface elevation with controlled release of excess impounded volumes.

4 Seepage and Piping Beneath the Dam

Issue - Silty sands and sands within the foundation beneath the dam may allow high pore pressures beneath the downstream section of the dam near pipe penetrations leading to internal erosion and loss of soil at the soil-pipe interface.

Feature - The soil-bentonite slurry wall will assist with managing seepage through the dam and foundation soils. Construction of soil filters around each pipe penetration will minimize the movement of fines toward the downstream face of the dam.

Benefit - Eliminates a potential dam failure mode providing a reliable structure for the life of the reservoir.

pressures matching the analysis of the intake and pumping system. Hydraulic design of the pump structure will follow Hydraulic Institute Standards for hydraulic modeling of the pump bays and inlet screening and structures for eliminating turbulence and vortex.

Additional hydraulic considerations need to include design for a firm (largest pump out of service) capacity equivalent to the maximum planned diversion (currently 200 MGD) with the existing pumping station firm capacity included (90 MGD); but provide for installed capacity (all pumps operational) to allow maximum permitted daily pumping of 258 MGD if ever needed.

Pump Selection

Pump selection will be based on hydraulic evaluation. A mixed flow vertical turbine will likely be selected to efficiently pump high volumes at a relatively low head for vertical pumps with impellers that can pass solids that might get through the intake screening system without damage.

Expanding Existing Pump Station Footprint

An alternative to siting a new river intake is to expand the existing intake and pumping system. Expanding the existing pump station footprint has the potential to be the least costly alternative since it is already in place and has corridors for piping, power and instrumentation. However, this approach also has significant challenges. A consideration in determining whether the existing station can accommodate an expansion is to evaluate the structural integrity of the exterior concrete walls. An evaluation performed in 2018 identified spalling and significant barnacle encrustation on the exterior walls that will require rehabilitation at the existing intake structure before new bays could be constructed. Building the auxiliary pump station against an exterior wall of the existing pump station would require doweling into the existing wall, but only if the existing wall is rehabilitated and deemed structurally sound. If the exterior wall was not considered structurally sound following the rehabilitation, then constructing the new pump station will require the adjacent pump bay to be

shut down during construction, which will lower the firm capacity to 75%, or a maximum of 67 MGD during the construction outage. Construction for the new pump station will need to be planned to allow the connection to the existing wall to be performed during low water demand periods to minimize the risks of damage to the existing structure and rehabilitation of the facility may be required if it is damaged.

DETAILED ENGINEERING AND DESIGN

Detailed engineering and design will include preparing a set of design documents and their required specifications to be bid and constructed by an outside contractor. Stantec will provide a construction cost estimate at the completion of the design phase of the project. Detailed design will also include technical contract documents required to bid the project. Final design tasks associated with the reservoir system include the following:

- Finalize engineering design
- Finalize mitigation design(s)
- Define bid documents
- Generate bid requirements and non-technical specifications
- Update construction cost estimate

The Stantec Team will complete the engineering and mitigation designs and prepare them for bidding. Technical and non-technical specifications and bid requirements of the Authority will be generated and compiled into the selected bid packages. The Stantec Team will update the 60 percent level cost estimates for the facility based on the final design of the reservoir and appurtenant structures. Development of an Opinion of Probable Construction Cost (OPCC) will be based on the guidelines of the Association for the Advancement of Cost Estimating (AACE) Recommended Practice No 18R-97 Cost Estimating System for a Class 2 estimate at the final level of completion in design. The expected accuracy range for this level of estimate is anticipated to be -10 percent below to +10 percent above the predicted construction costs.

PERMITTING

Stantec's approach to the permitting process is to generate three separate Environmental Resource Permits (ERPs) for the proposed expansion to the Peace River Facility. The basis for this approach is partly derived from our experience gained during development of Reservoir #2 as well as the uncertainty that surrounds obtaining mitigation credits if on-site mitigation falls short of the requirements needed to address impacts from site selection of Reservoir #3. In addition, permitting of the new intake system is anticipated to be a complex and possibly a contentious issue. The timeline associated with that permit is not clearly defined at this point and will include multiple agencies and extensive modeling to identify performance and potential impacts.

Permitting - Intake

The PR³ project will require reconstructing the existing surface water intake structure, or constructing a new intake structure located on the Peace River. The intake structure must be located and designed to meet the following criteria:

- Ability to withdraw a wide range of surface water volumes under variable flow conditions in the Peace River
- Minimize intake of sediments and pollutants
- Minimize impingement and entrainment of aquatic life
- Minimize localized alterations to natural river flow patterns
- Minimize localized impacts to water quality
- Minimize localized impacts to wetlands and submerged aquatic vegetation
- Minimize localized impacts to recreational and navigational uses of the Peace River
- Designed to accommodate future sea level rise and the associated upstream movement of the salt wedge in the Peace River
- Located to minimize potential damage by storm surge or extreme flood flows
- Located as close to the treatment plant and reservoir as possible while also meeting the above-listed conditions

• Maximize intake capacity to support drinking water demand while also meeting the above listed conditions and complying with the adopted Minimum Flow & Level rule for the Peace River

The location and design of water intake systems is complex and requires experience in many areas of expertise, including hydraulics and hydrology, geotechnical, and environmental engineering. Creating a plan that is economically feasible and politically acceptable is another challenge. The Stantec Team has all the requisite skillsets to address these challenges.

The type of intake structure is typically unique to every project. Furthermore, intakes on tidal rivers and rivers with significant fluctuations in flows and levels, such as the Peace River, require extensive study, hydrologic and hydraulic modeling, and evaluation to develop appropriate existing and future conditions data, as well as design criteria.

Intake structures can be designed with or without damming. Often, a weir structure is placed across the river, partially damming it and providing an adequate water level for the surface water intake. In some cases, radial collector intake wells are constructed. This type of design can provide high volumes of water and take advantage of some natural filtering of the source water through the riverbank.

In addition to the type of intake, consideration must be given to the water intake pump and intake screen design. The intake screen(s) help prevent sediment, debris, and aquatic life from entering the water system. In addition, in areas with dense fish populations, rotating screens are used to divert impinged fish back to the river channel, thus minimizing mortality. Various models and formulas will be used to define the type and size of the pumps to meet the water supply needs while preventing vortex creation or other adverse impacts.

In all instances, regulatory requirements will dictate the final decisions around which the engineer must design the intake structure. An ERP will be required from the Florida Department of Environmental Protection (FDEP) before beginning any construction activity that would affect wetlands, alter surface water flows, or contribute to water pollution. An Individual Permit from the U.S. Army Corps of Engineers (USACE) may be required for any work conducted within the Peace River and its floodplain wetlands.

There is a federal Nationwide Permit (NWP) authorization that may be applicable to this project, which could substantially reduce federal permitting requirements. Nationwide Permit No. 7 authorizes the construction or modification of Outfall and Associated Intake Structures where the effluent from the outfall is authorized. conditionally authorized, or specifically exempted by, or otherwise in compliance with regulations issued under the National Pollutant Discharge Elimination System Program (Section 402 of the Clean Water Act). The construction of intake structures is not authorized by this NWP, unless they are directly associated with an authorized outfall structure; therefore, the applicability of this NWP will need to be further evaluated. If NWP 7 is considered to be applicable, the project will still need to apply to several general conditions, including:

- No or minimal impacts to navigation
- No substantial disruption to aquatic life movements or migration
- No impacts to aquatic life spawning areas
- No impacts to migratory bird breeding areas
- No impacts to shellfish beds

The first step in the design and permitting of the surface water intake structure will be to conduct pre-application regulatory meetings with key staff from FDEP, USACE, and the SWFWMD. Coordination with SWFWMD is recommended as it is possible that SWFWMD will have delegated authority for ERP permitting of the intake structure. In addition, regardless of delegated ERP authority, coordination with SWFWMD with respect to consistency with the adopted Minimum Flow and Level (MFL) rule for the Lower Peace River is recommended. Consultation with the U.S. Fish & Wildlife Service and the Florida Fish & Wildlife Conservation Commission is also recommended with respect to potential impacts to listed aquatic species.

Permitting for Reservoir Impacts

The permitting process is the critical path to meeting the Authority's project goals and the Stantec Team has demonstrated our ability to successfully navigate this process with Reservoir #2. We understand these processes and will set a schedule to work concurrently through many data gathering exercises to meet regulatory and project deadlines. Meeting with regulatory agencies at an early stage and presenting solutions to compensate for expected wetland and upland impacts is vital to timely completion. State and Federal rules require compensatory mitigation for impacts to natural resources, such as wetlands or wildlife. Recognizing this requirement, the Authority has previously engaged one of our project team members, Earth Balance, to evaluate mitigation areas and habitat quality.

Beyond the mitigation issues with the new facility development, there remains permitting from FDEP and USASCE. Stantec will seek State and Federal permits concurrently to address the wetland mitigation needs of both agencies.

Permitting – Reservoir

Obtaining an ERP permit to construct Reservoir #3 will involve extensive interactions with FDEP staff. During permitting of Reservoir #2 FDEP contracted with an outside expert to assist with the review and comment on design deliverables generated by Stantec. We anticipate the state agency will once again use that approach to support their in-house staff. As the design progresses, Stantec will conduct review meetings at defined steps in the process to both inform FDEP staff of design progress but to also gather feed-back on concerns and issues they identify.

Our experience with Reservoir #2 indicated early identification of agency concerns was necessary to keep the project on schedule. Some components of the new reservoir will receive much more scrutiny (stormwater management) than other more critical components that support a safe operation of the reservoir. A lesson learned from obtaining authorization to operate Reservoir #2 was to keep agencies informed throughout the process. Issuing design packages for discrete areas of the reservoir to FDEP as they were developed aided in accelerating the approval process and avoided overwhelming the agencies with a full facility design to review at once.

Another lesson learned from Reservoir #2 was watering up to ground level as an initial step that could be completed prior to final approval and transition of the permit from construction to operation. During filling operations, it is critical to fill in stages and monitor the performance of the new reservoir. This allows the opportunity to evaluate performance and identify issues in a safe and controlled manner.

BID DEVELOPMENT AND CONTRACTOR SELECTION

Preparing construction documents for the PR³ project will include developing the final project design and preparing plans and specifications for bidding by prospective contractors. It is intended to package the work so that there are clear lines of responsibility for the contracted work and to allow work to be carried out by locally based contractors, wherever possible. Prior to the preparation of the bid documents, Stantec estimators will include an evaluation of breaking up work packages to allow for completive pricing or acceleration of works from prospective bidders, based on the Authority's needs.

Stantec has provided bidding services to numerous clients, and is capable of providing complete bidding services to the Authority for this project, including pre-qualifying prospective contractors, providing response to technical questions from the contractors during the bidding process, organizing pre-bid meeting and site visit with contractors, preparing of addenda to contract documents, review and evaluation of bid proposals, and providing recommendations for selection of the winning contractor. Stantec will work closely with the Authority during the bidding process to provide these services.

CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

Stantec has provided construction services for numerous clients worldwide and has expertise in providing construction services for reservoir projects like the PR³ project. Stantec is available to provide complete construction services for this project, including onsite resident services, engineering support, field quality control, and preparation of final record drawings and a construction report for the project.

The Stantec Team will provide a qualified resident staff and quality control in the field, and experienced specialists in the office, monitoring quality of construction while keeping construction progress on schedule and on budget. Stantec proposes to lead this effort on site with Carlyn O'Reilly as Resident Engineer. Throughout her career, Carlyn has demonstrated her leadership ability through multiple complex construction projects and is thoroughly familiar with the Authority staff and project site.

Prior to construction, the Stantec Team will prepare a Quality Inspection Program (QIP) outlining the construction management approach, procedures, organization, and quality control procedures to be followed during construction. Carlyn will track construction progress, contractor submittals, and costs, and will be responsible for leading on site construction progress meetings, held at least once every week, to address issues that arise during construction and to review construction progress with the contractor. The Stantec Team will provide the Authority with regular updates of the progress, as well as notify the Authority of any issues that may arise.

Technical support during construction will be provided by Stantec Team personnel stationed full-time onsite, and will be supplemented by engineering and scientific support, as needed. Engineers and scientists responsible for the design of the PR³ project will be available to address any unforeseen technical issues that arise during construction and we propose that the design engineering services continue through construction.

In addition, technical personnel involved in the design, but not stationed full-time on site will make periodic trips to the construction site to review the work and provide technical input to the contractor and other construction personnel

as appropriate. Those responsible for the project design will evaluate changes made to design during construction, and reissue drawings and calculations as required to document changes.

The Stantec Team will provide full-time staff on site to observe and document the quality of the construction work. Quality control personnel will be responsible for observing and documenting that the contractor adheres to the contract drawings and specifications and follows accepted practice for the construction of project features in accordance with the Quality Inspection Plan. Daily reports and records of nonconformance and corrective actions will be routinely prepared.

The Stantec Team will prepare a final set of record drawings documenting the as-built construction of the reservoir and various project features, and a final construction report documenting the progress of construction, construction quality control, and the as-built conditions of the PR³ project.

Operation During Construction

It is important that the existing facilities remain in full capacity operation throughout the construction program. To achieve this goal, coordination concerns will be identified and scheduled at an early date. Stantec will prepare a detailed construction sequencing schedule for this project to provide specific information on interfaces between the existing facilities and the new construction. Stantec's staff understand that clear and consistent communication and schedule management are essential to the success of any project.

PROJECT MANAGEMENT APPROACH

Project Management Team

Effective project management starts with selecting the right project manager. Based in Tampa, Project Manager Gary Wantland brings proven experience delivering the Reservoir #2 project for the Authority and is ready to apply the lessons learned to benefit the PR³ project. His 40 years of experience includes the design and construction of 10 above-grade, off-stream reservoir projects that comprise more than 40 miles of embankment. Gary's extensive knowledge of local conditions combined with his understanding of the Authority's expectations for project delivery enables him to bring invaluable perspective to the PR³ project that will help result in a highly successful project that will serve the Authority well for decades to come.

Gary is supported by deputy project manager Tim Kremer, also based in Tampa. Bringing 20 years of experience, Tim is a Project Management Professional known for his exceptional planning, implementation, and administration capabilities. Tim's role on this project is to support Gary in performing monthly schedule and budget performance reviews to keep the PR³ project on track. In short, we are committed to delivering a successful project for the Authority and our focus is on quality service and deliverables every step of the way.

Project Continuity Planning

The PR³ Project is expected to start with the feasibility study in 2020 and conclude in 2030 with initial filling of the reservoir. Stantec has experience managing and delivering projects that span multiple years, and we have developed a specific plan for continuity to achieve the successful delivery of this 10-year project. The primary component of this plan is to maintain and continuously engage a core team dedicated to the PR³ project throughout its lifecycle.

Our approach to planned staff growth and succession is focused on five key positions that comprise the core team: Project Manager, Project Technical Lead, Reservoir Technical Lead, Intake Technical Lead, and Pipeline Technical Lead. In each case, a Deputy is designated to support the activity of the Prime individual, as a means of introducing the Deputy to the Authority, immersing them in the project, and engaging them with key stakeholders (e.g., regulatory agencies or the local communities).

As the project advances and with the Authority's approval, the Deputy ascends to the Prime position, and a new Deputy is identified under this process. This proven approach enabled Stantec to successfully deliver the design-build of the \$3.5 billion Panama Canal Third Set of Locks over the period from 2009 to 2017.

Stantec's Project Management Framework

Stantec's proven project management approach, which has been executed successfully with the Authority at Reservoir #2 and on countless other projects across the globe, is rooted in Stantec's Project Management Framework. The Framework is fundamentally comprised of our ten points of practice that define the procedures, actions, and expectations related to project delivery to provide quality throughout the project life cycle—from the proposal phase to pre-design through construction and project closeout. The Framework helps confirm compliance with our ISO9001 certified Integrated Management System.

More importantly however, are the direct benefits that the Framework provides to the Authority. Specifically, these are improved communications; consideration of innovative solutions, materials, and techniques; improved analysis and design solutions; reduced project risks; reduced potential for design errors and constructability issues; projects delivered safely; and increased overall client satisfaction.

Project Management Plan

One of the ten points of practice is preparing a Project Execution Plan (PEP) that describes in detail how the project will be managed and executed. This is the heart of our project management approach. The Stantec team will prepare a PEP for the PR³ project that will include processes to monitor, forecast, and report performance against cost, schedule, scope, and quality objectives. The baseline budget and schedule contained in the PEP will provide the foundation for each PR³ Work Order performance tracking.

Project Manager Gary Wantland and Project Technical Lead Bill Weber will review the monthly schedule and budget performance analyses prepared by Tim Kremer to analyze progress and conformity to the original baseline. We will use the Critical Path Method (CPM) technique to analyze the project schedule after each monthly update cycle. The CPM schedule helps identify where focus is needed and proactively assign resources, or address issues, before the project is delayed. The project management team will identify necessary changes to the critical path and quantify overall impact to the project. Monitoring and tracking updates are shared with the entire project team.

Change is inevitable with a complex project like PR³ and the Stantec Team is prepared to effectively manage those changes for the Authority. Our integrated change control process comprehensively assesses changes in terms of cost, schedule, scope and risks. The change control system will document scope changes and the associated budget and schedule impacts. Stantec is committed to providing early identification of project changes to the Authority and involving the Authority in the decision-making process.

Risk Management

Risk is inherent in every project and with every decision made. The primary elements of risk relate to scope, schedule, and budget. They are closely connected, such that when one element varies, it almost always had an impact on the other two. Through our extensive experience on similar projects, Stantec is well-positioned to help minimize risk to the Authority. Our approach is to minimize risk by identifying issues early; evaluating response options recognizing the balance between scope, schedule, and budget; and communicating effectively with the Authority and stakeholders.

Stantec will develop and maintain an active risk register throughout the life of the project. The register will be utilized to identify, track and manage potential project risks and risk mitigation measures to minimize cost and schedule impacts. The register will be shared with the project team, including Authority Staff.

In addition to the risk register, Stantec will maintain a lessons learned register throughout the course of the project. At each phase of the work, the project team will review the historical information from the previous design documentation, and in conjunction with work order kick-off meetings with the Authority, develop a register of lessons learned that can be applied to the successful development of Reservoir #3.

Project Team Communications and Coordination

A critical aspect of project management is related to communication. The PR³ project will require significant coordination of activities among a large and diverse team, with multiple entities. However, our communication plan starts with how we will interact with the Authority and keep you informed as the project progresses.

Effective reporting is an important element to communicate status and action items to the Authority and project stakeholders. We will proactively track our progress against scope, schedule and budget and provide updates to keep the Authority informed as to status, progress, issues, schedule and expenditures on a monthly basis.

Most of the Stantec Team's project leadership is based in the southwest Florida region and available to the Authority on short notice—within a couple of hours if needed. Because our project leadership team is largely local, we will be continuously engaged and available to devote more time to delivering the project rather than to traveling from out of the area for regularly scheduled or impromptu meetings. Our out-ofstate team members are dedicated to the project and commit to being in Florida with 48 hours' notice as needed.

To collaborate amongst our team, including subconsultants, we will hold regular monthly meetings with the technical leads, and also for major milestone and deliverable reviews. Subsets of the design and permitting teams will meet between progress meetings, as needed, to address specific issues. Face-to-face meetings will be the preferred method of meeting and help to maintain accountability and strengthen working relationships. We will also use technology collaboration tools to enhance our team's virtual collaboration when we are not physically together, including Bentley ProjectWise and Microsoft Skype and Sharepoint systems. Our vision for the interactions outside the Authority and regulatory agencies is quite simple: We recognize the Authority's leadership in this project and anticipate the Authority will make decisions on and handle public communications. The Stantec Team's role will be one of support. We will provide technical content, publications, research, scheduling, graphics development, talking points, facts sheets and any other collateral materials needed by Authority for these interactions.

Quality Control

Quality is the foundation of our technical approach, and our robust QA/QC program is the template to successfully deliver it. The Stantec Team's QA/QC approach will be integrated into all project phases, from feasibility development through facility startup. Our QA/QC program will be administered by Felipe Garcia, who is well-versed in the design of new earth embankment dams and was integral in the success of the Reservoir #2 project, aiding in developing final design and construction.

Stantec is committed to embracing quality throughout our business processes. We adhere to a formal quality management system, which is registered to the ISO9001:2008 Quality Management Standard and promotes quality practice across the organization. Our quality management practices implement the ISO 9001 standard for a consistent approach to planning, managing people, client satisfaction, practice management, managing subconsultants and continual improvement.

For the PR³ project, we will develop and implement a Project Quality Management Plan (QMP) that will guide the Stantec Team with the delivery of quality engineering and design products, in accordance with applicable standards, criteria, and requirements. The plan will outline appropriate quality checks for design work, compliance with standards and regulations, and outline how independent reviews will be conducted.

9 WORKLOAD FOR KEY STAFF 10 DISCLOSURE OF REPRESENTATION

11 DISCLOSURE OF LITIGATION

9

WORKLOAD FOR KEY STAFF

Name	Current Availability	Projected Availability					
Project Manager							
Gary Wantland (Stantec)	50%	95%					
Technical Leads							
Anthony Janicki (Janicki)	60%	90%					
Bill Weber (Stantec)	70%	80%					
Christine Weber (Stantec)	70%	80%					
Doug Eckmann (TKW)	50%	85%					
Raymond Dennis III (Stantec)	40%	85%					
Tracy Anderson (Stantec)	50%	75%					
Carlyn O'Reilly (Stantec)	40%	90%					
Dave Tomasko (ESA)	40%	80%					
Trudi Williams (TKW)	25%	50%					
Felipe Garcia (Stantec)	40%	85%					

10 DISCLOSURE OF REPRESENTATION

Stantec currently holds contracts with Charlotte, Manatee, and Sarasota Counties and the City of North Port but has no existing work with DeSoto County. These contracts are primarily for engineering design of water, wastewater and stormwater conveyance, as well as minor roadways and parks. Additional details of these projects can be made available upon request.

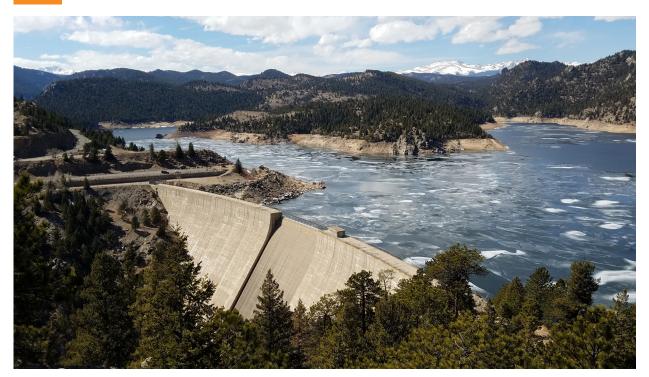
Earth Balance has contracts with both Manatee County and Sarasota County. These are vegetation management and wastewater treatment projects. **Terracon** currently holds continuing services contracts with Charlotte County, DeSoto County, Manatee County, and Sarasota County and represents them as a consultant on various projects. No other team members are currently working for these entities.

11 DISCLOSURE OF LITIGATION

Our team is not aware of any litigation involving Charlotte County, DeSoto County, Manatee County, or the City of North Port. In Sarasota County, there is a pending claim regarding the Siesta Key HDD project which involves Southern Underground. Stantec is not a party to the case, but we are cooperating with the County.







Gross Reservoir Expansion Project

Boulder County, Colorado

BUDGET: \$464M COMPLETION: ONGOING

Over the last 40 years, Stantec has regularly worked for Denver Water on a broad range of dam safety and design services, including safety inspections and various planning studies. Our current assignment is to develop the final design of the 131-ft raise of Gross Dam, as part of the Gross Reservoir Expansion (GRE) project that will triple the available reservoir storage at Gross Dam. Stantec has developed an innovative, cost-effective final design for the dam raise that minimizes the use of RCC by transforming the gravity dam into an economical thick arch. Our tasks as part of the final design include site development, geotechnical investigations, structural design, spillway configuration and roller-compacted concrete (RCC) construction features Stantec also performed a site-specific Probable Maximum Precipitation/Probable

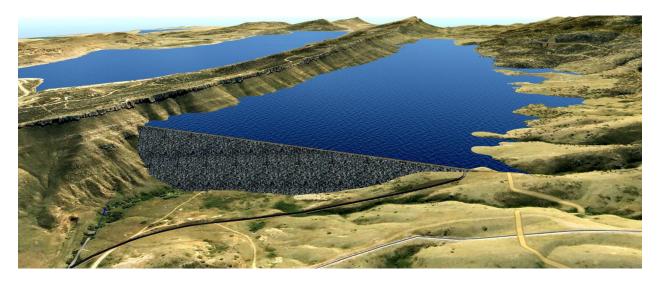
Maximum Flood and a site-specific Seismic Hazard Assessment in advance of the start of final design. The GRE project is currently in the design-phase. Stantec provided support for the technical evaluation of the proposals and participated in interviews for the Construction Manager/General Contractor (CM/GC) for the project.

Reference Information

Denver Water Jeff Martin Program Manager (303) 628-6348 jeff.martin@denverwater.org

Key Staff

Felipe Garcia, Christine Weber, Carmen Bernedo



A Chimney Hollow Reservoir Project

Loveland, Colorado

BUDGET: \$486M COMPLETION: ONGOING

This Chimney Hollow Reservoir Project is needed to firm water supply for 400,000 residents in northern Colorado, through partnership with 12 public agencies.

The Chimney Hollow Reservoir Project will help stabilize local water supplies to 13 nearby cities and water districts (400,000 residents) by connecting the new Chimney Hollow Reservoir with an existing tunnel project in Northern Colorado.

Stantec is providing complete engineering and design of this project, which consists of an approximately 360-foot-tall hydraulic asphaltcore rockfill main dam, a 40-foot-high zoned rockfill saddle dam, inlet/outlet works in a tunnel in the right abutment, and uncontrolled concrete spillway. The inlet/outlet tunnel, which is being constructed through siltstone and standstone, is 2,000 feet long and six to 33 feet in diameter with a 26-foot-diameter valve chamber. Key design considerations include dam/tunnel integration; large openings with high embankment surcharge loads and 300 feet of water head; and control of seepage along the tunnel below this high-hazard dam.

The project also requires large diameter conveyance piping and a valve house to tie into

the US Bureau of Reclamation's Colorado-Big Thompson Project as well as access roads.

Stantec's scope of work includes siting study including geotechnical investigations, evaluation of alternatives, complete engineering, completion of intermediate and final designs, preparation of bid documents, bidding support, and will be providing engineering services during construction including inspection. The work includes a large test quarry and test fill to evaluate the rockfill properties for final design.

The Northern Colorado Water Conservancy District Subdistrict obtained all required Federal Permits for the project. When complete, the main dam will be one of the largest in Colorado.

Reference Information

Northern Colorado Water Conservancy District Jeff Drager Director of Engineering Phone: (970) 622- 2333 jdrager@northernwater.org

Key Staff

Christine Weber, Wonnie Kim, Don Montgomery, Carmen Bernedo, Carolyn Randolph Loar, Chad Roark



▲ Stormwater Treatment Area (STA) 1W – Expansion #1

South Florida Water Management District

BUDGET: \$79M COMPLETION: 2014

Stantec's large scale water storage experience in Florida dates back to the early days of the Acceler8 Everglades Restoration Program, serving as program manager and extension of staff. Acceler8 projects encompassed 13 water storage reservoir projects providing nearly 1.5M acre-ft of water storage, approximately 50 miles of earth-filled embankments representing 38M cy of fill and nearly 25,000 cfs of pumping capacity.

After successfully managing the Aceller8 program, Stantec was selected to provide field investigations and engineering design and engineering during construction (EDC) for the STA 1W water storage project - a 4,700-acre low-head, above-grade impoundment. As part of the project, we designed 100,300 feet of new earthen embankment; 85,600 feet of new canals; nine remotely operated, gated hydraulic structures (roller gates and slide gates); and 20 passive hydraulic structures. As the prime consultant, Stantec was responsible for project management, and civil, geotechnical, structural, electrical, I&C, and H&H engineering. Specifically, we provided topographic and bathymetric survey; geotechnical field investigation; hydrologic and hydraulic modeling; hazard classification; wind setup and wave runup analysis; geotechnical, civil, structural and mechanical engineering design; and electrical, instrumentation, and telemetry design.

Reference Information

South Florida Water Management District Alexis San Miguel Section Leader, Project Management Section Engineering and Construction Bureau Phone: (561) 682-2546 E-mail: asanmigu@sfwmd.gov

Key Personnel

Gary Wantland, Bill Weber, Jason Hedien, Carmen Bernedo, Vik Negi, Richard Barrie, Carlyn O'Reilly, Thomas Zavalla



KEY PERSONNEL for PROFESSIONAL SERVICES FOR THE PEACE RIVER REGIONAL RESERVOIR (PR³) PROJECT

The Consultant's proposed Project Manager, Project team, and key personnel are to be indicated below. Each person must be identified with their job classification, area of expertise, and work location. If Project Manager or key personnel are not employees of the Consultant, please also indicate within the Office Location column the subconsultant.

Person's <u>Name</u>	Job <u>Classification</u>	Area of Expertise	Office Location
Gary Wantland	Project Manager	Project Management	Tampa, Florida
Bill Weber	Project Technical Lead	Technical Lead	Tampa, Florida
Felipe Garcia	Quality Control Manager	Quality Control	Denver, Colorado
Christine Weber	Reservoir Technical	Reservoirs	Houston, Texas
Raymond Dennis III	Environmental Technical Lead	Environmental	Tampa, Florida
Tracy Anderson	Pipeline Technical Lead	Pipelines	Sarasota, Florida
Carlyn O'Reilly	Construction Manager	Construction Management	Tampa, Florida
Doug Eckmann	Intake and Pump Stations Technical Lead	Intake and Pump Stations	Fort Myers, Florida
Trudi Williams	Technical Advisory Committee	Permitting	Fort Myers, Florida
Dave Tomasko	Water Quality	Water Quality	Tampa, Florida
Anthony Janicki	Modeling	Environmental	Tampa, Florida

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY by Mario Finis

(Print individual's name and title)

for _____ Stantec Consulting Services, Inc.

).

(Print name of entity submitting sworn statement)

whose business address is 777 S Harbour Island Boulevard Suite 600, Tampa, FL 33602

and (if applicable) its Federal Employer Identification Number (FEIN) is <u>11-2167170</u> (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:

I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid, proposal, reply, or contract for good or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

a) A predecessor or successor of a person convicted of a public entity crime; OR

b) An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members and agents who are active in management of an entity.

Professional Services – Peace River Regional Reservoir (PR³) Request for SOQ

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Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.)

X Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.)

I UNDERSTAND THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(Signature)

state of Florida		
COUNTY OF Hillsborough	l'an data an Juantana ang katalang	
Sworn to and subscribed before me this $22nd$ day of 1	Jovember,	2019. Personally known

(Type of Identification)

6.

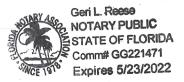
OR produced identification

Notary Public

My commission expires

Name (Printed)

(Printed typed or stamped Commissioned name of Notary Public)



Professional Services - Peace River Regional Reservoir (PR3) Request for SOQ

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name: Stantec
Reference Entity: Denver Water
Reference Contact Person: Jeff Martin
Reference Address: 1600 West 12th Avenue, Denver, Colorado 80204-3412
Reference Email Address: jeff.martin@denverwater.org
Reference Phone No.: (303) 628-6348
Project Name: Gross Reservoir Expansion Project
Project Location: Boulder County, Colorado
Consultant Project Manager: Michael Rogers
Contract Amount: \$13M
Date Project Commenced: 2017
Date of Final Completion: Ongoing
Description of Work Performed: See page 38 for description.

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name: Stantec Reference Entity:_ Northern Colorado Water Conservancy District Reference Address: 220 Water Avenue, Berthoud, Colorado 80513 Reference Email Address: jdrager@northernwater.org Reference Phone No.: (970) 622-2333 Project Name: Chimney Hollow Reservoir Project Project Location: Loveland, Colorado Consultant Project Manager: Donald Montgomery Contract Amount:_ \$11.9M _____ Date Project Commenced:_2017 _____ Date of Final Completion: Ongoing Description of Work Performed: See page 39 for description.

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name: Stantec

Reference Entity:_____South Florida Water Management District

Reference Contact Person: Alexis San Miguel

Reference Address: 3301 Gun Club Road, West Palm Beach, Florida 33406

Reference Email Address: asanmigu@sfwmd.gov

Reference Phone No.:_(561) 682-2546

Project Name: Stormwater Treatment Area (STA) 1W - Expansion #1

Project Location: West Palm Beach, Florida

Consultant Project Manager: Neil Johnson

Contract Amount: \$9.4M

Date Project Commenced:_2013

Date of Final Completion: 2015 (Design) 2018 (Construction)

Description of Work Performed: See page 40 for description.



TAB C Information Package for Professional Design and Engineering Services

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

INFORMATION PACKAGE for PROFESSIONAL DESIGN AND ENGINEERING SERVICES for the PEACE RIVER REGIONAL RESERVOIR (PR³) PROJECT REQUEST FOR STATEMENT OF QUALIFICATIONS

The Peace River Manasota Regional Water Supply Authority (Authority) is requesting 'Statement of Qualifications' (SOQ) from consultants (Consultant) interested in providing professional design and engineering services for the feasibility, siting, capacity, design, permitting, and construction management and inspection services on the 'Peace River Regional Reservoir (PR³) Project' (Project).

AUTHORITY BACKGROUND

The Authority is an independent special district of the State of Florida, created and existing pursuant to Chapter 373, Florida Statutes, and Section 163.01, Florida Statutes. The Authority is comprised of Charlotte, DeSoto, Manatee, and Sarasota Counties. The Authority was created for the purpose of developing, storing, and supplying water for county and municipal purposes in such a manner as will give priority to reducing adverse environmental effects of excessive or improper withdrawals from concentrated areas. The Authority is required to acquire, design, secure permits, construct, operate, and maintain facilities in locations and at the times necessary to ensure that an adequate water supply will be available to all citizens within the Authority's boundaries.

The Authority owns and operates the Peace River Facility, a 51 million gallon per day (MGD) conventional surface water treatment facility located on Kings Highway in southwestern DeSoto County (treatment facility). The treatment facility was constructed in the late 1970's and has undergone expansion and rehabilitation projects several times over the years. The treatment facility is supported by a 120 MGD intake pump station on the Peace River, a 6.5 billion gallon off-stream raw water storage system, and twenty-one (21) aquifer storage and recovery wells. The Authority's regional distribution system also includes approximately seventy (70) miles of large-diameter drinking water transmission system pipelines and associated remote pumping stations and finished water storage tanks in several counties.

PROJECT DESCRIPTION

The Authority is requesting 'Statement of Qualifications' (SOQ) from Consultants interested in providing professional design and engineering services for the Project. This Project will increase the Authority's pumping capacity on the Peace River consistent with the Authority's water use permit (WUP), and provide a third off-stream raw water storage reservoir with at least an additional 6.0 billion gallons normal operating storage capacity. The estimated Project timeframe is shown below (subject to change at the Authority's sole discretion).

Work	Estimated Complete
Feasibility studies including siting and capacity of project compon	ents 2021
Testing, Design, Permitting, Property Identification & Mitigation	2025
Construction	2028
Filling	2030

PROJECT BACKGROUND

The Peace River Manasota Regional Water Supply Authority's Water Resiliency Assurance Plan (WRAP) is a continuing program of infrastructure improvements to support regional water supply resiliency and meet growing drinking water needs across a 4-county area by interconnecting major water supplies and developing additional alternative water supply (AWS) capacity. As part of the WRAP, the Authority will develop at least 15 MGD of additional drinking water supply capacity through expanding surface water supply facilities at the Peace River Facility. This additional AWS capacity development will require increased withdrawal capacity on the Peace River, increased water treatment capacity, and an additional off-stream raw water storage reservoir. The additional off-stream reservoir and the increased river pumping capacity comprise the Project.

The Authority's existing off-stream reservoir system includes two reservoirs with a combined storage capacity of 6.5 billion gallons. Water withdrawn from the Peace River is stored in the reservoir system and supplies the Peace River Water Treatment Facility that currently provides an average 26 MGD drinking water supply to Charlotte, DeSoto, and Sarasota Counties and the City of North Port. Reservoir #1 is primarily a below-grade reservoir completed in 1980 with approximately 500 million gallons of usable storage. Reservoir #2 is an above-ground reservoir completed in 2009 that provides 6.0 billion gallons of normal operating raw water storage. The reservoirs are located on lands owned by the Authority and/or the Southwest Florida Water Management District (See Figure 1).

Water is withdrawn from the Peace River at a 120 MGD pump station adjacent to the Peace River Water Treatment Facility. Withdrawals are made in accordance with a flow-based schedule included in the Authority's WUP. The WUP was modified in February 2019, authorizing an increase in maximum withdrawal rate from the river from 120 MGD to 258 MGD. The Authority's permitted withdrawal schedule enables the harvest of a small percentage of high flow from the river for off-stream storage and supply to the Authority's Peace River Water Treatment Facility. While the withdrawal schedule preserves the majority of river flow supporting the Charlotte Harbor estuary, the reliability of this supply depends on the ability to harvest water quickly when that resource is available, and the availability of large volume off-stream reservoirs to store that resource.

SCOPE OF SERVICES

Implementation of the Project will require multi-disciplinary expertise for services, including but not necessarily limited to the following: reservoir and intake siting and capacity studies, ecological surveys including evaluation and support of mitigation options, geotechnical and subsurface investigations, operational planning, engineering, design, permitting, bidding, construction management, and inspection services.

BACKGROUND MATERIALS

The documents listed below for the Project are available for downloading by visiting the Authority's website at <u>www.regionalwater.org</u>. These items are also available for review at the Authority's Administrative Office at 9415 Town Center Parkway, Lakewood Ranch, Florida 34202 (if interested - please contact Rachel Kersten for appointment 941-316-1776).

- 1. Peace River Manasota Regional Water Supply Authority Integrated Regional Water Supply Plan 2015 (April 2015);
- 2. Technical Memorandum R.V. Griffin Reserve Reservoir Conceptual Siting Study (May 17, 2016);
- 3. Peace River / Manasota Regional Water Supply Authority Reservoir #2 Contract 4 Conformed Drawings (July 2009);
- 4. Peace River Regional Reservoir Expansion Project Peace River Reservoir #2 Contract Documents and Specifications (August 2007);
- 5. Peace River Manasota Regional Water Supply Authority Facilities Site Plan;
- 6. Peace River Manasota Regional Water Supply Authority 5-Year Capital Improvements Program and 20-Year Capital Needs Assessment Fiscal Period: 2020 2039;
- 7. Water Use Permit 20010420.010 (February 26, 2019);
- 8. Special Inspection at the Peace River Intake Pump Station in Arcadia, Florida Condition Assessment and Repair Recommendations (October 2018);
- 9. Reservoir #2 Environmental Resource Permit Construction (October 2007);
- 10. Reservoir #2 Environmental Resource Permit Mitigation (April 2007);
- 11. RV Griffin Land Use Management Plan (November 2011);
- 12. Peace River Reservoir #2 Embankment Performance Monitoring Plan (July 2009);
- 13. Emergency Action Plan (EAP) Peace River Manasota Regional Water Supply Authority Reservoir DeSoto County, Florida (March 2019);
- 14. Peace River Cooperation Settlement Agreement between Authority and Polk Water Cooperative (12/19/2018); and
- 15. Comprehensive Annual Reservoir Report, WY 2018.

GENERAL PROJECT SCHEDULE

A summary schedule for Consultant selection for this Project is presented below. Dates may be changed at the discretion of the Authority.

	Milestone	Expected Date of Completion
(1)	Advertise for Consultant SOQ	11/06/2019
(2)	Final Date for Questions	11/25/2019
(3)	SOQ Submittals Due to the Authority	12/06/2019
(4)	PSEC Meeting to Shortlist	12/12/2019
(5)	Notification of Shortlisted Firms	12/13/2019
(6)	Interviews and PSEC ^(a) Meeting/Ranking	01/09/2020
(7)	Consultant Selection ^(b)	01/31/2020 (Board Action)

- (a) PSEC = Professional Services Evaluation Committee. All PSEC meetings are publicly noticed.
- (b) The PSEC's Consultant ranking and a recommendation to negotiate a contract, scope, and fee for the Project will be presented to the Executive Director for consideration. The Executive Director will then seek concurrence from the Authority Board of Directors (Board) on the selection, and also seek authorization from the Board to develop a contract and the first work order, both of which will be submitted to the Board for consideration at a subsequent meeting. Proof of insurance from the selected Consultant meeting the requirements of the Agreement is required at the time of Board's approval of the selection.

The Authority reserves the right to delay scheduled dates if determined to be in the best interest of the Authority. Any changes, delays, or addenda related to this Request for SOQ will be sent to all parties registered as having downloaded documents pertaining to the original Request for SOQ through the Procurement Interface on the Authority's website or have received the original Request for SOQ electronically from Rachel Kersten.

SCRUTINIZED COMPANIES

Pursuant to Section 287.135, Florida Statutes, a company that, at the time of bidding or submitting a proposal for a new contract or renewal of an existing contract, is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes, or has been engaged in business operations in Cuba or Syria, shall be ineligible for, and may not bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of \$1 million or more. Consultant may not submit a bid if it is on the aforementioned lists. By submitting a SOQ, Consultant certifies that it is not on the aforementioned lists.

CONSULTANT SELECTION PROCESS

Consultant selection shall be in accordance with the Section 287.055, Florida Statutes, and Consultants Competitive Negotiation Act, and the Authority's Procurement Policy (adopted December 5, 2018 or latest revision). The Authority's Procurement Policy can be viewed in its entirety on the Authority's website at <u>www.regionalwater.org</u> refer to Section 5.4. A copy of the Authority's standard professional services contract form is included in this information package. The professional services contract contains minimum insurance requirements that must be satisfied for the contract to be executed by the Authority. The contents of the SOQ of the successful Consultant will be incorporated into a written agreement in terms acceptable to the Authority at its absolute discretion. By submitting a SOQ, Consultant agrees to all the terms and conditions of this Request for SOQ and those included in the Authority's standard professional services contract. If Consultant desires to propose a change to a term or condition of this Request for SOQ or the Authority's standard professional services contract, Consultant must submit its request by submitting a question as provided for below.

After issuance of this Request for SOQ, prospective Consultants or their agents, representatives or

persons acting at the request of such Consultant are prohibited from contacting members of the Authority's Board of Directors and Executive Director or any member of a selection or negotiation committee concerning this issue until after the final recommendation is presented to the Board of Directors for approval or when the solicitation has been canceled or terminated. Any questions concerning this Request for SOQ must be presented in writing via email to Terri Holcomb at tholcomb@regionalwater.org no later than 5:00 p.m. Eastern Standard Time on November 25, 2019. Consultants are responsible to review the Authority's website for the Authority's responses to any questions timely submitted.

STATEMENT OF QUALIFICATIONS MINIMUM REQUIREMENTS

The SOQ must detail the Consultant's recommended method to accomplish the tasks and requirements for successful completion of the Project. In addition, the SOQ must include sufficient information to allow the Authority to evaluate the Consultant's experience and qualifications to perform the work.

The SOQ must include the project responsibilities, current workloads, and proposed involvement of key project personnel, as well as their education background and specific work experience.

Each SOQ must include the following:

- 1. Legal name, address, phone number of Consultant and e-mail of primary contact;
- 2. Principal office locations of submitting Consultant and any proposed partners/subconsultants;
- 3. Legal form of company, i.e. partnership, corporation, joint venture, (if joint venture, identify the members);
- 4. Copy of Florida Professional Licenses as applicable (business and/or individual);
- 5. Qualifications and professional experience for Consultant's "Project Manager" who is proposed to serve as point of contact for any and all work assigned by the Authority;
- 6. Qualifications and professional experience of up to 10 other key personnel who will be assigned to conduct project services listed within the Scope of Services, and if subconsultants/contractors are used, the subcontractor/consultant's firm and location of the office to which they are assigned;
- 7. Description and examples of projects completed by Consultant or subconsultants relating to the project service areas listed above, including budget and completion or estimated (if ongoing) completion time information;
- 8. Description of Consultant's proposed project approach for the Project including project management design approach; communication and coordination strategy; and operational flexibility and continuity;
- 9. Current and projected workloads for proposed key staff during proposed project timeframe;
- 10. Disclosure of whether Consultant or subconsultants currently represents Charlotte, DeSoto, Manatee, and Sarasota counties, and the City of North Port (Customers), in any way;
- 11. Disclosure of any litigation Consultant or subconsultants is involved in against any of the Authority Customers (listed above), either directly or retained for testimony and expertise on behalf of any other entity in litigation against the Authority or any of its Customers;
- 12. List of three (3) clients that the Authority can contact as references with respect to

Consultants work performance on projects similar to the Peace River Regional Reservoir (PR³) Project; and

- 13. Required forms:
 - Key Personnel Form (below);
 - Signed Sworn Statement under Section 287.133(3)(a), Florida Statutes, on Public Entity Crimes (below); and
 - Reference Forms.

For minimum requirements Nos. 5 and 6, Consultant shall identify if the Project Manager or key personnel are a leased or contracted employee or employed with a subconsultant/contractor.

Costs shall not be submitted with the SOQ as fee schedules will be negotiated after the selection of the Consultant. Two or more consultants may combine for the purpose of responding to this Request for SOQ providing that one consultant is designated as the "Prime" Consultant and the other(s) as subconsultant(s) and that the SOQ was made without collusion and is in all respects, fair and in good faith.

The SOQ shall be limited to no more than forty (40) one-sided pages for all requested information described herein with the following exceptions: Required forms (listed in Item 12) above; front and back SOQ covers; transmittal letter; and section dividers are excluded from the total 40-page count. All pages, except the covers and section dividers, shall be standardized 8 $\frac{1}{2}$ x 11 inches in size, margins not less than 1-inch, standard black text and minimum 12-point font size. Use of color and/or larger font sizes for graphics or to differentiate headings is acceptable. Text within graphics must be a minimum of 10-point font. One (1) 11 x 17-inch page may be used for depiction of Consultant's proposed organizational chart.

Consultants desiring to provide these professional services to the Authority must submit six (6) paper copies (one (1) copy shall be unbound) and one (1) electronic PDF copy of their SOQ in accordance with the requirements contained in the information package to:

Patrick J. Lehman, Executive Director Peace River Manasota Regional Water Supply Authority 9415 Town Center Parkway Lakewood Ranch, Florida 34202 (941) 316-1776

A Consultant's SOQ must be received no later than **1:00 p.m. Eastern Standard Time on December 6, 2019.** It is the Consultant's responsibility to assure that its SOQ is delivered to the Authority prior to the above deadline. Late submittals will not be opened or considered. SOQs that are incomplete, conditional, obscure, or do not conform to the requirements contained in this Request for SOQ may be deemed nonresponsive at the sole option of the Authority. The Authority reserves the right to reject all responses and not grant any award resulting from this Request for SOQ. If awarded, no contract will be formed between the Consultant and the Authority until an agreement is executed by both parties. Upon submittal of its SOQ, the Consultant agrees to be bound by all terms and conditions of the SOQ. Neither the Authority nor its representatives will be liable for any expenses incurred in connection with preparation of a response to this Request for SOQ.

PROPOSAL EVALUATION CRITERIA

The following factors, with the weighting indicated, will be used to evaluate proposals:

Criteria	Weighting
1. Consultant (team) Competence/Qualifications	20 points
2. Consultant (team) Experience on Similar Projects	20 points
3. Project Manager Qualifications and Experience	20 points
4. Consultant's Project Approach	25 points
5. Consultant (team) key staff resources availability	5 points
6. Consultant (team) past record on Authority Projects	5 points
7. Office Proximity to Authority Service Area	5 points
TOTAL	100 points

KEY PERSONNEL for PROFESSIONAL SERVICES FOR THE PEACE RIVER REGIONAL RESERVOIR (PR³) PROJECT

The Consultant's proposed Project Manager, Project team, and key personnel are to be indicated below. Each person must be identified with their job classification, area of expertise, and work location. If Project Manager or key personnel are not employees of the Consultant, please also indicate within the Office Location column the subconsultant.

Person's <u>Name</u>	Job <u>Classification</u>	Area of Expertise	Office <u>Location</u>
<u></u>			
			<u> </u>

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY by _____

(Print individual's name and title)

for _____

(Print name of entity submitting sworn statement)

whose business address is _____

- 2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid, proposal, reply, or contract for good or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
- 3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
- 4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 - a) A predecessor or successor of a person convicted of a public entity crime; OR

b) An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (**Indicate which statement applies.**)

_____ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

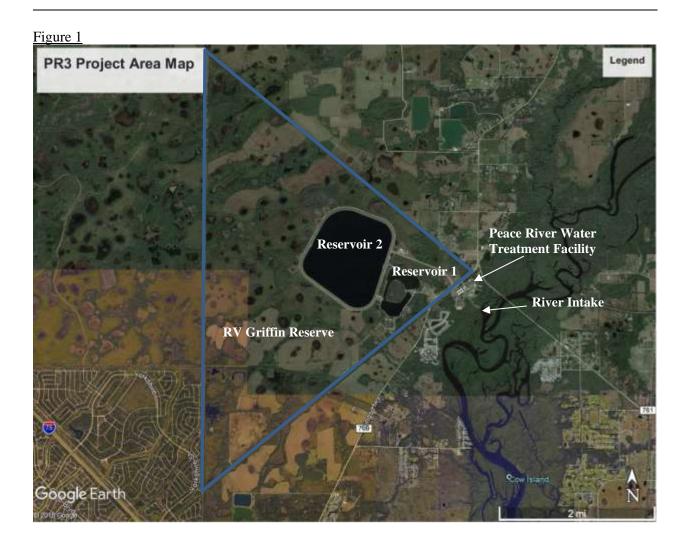
_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.)

I UNDERSTAND THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

	(Signature)
STATE OF	
COUNTY OF	
Sworn to and subscribed before me this day of	, 2019. Personally known
(Type of Identification) OR produced identification	
	Notary Public Name (Printed)
My commission expires	
(Printed typed or stamped Commissioned n	name of Notary Public)

Consultant must provide three (3) references for projects they have completed that are similar to this Project.

Consultant Name:
Reference Entity:
Reference Contact Person:
Reference Address:
Reference Email Address:
Reference Phone No.:
Project Name:
Project Location:
Consultant Project Manager:
Contract Amount:
Date Project Commenced:
Date of Final Completion:
Description of Work Performed:



PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

REGULAR AGENDA ITEM 3

Acquisition of Project Prairie Facilities

Presenter -	Mike Coates, Deputy Director Douglas Manson, General Counsel
Recommended Action -	Motion to accept Interlocal Agreement Between Peace River Manasota Regional Water Supply Authority and DeSoto County for Regional Acquisition of Project Prairie Facilities and send to DeSoto County for approval.

During the January 31, 2020 Board workshop, regional acquisition of the Project Prairie Facilities in DeSoto County was discussed with the Board. These facilities are located in DeSoto County on U.S. 17 near the Charlotte/DeSoto County line. The Authority owns some existing facilities at the site including a production well, metal storage building, aeriation tower and clearwell. DeSoto County owns a 500,000-gallon finished water storage tank, 5 MGD booster pumping station and chemical feed system, yard piping and a 400 kilowatt emergency generator on site.

In December 2019, Stantec completed a condition assessment and valuation of the DeSoto County Project Prairie Facilities. Results indicate a fair market value of \$748,731.53 for the County-owned facilities proposed for regional acquisition. These facilities are strategically located to support current and future regional operations, serving as a hub for deliveries from existing and future supplies between the City of Punta Gorda, Desoto County and the Regional System. Funding for the acquisition is proposed through amendment of the work plan in the existing Phase 1 Regional Interconnect co-funding agreement with SWFWMD, with no increase required in the total budgeted amount of the co-funding agreement.

Based on feedback in the January 31, 2020 Board workshop and subsequent discussion with DeSoto County staff and SWFWMD, staff recommends Board acceptance of the Interlocal Agreement Between Peace River Manasota Regional Water Supply Authority and DeSoto County for Regional Acquisition of the Project Prairie Facilities and transmittal to DeSoto County for approval.

Budget Action: No action needed.

Attachments:

Tab A Draft Interlocal Agreement/Draft Purchase and Sale Agreement

- Tab BPresentation Materials
- Tab C Project Prairie Water System Evaluation (Stantec, December 17, 2019)

TAB A Draft Interlocal Agreement/Draft Purchase and Sale Agreement

INTERLOCAL AGREEMENT BETWEEN PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY AND DESOTO COUNTY FOR THE ACQUISITION OF PROJECT PRAIRIE FACILITIES

THIS INTERLOCAL AGREEMENT ("Agreement") is entered into by and between the PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY ("Authority"),

a regional water supply authority and independent special district of the State of Florida created and existing pursuant to Sections 373.713 and 163.01, Florida Statutes ("F.S."), acting by and through its Board of Directors, and **DESOTO COUNTY** ("County"), a political subdivision of the State of Florida, acting by and through its Board of County Commissioners, collectively referred to as the "Parties."

WITNESSETH:

WHEREAS, both the Authority and the County are authorized to enter into interlocal agreements pursuant to Chapter 163, F.S.; and

WHEREAS, the County owns and operates real property located in DeSoto County on U.S. 17 near the Charlotte County line, as depicted on the Location Map attached as **Exhibit A** (the "Property"); and

WHEREAS, certain facilities exist on the Property consisting generally of a 500,000-gallon above-ground storage tank and associated piping; a booster pump station and chemical feed system; yard piping; and emergency generator (the "Project Prairie Facilities"); and

WHEREAS, the Project Prairie Facilities provide an existing Delivery Point for the County from the Authority's Regional Transmission System pursuant to Section 10.3 of the Master Water Supply Contract ("MWSC"), as amended, to which the Authority and the County are parties; and

WHEREAS, this Agreement does not change the County's Water Allocation authorized

pursuant to the provisions of the MWSC and any amendments thereto; and

WHEREAS, on or about October 5, 2005, the Authority and the County previously entered into a Transfer Agreement to acquire specific components located on the Property consisting generally of wellhead, yard piping, reverse osmosis building and degasifier; and

WHEREAS, evaluation and price for acquisition of the Project Prairie Facilities has been documented in the report entitled "Project Prairie Water System Evaluation" prepared by Stantec and dated December 17, 2019, a portion of which is attached hereto as **Exhibit B**; and

WHEREAS, the County has granted an easement on the Property to the Authority; and

WHEREAS, the County now wishes to convey the Project Prairie Facilities to the Authority; and

WHEREAS, the Parties recognize that coordination between the Authority and the County regarding operation of the Project Prairie Facilities would be beneficial to both Parties.

NOW, THEREFORE, in consideration of the above stated Recitals, mutual covenants and obligations contained herein, and other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged by the Parties, the Authority and the County hereby agree as follows:

1. **INCORPORATION OF RECITALS.** The foregoing Whereas clauses are true and correct and are hereby incorporated by reference into this Agreement.

2. **DELEGATIONS.** The Authority hereby delegates authority to its Executive Director, and the County hereby delegates authority to its County Administrator, to develop and execute all Operating Protocols, Operational Manuals and other documents consistent with and necessary to implement the terms and provisions of this Agreement.

3. **DEFINITIONS.** All capitalized terms in this Agreement shall be defined pursuant

to the definitions within the MWSC, unless otherwise indicated below.

3.1 "Acquisition" shall mean the time at which ownership of the Project PrairieFacilities are acquired by the Authority from the County.

3.2 "Agreement" means this Interlocal Agreement between Peace River Manasota Regional Water Supply Authority and DeSoto County for the Acquisition of Project Prairie Facilities.

3.3 "Project Prairie Facilities" shall be the facilities located on the Property and more specifically described in Paragraph 5, herein.

4. **PURPOSE**. The purpose of this Agreement is to set forth the intentions, rights, and obligations of the Parties with respect to the acquisition and operation of the Project Prairie Facilities.

5. **PROJECT PRAIRIE FACILITIES TO BE ACQUIRED.** The Project Prairie Facilities owned by the County and to be acquired by the Authority are specifically described in **Exhibit B** (Project Prairie Water System Evaluation), and are:

a) A 500,000 gallon storage tank and associated yard piping;

- b) A booster pump building, inclusive of all equipment contained within the building including piping, valves, fittings, acid feed, antiscalant, phosphate inhibitor, and caustic feed; and
- c) Emergency generator.

The components to be acquired and valuation are presented in **Exhibit B**.

6. TRANSFER AND ACCEPTANCE OF PROJECT PRAIRIE FACILITIES.

6.1 Purchase Price. At the time of Acquisition, but no later than December 31, 2020, the Authority shall pay the County \$748,731.53 for the Project Prairie Facilities.

6.2 Transfer Documentation Package. The County shall provide to the Authority a transfer documentation package, which includes all appropriate documentation to transfer sole ownership of the Project Prairie Facilities from the County to the Authority. At a minimum, the documentation shall include a bill of sale in a form satisfactory to the Authority; all associated permits; record drawings; engineering plans; operation and maintenance manuals or similar documents; warranties from contractors and suppliers; and any other document(s) necessary for the ownership and continued operation of the Project Prairie Facilities which the County has available and is able to provide, and which is acceptable to the Authority.

6.3 Payment. Payment for the Project Prairie Facilities shall be made to County by the Authority at the time of the Acquisition.

6.4 Warranty. Any warranties granted to the County by a contractor or equipment supplier which remain in effect shall be transferred by the County to the Authority at the time of Acquisition.

7. **FUNDING FROM THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT ("SWFWMD")**. This Agreement is contingent upon the successful modification of the existing Funding Agreement between the SWFWMD and the Authority to add the Project Prairie Facilities, which will provide that SWFWMD shall fund one hundred percent (100%) of the eligible funding according to SWFWMD policies for the Acquisition.

8. **OPERATING PROTOCOL.** The Authority's Executive Director and the County Administrator shall develop and approve a written Operating Protocol prior to the Acquisition. At a minimum, the Operating Protocol will define the rights and obligations of the Parties regarding the operation, maintenance, and regulatory activities necessary for the Authority to meet its obligation to provide potable water to the County, in accordance with the MWSC, integration of the Project Prairie Facilities into the Authority's Regional Transmission System. Nothing in the Operating Protocol shall conflict or supersede this Agreement, the Interlocal Agreement creating the Authority, as amended, and the MWSC, as amended. The Operational Protocol may only be modified in writing by mutual agreement of the Authority's Executive Director and the County Administrator. This provision shall survive the Termination or Expiration of the Term of this Agreement.

9. **COMPLETION DATE.** The Acquisition of the Project Prairie Facilities is to be completed no later than December 31, 2020.

10. **OWNERSHIP INTERESTS.** The Authority shall have all ownership interests of the Project Prairie Facilities upon completion of the Acquisition.

11. **NOTICES.** All notices, demands, requests, and other communications hereunder shall be deemed sufficient and properly given, if in writing and delivered in person to the following addresses, or via facsimile, or sent by certified or registered mail, postage prepaid with return receipt requested, at such addresses; provided, if such notices, demands, requests or other communications are sent by mail, they shall be deemed as given on the third day following such mailing which is not a Saturday, Sunday, or a day on which United States mail is not delivered:

To the Authority:

Peace River Manasota Regional Water Supply Authority Attention: Executive Director 9415 Town Center Parkway Lakewood Ranch, Florida 34202

To DeSoto County:

DeSoto County

Attention: County Administrator 201 East Oak Street Suite 201 Arcadia, Florida 34266

Either party may, by written notice, designate any further or different address to which subsequent notices shall be sent. Any notices hereunder signed on behalf of the notifying party by a duly authorized attorney at law shall be valid and effective to the same extent as if signed on behalf of such party by a duly authorized officer or employee.

12. **APPLICABLE LAW AND VENUE.** The laws of the State of Florida shall govern the validity, interpretation, construction and performance of this Agreement and venue for any suit involving this Agreement shall be in Manatee County, Florida, if filed in state court and in the Middle District of Florida if filed in federal court.

13. **ENTIRE AGREEMENT.** The Parties agree there are no commitments, agreements, or understandings concerning the Project Prairie Facilities that are not contained in this Agreement, and that this Agreement together with the Interlocal Agreement creating the Authority, as amended, and the MWSC, as amended shall constitute the entire agreement of the Parties with regard to the Acquisition.

14. **AMENDMENTS.** This Agreement may be amended only by a writing duly executed by the Authority and the County.

15. **DISCLAIMER OF THIRD-PARTY BENEFICIARIES.** This Agreement is solely for the benefit of the Parties to this Agreement and their successors, heirs, and assigns. No right or cause of action shall accrue upon or by reason hereof inure to or for the benefit of any third party.

16. **WAIVER.** Unless otherwise specifically provided by the terms of this Agreement, no delay or failure to exercise a right resulting from any breach of this Agreement shall impair

such right or shall be construed to be a waiver thereof, but such right may be exercised from time to time and as often as may be deemed expedient. Any waiver shall be in writing and signed by the party granting such waiver. If any representation, warranty or covenant contained in this Agreement is breached by any party and thereafter waived by another party, such waiver shall be limited to the particular breach so waived and shall not be deemed to waive, either expressed or impliedly, any other breach under this Agreement.

17. **SEVERABILITY.** In the event any provision of this Agreement shall, for any reason, be determined invalid, illegal or unenforceable in any respect the parties hereto shall negotiate in good faith and agree to such amendments, modifications or supplements to this Agreement or such other appropriate actions as shall, to the maximum extent practicable in the light of such determination implement and give effect to the intentions of the parties as reflected herein, and the other provisions of this Agreement, as amended, modified, supplemented or otherwise affected by such action, shall remain in full force and effect.

18. **SOVEREIGN IMMUNITY.** The Parties intend to avail themselves of the benefits of Sections 768.28 and 163.01, F.S., and of other statutes and common law governing sovereign immunity to the fullest extent possible. No provision, term, or condition of this Agreement will be construed as a waiver by either of the Parties of any rights provided for by any provision of law, including but not limited to Sections 768.28 and 163.01, F.S. Nothing in this Agreement is intended to inure to the benefit of any third party for the purposes of allowing any claim which would otherwise be barred under the Doctrine of Sovereign Immunity or by operation of law.

19. **DISPUTES.** Before the commencement of any legal proceedings, in the event that the Parties disagree regarding the interpretation of this Agreement, or the fulfillment of obligations required hereunder, including disagreements concerning Operating Protocols, Operational

Manuals and other documents which implement the terms and provisions of this Agreement, either Party must first request in writing a meeting, to occur within thirty (30) days of such written notice, in which the disagreement will be discussed by the Authority's Executive Director and the County Administrator. Should the dispute not be resolved within thirty (30) days of such meeting, the Chair of the Authority's Board of Directors and the Chair of the County's Commission shall meet within thirty (30) days in an effort to resolve the dispute. Should the dispute still not be resolved within thirty (30) days of the Chairs' meeting, the Parties may then pursue any available legal remedies. This Agreement may be enforced by the Parties in any manner authorized by law, and does not preclude any Party from seeking judicial or administrative remedies for violation of the terms and conditions of this Agreement. Each party shall bear its own costs and attorney's fees related to disputes prior to commencement of any legal proceedings. This provision shall survive the Termination or Expiration of the Term of this Agreement.

20. **ATTORNEYS FEES AND COSTS.** In the event there is litigation arising under or related to Agreement, each party shall pay its own attorney's fees and costs and expenses incurred in enforcing the Agreement.

21. **BINDING AGREEMENT.** This Agreement shall be binding upon and inure to the benefit of the respective successors, permitted assigns, administrators and trustees of the Parties.

22. **EFFECTIVE DATE; TERM.**

23.1 Effective Date. The Effective Date of this Agreement shall be on the day the last party executes the Agreement, as indicated below.

23.2 Term. The Term of this Agreement shall be until December 31, 2021.However, this Agreement may be terminated in writing at any time prior to December 31,

2021 by mutual written agreement of the Parties. Should this Agreement expire or be terminated, the provisions of Paragraphs 8 and 19 shall survive such termination and expiration.

23. **EXECUTION OF AGREEMENT.** This Agreement shall be executed in two duplicate originals, any of which shall be regarded for all purposes as an original and all of which shall constitute the same instrument.

24. **MODIFICATION.** This Agreement may be modified only in writing and signed by both Parties or their duly authorized agents.

25. **INDEMNIFICATION.** The Parties shall indemnify and hold each other and their agents, servants, and employees harmless from and against any claim, costs, attorney's fees, or cause of action of whatsoever kind or nature caused by negligent error, omission, or act in performance of this Agreement. However, nothing in this paragraph is intended to waive the provisions of Paragraph 18 of this Agreement.

26. **INTERLOCAL AGREEMENT.** This Agreement shall constitute an interlocal agreement pursuant to Section 163.01, F.S.

IN WITNESS WHEREOF, the Authority and Sarasota have executed this Agreement on the day, month, and year first above written.

ATTEST:

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Patrick J. Lehman Executive Director Ken Doherty Chair

Date: _____

Approved as to Form:

Douglas Manson General Counsel for the Authority

ATTEST:

BOARD OF COUNTY COMMISSIONERS OF DESOTO COUNTY, FLORIDA

Mandy J. Hines County Administrator Juril O. Mansfield Chairman

Date: _

Approved as to Form and Legal Sufficiency:

Donald D. Conn County Attorney





EXHIBIT B PROJECT PRAIRIE VALUATION

Valuation of the Remaining Assets at the Project Prairie Water Storage and Booster Pump Station Site (2019)

Description	Allocated Percentage ¹	Adjusted Original Cost (2019) ²	Adjusted Average Service Life (Years) ³	Average Straight Line Depreciation	2019 Cost
Booster Pump Building	40%	\$374,176.53	40	\$9,354.41	\$243,214.74
Pumps	25%	\$233,860.33	20 40 20 20 20 20 20 40	\$11,693.02 \$2,338.60 \$7,015.81 \$4,677.71 \$2,000.00 \$11,214.64 \$8,739.04	\$70,158.10 \$60,803.69
Piping/valves	10%	\$3,544.13 \$140,316.20 \$93,544.13 \$40,000.00 \$224,292.71 \$349,561.54			
Electrical	15%				\$42,094.86
Chemical Rooms	10%				\$28,063.24
New Work (PLC/motors)	100%				\$40,000.00
Emergency Generator	100%				\$67,287.81
Storage Tank	100%				\$227,215.00
Fence	100%	\$25,980.27	20	\$1,299.01	\$7,794.08
	SUBTOTAL	\$1,575,275.85			\$786,631.53
	\$120,000.00				
	-\$157,900.00				
	\$748,731.53				

Notes:

- 1. Allocated percentage of total Booster Pump Station cost allocated to components of assets installed within the building.
- 2. ENR CCI multiplier: 1.512415391
- 3. 1996 NARUC Uniform System of Accounts average service life for specific components

Reference: 'Peace River Manasota Regional Water Supply Authority – Project Prairie Water System Evaluation' (Stantec; December 17, 2019)

EXHIBIT C FORM OF PROJECT PRAIRIE OPERATING PROTOCOL

[Draft Operating Protocol to be Inserted]

PURCHASE AND SALE AGREEMENT

THIS PURCHASE AND SALE AGREEMENT ("Agreement") is made and entered into by and between **DESOTO COUNTY** a political subdivision of the State of Florida, acting by and through its Board of County Commissioners (hereinafter referred to as the "Seller"), and **PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY**, a regional water supply authority and independent special district of the State of Florida created and existing pursuant to Sections 373.713 and 163.01, Florida Statutes ("F.S."), acting by and through its Board of Directors (hereinafter referred to as the "Buyer"), collectively referred to as the "Parties."

For and in consideration of the mutual covenants and obligations contained herein, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the Parties hereto agree as follows:

Section 1. <u>Purchase and Sale</u>. Subject to the terms and conditions hereinafter set forth, Seller agrees to sell and convey to Buyer, and Buyer agrees to purchase from Seller, all of that certain parcel of land located in DeSoto County on U.S. 17 near the Charlotte County line, more particularly described in **Exhibit "A"** attached hereto (the "Real Property"), together with the following:

- a. All easements, rights of way, privileges, licenses, appurtenances, and any other rights, privileges, and benefits belonging to the owner of, running with the title to, or in any way related to the Property (collectively, "Appurtenances");
- b. All land use or other consents, authorizations, variances, waivers, licenses, permits, approvals, development orders, or any other entitlements, whether existing, issued, or granted by or from any governmental authority with respect to the Property (collectively, "Seller's Approvals");
- c. All of Seller's right, title, and interest in all existing surveys, site plans, percolation, soil, topographical, traffic, engineering, and environmental reports or studies pertaining to the Real Property, Appurtenances, and Seller's Approvals in Seller's possession or control (collectively, "Reports");
- d. All utility mains, service laterals, hydrants, connections, hook-ups, and valves located on, or adjacent to, and servicing or available to service the Property (collectively, the "Utilities"); and
- e. Any other agreements, contracts, covenants, variances, rights, benefits, and privileges related to or benefiting the Real Property or Appurtenances.

Section 2. <u>Purchase Price</u>. The purchase price to be paid by Buyer to Seller at Closing for the Property is [\$****] ("Purchase Price"), which Buyer agrees to pay and Seller agrees to accept, subject to the credits, prorations, and adjustments hereinafter set forth. The Purchase Price shall be payable as follows:

- a. <u>Deposit</u>. Within three (3) business days following the Effective Date of this Agreement, and as consideration for this Agreement, Buyer shall deliver by wire transfer of immediately available funds, denominated in U.S. Dollars, the sum of [\$******] ("Deposit") to [Title Company] ("Escrow Agent"), at the address specified in Section 16 below. The Deposit shall be held in trust by Escrow Agent as an earnest money deposit in an interest-bearing account, and disbursed only in accordance with the terms of this Agreement. The Deposit shall be non-refundable after the expiration of the Inspection Period (as defined in Section 3), except in the event that: (i) the Seller fails, refuses, or is unable to perform all of its obligations under this Agreement; (ii) one or more of the Closing Conditions in favor of Buyer set forth in Section 11 has not been satisfied by the applicable deadline as provided in such Section; or (iii) as otherwise specifically provided for in this Agreement.
- b. <u>Balance</u>. The Deposit shall be applied to the Purchase Price at Closing, and Buyer shall pay to the Seller the balance of the Purchase Price, subject to credits, adjustments, and prorations as herein provided, by wire transfer of immediately available funds, denominated in U.S. Dollars, received by Escrow Agent prior to 2:00 p.m. on the date of Closing.
- c. <u>Escrow Deposit</u>. The Deposit shall be invested by Escrow Agent in an interest bearing account, but only after Buyer has executed all necessary governmental forms, including a W-9 and delivered such form to Escrow Agent. Any and all interest earned on the Deposit shall accrue to the benefit of the Buyer and shall be reported to Buyer's federal tax identification number. Escrow Agent shall have no responsibility in case of failure or suspension of business of the institution holding the Deposit. Interest earned, if any, shall be credited to the Buyer upon Closing, or in the event of Buyer's default, paid to Seller.

Section 3. <u>Inspection Period; Buyer's Inspections</u>. For the period beginning with the Effective Date and continuing until 11:59 p.m. Eastern Time on the date that is ninety (90) days thereafter ("Inspection Period"), Seller hereby grants to Buyer the right to make or obtain any and all investigations, tests, studies, evaluations, assessments, and reports Buyer deems necessary or desirable with respect to the Property (the "Inspections").

- a. Subject to the restrictions set forth herein, Seller hereby grants to Buyer and Buyer's agents and independent contractors (hereinafter "Buyer's Consultants") a license to enter upon the Real Property for the purpose of performing Inspections, provided that (i) Seller shall have been afforded at least twenty-four (24) hours written notice of such intent to enter upon the Property and has been given the opportunity to be present and (ii) the Inspections shall not in any way damage the Property or any adjacent property or cause injury to any thing or person.
- b. Within five (5) business days after the Effective Date, Seller shall deliver to Buyer copies of all existing Seller's Approvals and Reports (referred to in this Section as the "Property Information"). Buyer acknowledges and agrees that the Property Information delivered to Buyer is being provided as an accommodation to Buyer and that Seller has not and does not make any representation or warranty whatsoever regarding the completeness or accuracy of the Property Information. If subsequent to Seller's initial delivery of the Property Information, Seller receives new or updated Property Information, then Seller shall promptly deliver same to Buyer.
- c. Buyer agrees that none of its Inspections, tests, analyses, or other activities conducted on or with respect to the Property shall cause damage or injury to the Property, persons, or adjacent property and that Buyer shall repair any damage to the Property caused by any such activities of Buyer or Buyer's Consultants. To the extent allowed under law, Buyer agrees to indemnify and hold harmless Seller from any loss, cost, damage, or expense arising from damage to the Property or injuries to persons or property from any loss, cost, damage, or expense arising from damage to the Property or injury to persons or property proximately caused by the acts or omissions of Buyer, or Buyer's Consultants while upon or about the Property or its appurtenances, pursuant to the rights granted under this Section. Notwithstanding anything to the contrary herein, Buyer shall not be responsible for any such loss, damage, or injury to persons or property to the extent such loss, damage, or injury is or was caused by Seller's negligence or willful misconduct. Notwithstanding the above, no provision, term, or condition of this Agreement will be construed as a waiver of any rights provided for by any provision of law, including but not limited to Section 768.28, F.S. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law. This provision will survive the termination of this Agreement for a period of six (6) months subsequent to the Closing Date.
- d. Notwithstanding the Inspection rights provided for above, Buyer shall not, without the prior written consent of Seller, conduct any environmental assessment or analysis beyond that included in ASTM Standard E1527-05 Phase I environmental site

assessment report prepared by a licensed and insured consulting environmental engineering firm ("Phase I Report"), or make any intrusive physical testing at the Property (such as soil borings, groundwater samplings, or the like) without the prior written consent of Seller. As a condition of Seller's consent, Buyer shall deliver to Seller for review a copy of Buyer's Phase I Report containing a recommendation that any such additional investigation be conducted, together with a copy of the written plan describing the scope and nature of additional environmental assessment in detail and such additional relevant information as the Seller may reasonably request ("Invasive Environmental Testing"). Seller shall deliver to Buyer Seller's consent, or refusal to consent, to such Invasive Environmental Testing, within ten (10) days from Seller's receipt of (i) and (iii) above, failing which Seller shall be deemed to have consented to the Invasive Environmental Testing. If the Seller consents to Invasive Environmental Testing, the Inspection Period shall not be extended. If the results of such Invasive Environmental Testing are not acceptable to Buyer, in Buyer's sole discretion, Buyer's sole right and remedy shall be to terminate the Agreement during the Inspection Period and receive the return of its Deposit.

e. Buyer shall have the right to terminate this Agreement for any reason whatsoever at any time prior to expiration of the Inspection Period by delivering written notice thereof to Seller, in accordance with Section 16 herein. In the event Buyer terminates this Agreement prior to the expiration of the Inspection Period pursuant to the preceding sentence, the Deposit shall be returned to Buyer with reasonable promptness and thereupon Buyer and Seller shall be released from any and all further obligations and liabilities to each other hereunder except as provided in this Agreement. In the event Buyer does not terminate this Agreement in writing on or before the expiration of the Inspection Period, Buyer's right to terminate this Agreement by reason of any matter or condition which was disclosed in or by virtue of the Inspections prior to the expiration of the Inspection Period shall cease, such that the Deposit shall become nonrefundable for any reason other than an event which, by the express terms of this Agreement, entitles Buyer to a return of the Deposit.

Section 4. <u>Title Insurance/Buyer's Survey</u>.

a. Within three (3) business days following the Effective Date, Seller shall deliver to Buyer and Escrow Agent a copy of Seller's existing title insurance policy ("Seller's Title Policy"), issued by [Name of Issuing Title Company] ("Title Company"), insuring Seller's fee simple title to the Real Property and appurtenances, together with a copy of all encumbrances disclosed in Schedule B, Section II of such existing policy, and together with a copy of Seller's existing boundary survey of the Property prepared by [Surveying Company] and dated [Date] ("Seller's Survey"). Within thirty (30) days following the Effective Date, Seller shall obtain from the Title Company, through Escrow Agent as the duly authorized agent of the Title Company, and deliver to Buyer a new owner's title insurance commitment, committing to issue to Buyer, upon payment of the Purchase Price and satisfaction of the requirements of such commitment, an owner's policy of title insurance policy (ALTA Form 2006, with Florida Modifications) insuring the title in the full amount of the Purchase Price (the "Title Commitment"). Seller shall include with such delivery a copy of any encumbrances disclosed in Schedule B, Section II of the Title Commitment that were not previously delivered to Buyer by Seller in connection with delivery of Seller's Title Policy. Marketable title shall be determined by according to standards for marketability recognized by The Florida Bar and the Title Company and in accordance with Florida law.

- b. Prior to expiration of the Inspection Period, Buyer, at its sole cost and expense, shall obtain an ALTA/ACSM survey, or update of Seller's survey, prepared by a Florida licensed surveyor, certified (at a minimum) to Seller, Buyer, and the Title Company, and depicting the Property and all of the plottable exceptions to the Title Commitment ("Buyer's Survey").
- c. Buyer shall have until the expiration of the Inspection Period within which to examine the Title Commitment and Buyer's Survey. If the Title Commitment reflects that title to the Real Property and Appurtenances is subject to any encumbrances, exceptions, or other matters unacceptable to Buyer, or Buyer's Survey discloses any encroachments, overlaps, description closure areas, or other exceptions or matters unacceptable to Buyer (individually, a "Title Defect" and collectively, "Title Defects"), then Buyer shall, prior to the expiration of the Inspection Period, notify Seller in writing of the Title Defects to which Buyer objects (collectively, "Title Objections"); provided, however, that the encumbrances listed in Exhibit B ("Existing Encumbrances") attached hereto shall not constitute Title Defects or be the subject of any Title Objections; Seller shall have no obligation to cure or remove them; and the same shall constitute "Permitted Exceptions" (as hereinafter defined) for purposes of this Agreement. The Existing Encumbrances, as well as any exceptions listed in the Title Commitment to which Buyer does not timely object, shall be deemed to be "Permitted Exceptions" to the title to the Property for purposes of this Agreement. Seller, at Seller's sole cost and expense, shall use commercially reasonable efforts to cause the Title Company to remove any Title Objections from the Title Commitment within thirty (30) days after receipt of notice of Title Objections from Buyer; provided, however, that Seller shall not be obligated to institute litigation or other proceedings, or to spend more than Five Thousand Dollars (\$5,000.00) in the aggregate to cause the removal of any Title Objections from the Title Commitment. If the Seller is unsuccessful in causing the Title Company to remove the Title Objections from the

Title Commitment within such thirty (30) day period, then Seller shall give notice to Buyer of such failure, whereupon Buyer shall have the option, by written notice to Seller given within five (5) business days after the expiration of such thirty (30) day period, of either (i) accepting the title in its existing condition, without reduction of the Purchase Price (and any Title Defects to which Title Objections have been waived shall become Permitted Exceptions); or (ii) terminating this Agreement by sending written notice of termination to Seller and Escrow Agent. Buyer's failure to give timely notice of election to Seller for purposes of this provision shall be deemed an election of alternative (i), herein. In the event that Buyer timely elects to terminate this Agreement, Escrow Agent shall return the Deposit to Buyer, and thereafter, neither Buyer nor Seller shall have any further liabilities or obligations hereunder, excepting only those liabilities and obligations which expressly survive termination pursuant to this Agreement.

d. Seller covenants and agrees that after the Effective Date it shall not enter into or record any document or instrument, or enter into any lease or other agreement, affecting or burdening title to the Property, unless Buyer has consented in writing to the execution or recordation of such document, instrument, or lease agreement. If any update or down-date endorsement to the Title Commitment, or any update of Buyer's Property, issued prior to Closing reveals any exception or survey defect not reflected in the Title Commitment or Buyer's Survey (an "Additional Exception"), which arose as the result of any act or omission of Seller to which Buyer did not consent, in writing, then Seller, at Seller's sole cost and expense, shall cause such Additional Exception to be deleted, at its expense, from the Title Commitment, or such survey defect removed from Buyer's Survey, at its expense, at or prior to Closing. Failure on the Seller's part to cause the deletion of such Additional Exception from the Title Commitment or Buyer's Survey shall constitute a default by Seller under this Agreement. Notwithstanding the foregoing, however, if any update of the Title Commitment or Buyer's Survey reflects any Additional Exception that arose as the result of any act or omission of Buyer, such Additional Exception shall not be included within the previous sentence, and shall not constitute a default by Seller, but shall be assumed by Buyer at Closing. If Seller defaults under this Agreement by failing to release or discharge any Additional Exception for which Seller has responsibility as provided above, on or before the Closing Date, then Buyer shall have the right, in addition to election of the remedies set forth in Section 14 below, of either accepting the title to the Property in its existing condition, without waiving the default by Seller, or of terminating this Agreement by sending written notice of termination to Seller and Escrow Agent, and, in either case, Buyer shall be entitled to recover from Seller all third party costs incurred by Seller, including reasonable attorneys' fees and costs incurred in connection with this Agreement and the acquisition of the Property, not to exceed One Hundred Thousand Dollars (\$100,000.00) in the aggregate. Any Additional Exception discovered by either

party that did not arise by the act or omission of either party shall be treated in the same manner as a Title Defect pursuant to subsection c., above.

Section 5. <u>License Agreement</u>. At Closing, Buyer agrees to grant Seller a License Agreement, in the form attached hereto as Exhibit C, to access the Property after Closing in order to operate certain facilities located on the Property generally referred to as the "Project Prairie Facilities," in accordance with an Operating Protocol in place between the Parties.

Section 6. <u>Covenants of Seller; Operation of the Property</u>. Seller hereby covenants and agrees that from and after the Effective Date:

- a. Seller will not, without the Buyer's prior written consent, create by its consent any encumbrances on the Property. For purposes of this provision the term "encumbrances" shall include, but not be limited to, any liens, claims, options, or other encumbrances, encroachments, rights-of-way, easements, covenants, conditions, or restrictions.
- b. Seller shall pay all assessments and taxes prior to becoming delinquent; provided, however, that Seller discloses that the Property has been classified as exempt from general ad valorem taxation for the tax year ending December 31, 2019.
- c. Seller will not create or consent to the creation of any special taxing districts or associations with the authority to impose taxes, liens, or assessments on the Property.
- d. Seller will not remove any fill or cause any change to be made to the condition of the Property without the prior written consent of Buyer.
- e. Seller shall take no action with respect to the Property that would alter or affect any of the representations or warranties of Seller under this Agreement or which would in any manner affect Buyer's future use and development of the Property.
- f. Seller shall maintain the Property in its current condition and shall not take any action that could or will adversely affect the value of the Property or alter the condition of the Property.

Section 7. <u>Closing/Closing Expenses</u>. Except as otherwise provided herein, the consummation of the transactions described in this Agreement ("Closing") shall take place at a meeting of the Parties' representatives at the offices of Escrow Agent in [City], Florida, or by mail if the Parties so agree, not later than one hundred eighty (180) days after the Effective Date ("Closing Date").

- a. At closing, Seller shall pay for the cost of state documentary stamps and surtax on the Deed, the premium, title search fee, and other costs pertaining to the basic owner's Title Commitment and title insurance policy to be issued to Buyer, in an amount equal to the Purchase Price, and for the recording of, and any and all other costs and expenses of obtaining, all title corrective instruments. Seller shall be responsible for Seller's own legal fees and costs.
- b. At Closing, Buyer shall pay the fee for recording the Deed, the cost of Buyer's Survey (if not sooner paid), the cost of any endorsements or special coverages for Buyer's benefit in connection with issuance of the Title Commitment and policy of title insurance, as well as for any title insurance coverage in favor of Buyer's lender, if any, and all of Buyer's costs of financing, if any. Buyer shall be responsible for Buyer's own legal fees and costs.

Section 8. <u>Closing Documents</u>. The Closing Documents shall be provided by the Parties as set forth below:

- a. At Closing, Seller shall execute and/or deliver to Buyer, in form acceptable to Buyer:
 - i. A quit claim deed ("Deed"), substantially in the format provided in Section 125.411, F.S., conveying to Buyer its interest in the Property;
 - ii. An affidavit of ownership, gap, possession, and the absence of liens;
 - An assignment and assumption agreement ("Assignment Agreement") of Seller's right, title, and interest, if any, in and to all of Seller's Approvals and Report, to the extent assignable, without representation, warranty, or recourse as to Seller;
 - iv. A certificate of non-foreign status in compliance with the Internal Revenue Code and the regulations promulgated thereunder;
 - v. A duly executed certification that every representation and warranty of Seller under this Agreement is true and correct as of the closing as if made by Seller at such time;
 - vi. Any documents reasonably requested by Buyer or the Title Company in connection with Seller's authority to execute this Agreement, the Deed, and all other documents contemplated under this Agreement;

- vii. A closing statement prepared by Escrow Agent setting forth all amounts paid, credited, and otherwise due, payable and paid hereunder ("Closing Statement"); and
- viii. Such additional documents or instruments as may be required to effectuate the terms, conditions, and provisions of this Agreement and to carry out the intent of the Parties to this Agreement, or as may be reasonably required by the title insurance company, so as to be able to delete at Closing all of the requirements of Schedule B, Section 1 of the Title Commitment and all of the standard printed exceptions from Schedule B, Section 2 of the Title Commitment (other than the exception for taxes and assessments for the current year not yet due and payable, zoning and other land use restrictions, the survey exception, which shall be limited to the specific matters affecting the Property reflected on the Buyer's Survey, and the Permitted Exceptions), and to insure the gap between the effective date of the Title Commitment and the recording of the Deed conveying title to the Property from Seller to Buyer.
- b. At Closing, Buyer shall deliver to Seller:
 - i. A Closing Statement, executed in counterpart;
 - ii. The Assignment Agreement, executed in counterpart;
 - A duly executed certification that every representation and warranty of Buyer under this Agreement is true and correct as of the Closing as if made by Buyer at such time;
 - iv. The balance of the Purchase Price and the Deposit (as adjusted for all credits, adjustments, and prorations set forth in this Agreement);
 - v. An executed License Agreement; and
 - vi. Such additional documents or instruments as may be reasonably required or requested by Seller to effectuate the terms, conditions, and provisions of this Agreement.

Section 9. <u>Prorations</u>. The following items shall be adjusted, apportioned, and allowed as of the Closing Date:

- a. <u>Special Assessment Liens</u>. If, on the Closing Date, the Property or any part thereof, shall be or have been affected by any certified, confirmed, and ratified special assessment liens (from which the Property is not exempt, as provided in subsection b., below), the same shall be paid and discharged by Seller. Pending liens from which the Property is not exempt shall be assumed by Buyer; provided, however, that once the amount of a pending special assessment lien for the year of Closing has been finally determined, the amount of the special assessment lien shall be prorated and Seller shall reimburse Buyer for any amounts paid by Buyer which are allocable to the period of time Seller owned the Property within thirty (30) days of Buyer's delivery to Seller of the proration statement.
- b. Real Estate Taxes. The Property is currently exempt from general ad valorem taxation ("Real Estate Taxes") for the year 2020. If, as of the Closing Date, the office of the DeSoto County Tax Collector ("DCTC") has determined that the Property is exempt from Real Estate Taxes ("tax exempt") in the year in which Closing occurs, then no proration of Real Estate Taxes shall be conducted between the Parties at closing. If, however, as of the Closing Date, the DCTC has determined that the Property is not tax exempt for the year of Closing, then, at Closing, a bill for Real Estate Taxes for the Property ("Tax Bill") has been received, Seller and Buyer will prorate Real Estate Taxes as of the Closing Date based on the actual Tax Bill. If, however, the DCTC has made an assessment on the Property, but no Tax Bill has been issued by DeSoto County for the year of Closing, then the Real Estate Taxes shall be prorated based upon a millage rate that would have applied to the Property in the previous tax year had it not been tax exempt and the assessment for the year of Closing as determined by HCTC. If, however, as of the Closing Date, either the tax exempt status of the Property is unknown, or the HCTC has determined that the Property is not tax exempt for the year of Closing, but has not made an assessment of the Property for Real Estate Taxes, then no Real Estate Taxes shall be prorated at Closing, but Seller and Buyer will prorate the Real Estate Taxes between themselves, effective as of the Closing Date, promptly after Buyer receives the actual Tax Bill for the year of Closing from DeSoto County. Buyer will provide Seller with a copy of the Tax Bill for the year of Closing, together with Buyer's reasonable estimate of the prorated sum due from Seller, promptly upon receipt of the Tax Bill by Buyer. Seller will promptly remit to Buyer, within thirty (30) days after receipt of a copy of the Tax Bill and proration statement from Buyer, a sum equal to the protocol portion of the taxes allocable to the portion of the year in which Seller owned the Property and Buyer shall be responsible for payment of the full tax to DeSoto County.
- c. The provisions of this Section shall survive Closing.

Section 10. <u>Closing Conditions</u>. Buyer's obligation to close this transaction shall be subject to the satisfaction of each of the following conditions (individually, a "Closing Condition" and collectively, "Closing Conditions") on or before the Closing Date, unless an earlier date for satisfaction of such conditions is expressly set forth below:

- a. Seller shall not be in default under any term, covenant, or condition of this Agreement.
- b. Each of the representations and warranties of Seller set forth in this Agreement shall be true, complete, and correct at the date of Closing as if made at that time, and the Seller shall have delivered its certificate to such effect to Buyer.
- c. At the Closing, the Title Company shall irrevocably commit to issue to Buyer an Owner's Policy of title insurance (ALTA 2006, with Florida modifications), dated as of the date and time of the recording of the Deed, in the amount of the Purchase Price, insuring Buyer as owner of good, marketable, and indefeasible fee simple title to the Property, free and clear of liens, and subject only to the Permitted Exceptions ("Title Policy").

In the event that any of the foregoing conditions precedent to Closing have not been satisfied as of the Closing Date, Buyer shall have the right to waive any or all of the foregoing conditions and close this transaction or Buyer shall have the right to terminate the Agreement, and in such event the Deposit and all interest earned thereon shall be refunded to Buyer and neither Party shall have any further rights or obligations hereunder, except those obligations which survive termination of this Agreement.

Section 11. <u>Brokers</u>. Seller represents and warrants to Buyer that Seller has not dealt with any real estate broker, sales person, or finder who is entitled to a commission or other compensation in connection with this transaction. Buyer represents and warrants to Seller that Buyer has not dealt with any real estate broker, sales person, or finder who is entitled to a commission or other compensation in connection with this transaction. In the event of any claim for a broker's or finder's fee or commission in connection with this Agreement or the transactions contemplated thereby, each Party shall defend, indemnify, and hold harmless the other Party from and against any such claim based upon any statement, representation, or agreement of such party. Notwithstanding the above, no provision, term, or condition of this Agreement will be construed as a waiver of any rights provided for by any provision of law, including but not limited to Section 768.28, F.S. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law. The mutual indemnities and representations and warranties of Seller and Buyer in this Section shall survive Closing.

Section 12. Seller's Representation and Warranties.

a. BUYER ACKNOWLEDGES AND AGREES THAT SELLER HAS NOT MADE, DOES NOT MAKE AND SPECIFICALLY NEGATES AND DISCLAIMS ANY **REPRESENTATIONS**, WARRANTIES **(OTHER** THAN THE **REPRESENTATIONS AND WARRANTIES EXPRESSLY SET FORTH IN** SECTION 12.b. BELOW), PROMISES, COVENANTS, AGREEMENTS OR GUARANTIES OF ANY KIND OR CHARACTER WHATSOEVER, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, PAST, PRESENT, OR FUTURE, OF, AS TO, CONCERNING OR WITH RESPECT TO (A) THE VALUE, NATURE, QUALITY OR CONDITION OF THE PROPERTY, INCLUDING, WITHOUT LIMITATION, THE WATER, SOIL AND GEOLOGY THEREOF, (B) THE INCOME TO BE DERIVED FROM THE PROPERTY OR THE TAX CONSEQUENCES OF OWNING SAME, (C) THE SUITABILITY OF THE PROPERTY FOR ANY AND ALL ACTIVITIES AND USES WRICH BUYER MAY CONDUCT THEREON, (D) THE COMPLIANCE OF OR BY THE PROPERTY OR ITS OPERATION WITH ANY LAWS, RULES, ORDINANCES OR REGULATIONS OF ANY APPLICABLE GOVERNMENTAL AUTHORITY OR BODY, (E) THE HABITABILITY, MERCHANTABILITY, MARKETABILITY, OR PROFITABILITY OF THE PROPERTY, (F) THE MANNER OR QUALITY OF THE CONSTRUCTION OR MATERIALS, IF ANY, INCORPORATED INTO THE PROPERTY, (G) THE QUALITY, STATE OF REPAIR OR LACK OF REPAIR OF THE PROPERTY, OR (H) ANY OTHER MATTER WITH **RESPECT TO THE PROPERTY. SPECIFICALLY, SELLER HAS NOT** MADE, DOES NOT MAKE AND SPECIFICALLY DISCLAIMS ANY REPRESENTATIONS REGARDING **COMPLIANCE** WITH ANY ENVIRONMENTAL PROTECTION, POLLUTION OR LAND USE, ZONING **OR DEVELOPMENT REGIONAL IMPACT LAWS, RULES,** OF **REGULATIONS, ORDERS OR REQUIREMENTS, INCLUDING THE** EXISTENCE IN, ON, OR UNDER THE PROPERTY OF HAZARDOUS MATERIALS (AS DEFINED IN SECTION 12.b.iii. BELOW). BUYER ACKNOWLEDGES AND AGREES THAT FURTHER IT IS Α KNOWLEDGEABLE BUYER OF REAL ESTATE AND HAS BEEN GIVEN THE OPPORTUNITY TO INSPECT THE PROPERTY AND BUYER IS **RELYING SOLELY ON ITS OWN INVESTIGATION OF THE PROPERTY** AND NOT ON ANY INFORMATION PROVIDED OR TO BE PROVIDED BY SELLER (OTHER THAN THE REPRESENTATIONS AND WARRANTIES EXPRESSLY SET FORTH IN SECTION 12.b.iii. BELOW) AND AT THE CLOSING AGREES TO ACCEPT THE PROPERTY AND WAIVE ALL

OBJECTIONS OR CLAIMS AGAINST SELLER (INCLUDING, BUT NOT LIMITED TO, ANY RIGHT OR CLAIM OF CONTRIBUTION) ARISING FROM OR RELATED TO THE PROPERTY OR TO THE PRESENCE OF ANY HAZARDOUS MATERIALS IN, ON, OR UNDER THE PROPERTY, OTHER THAN CLAIMS ARISING FROM MISREPRESENTATION OR BREACH OF THE REPRESENTATIONS AND WARRANTIES EXPRESSLY SET FORTH IN SECTION 12.b. BELOW. BUYER FURTHER ACKNOWLEDGES AND AGREES THAT ANY INFORMATION PROVIDED OR TO BE PROVIDED BY SELLER OR SELLER'S AGENT WITH RESPECT TO THE PROPERTY WAS OBTAINED FROM A VARIETY OF SOURCES AND THAT SELLER MADE HAS ANY INDEPENDENT NOT INVESTIGATION OR VERIFICATION OF SUCH **INFORMATION** NO AND MAKES REPRESENTATION OR WARRANTY AS TO THE ACCURACY OR **COMPLETENESS OF SUCH INFORMATION. SELLER IS NOT LIABLE OR** BOUND IN ANY MANNER BY ANY VERBAL OR WRITTEN STATEMENTS, REPRESENTATIONS OR INFORMATION PERTAINING TO THE PROPERTY, OR THE OPERATION THEREOF, FURNISHED BY ANY REAL ESTATE BROKER, AGENT, OR OTHER PERSON. BUYER FURTHER ACKNOWLEDGES AND AGREES THAT TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE SALE OF THE PROPERTY, AS PROVIDED FOR HEREIN, IS MADE ON AN "AS IS," "WHERE-IS," "WITH ALL FAULTS" CONDITION AND BASIS. IT IS UNDERSTOOD AND AGREED THAT THE PURCHASE PRICE HAS BEEN ARRIVED UPON BY PRIOR **NEGOTIATION TO REFLECT THAT ALL OF THE PROPERTY IS SOLD BY** SELLER AND PURCHASED BY BUYER SUBJECT TO THE FOREGOING. THE PROVISIONS OF THIS SECTION 12.a. SHALL SURVIVE THE **CLOSING AND ANY TERMINATION OF THIS AGREEMENT.**

- b. Seller represents and warrants to Buyer and covenants and agrees with Buyer as follows:
 - i. Seller has not entered into any contracts, subcontracts, arrangements, leases, licenses, concessions, easements, or other agreements, either recorded or unrecorded, written or oral, affecting all, or any portion of, or any interest in the Property, which will not have been terminated or expired prior to Closing, except for the Permitted Exceptions;
 - ii. To Seller's knowledge, there are no: (1) existing or pending improvement or special assessment liens affecting the Property; (2) violations of building codes and/or zoning ordinances or other governmental or regulatory laws,

ordinances, regulations, orders or requirements affecting the Property; (3) existing, pending or threatened lawsuits, or appeals of prior lawsuits, affecting the Property; (4) existing, pending or threatened condemnation proceedings affecting the Property; (5) existing, pending or threatened zoning, building or other moratoria, downzoning petitions, proceedings, restrictive allocations or similar matters that could adversely affect the development of the Contemplated Improvements on the Property; or (6) unrecorded easements, restrictions or encumbrances affecting all or any part of the Property;

- Seller has not used, manufactured, stored, or released any "Hazardous iii. Materials" (as hereinafter defined) on, in or around the Property, and, to Seller's knowledge, no other person or entity has ever used, manufactured, stored or released any Hazardous Materials on, in or around the Property, and, to Seller's knowledge, no Hazardous Materials are present in, on, under or around the Property. As used herein, "Hazardous Materials" shall mean petroleum and petroleum based products and any other substance or material, the use, manufacture, storage, release or presence of which in land, water or elsewhere in the environment is limited, prohibited or in any other way regulated by any federal, state or local law, ordinance, rule or regulation. Seller makes no warranty or representation with respect to the status or suitability of the surface or subsurface of the Property or its suitability for any purpose. Buyer shall be solely responsible for all surface and subsurface investigation with respect to the Property and hereby releases Seller for any liability or responsibility for clean-up, remediation, or response costs in connection with Hazardous Materials that may be found on the surface of or within the subsurface of the Property, including contribution or indemnification under applicable environmental laws, except for any such Hazardous Materials deposited on the surface or within the subsurface by Seller, its agents or contractors. The foregoing release of Seller shall survive the Closing of this transaction;
- iv. There are no agreements currently in effect which prohibit or restrict the sale of the Property;
- v. Seller has the right, power and authority to execute and deliver this Agreement, to perform each and every obligation of Seller hereunder, and to consummate the transactions contemplated by it; neither the execution and delivery of this Agreement, and, to Seller's knowledge, neither the performance or consummation of the obligations and transactions

contemplated by it, nor the fulfillment of, nor the compliance with, the terms, conditions and provisions of this Agreement will conflict with, or result in a violation or breach of, any relevant law, or any other instrument or agreement of any nature to which Seller is a party or by which it is bound or may be affected, or constitute (with or without the giving of notice or the passage of time) a default under such an instrument or agreement; no consent, approval, authorization or order of any person is required with respect to the execution or delivery of this Agreement or the performance and consummation of the transactions contemplated by this Agreement;

- vi. No commitments or agreements have been or will be made by Seller to any governmental authority, utility company, school board, church or other religious body, any homeowners or homeowners' association, or any other organization, group or individual, relating to the Property which would impose an obligation upon Buyer to make any contributions or dedications of money, land, or any interest in land, to construct, install or maintain any improvements of a public or private nature on or off the Property;
- vii. Seller has received no notice of and to its knowledge there is no violation of any law, regulation, ordinance, order or judgment affecting the Property; and
- viii. Seller owns the Property in fee simple, subject only to those matters to be disclosed in the Title Commitment.

At all times during the term of this Agreement and as of the Closing Date, all of Seller's representations, warranties and covenants in this Agreement shall be true and correct; no representation or warranty by Seller contained in this Agreement and no statement delivered or information supplied to Buyer pursuant to this Agreement contains any untrue statement of a material fact or omits to state a material fact necessary in order to make the statements or information contained in them or in this Agreement not misleading. In the event that any of the foregoing representations or warranties becomes untrue as a result of an act of a third party which is unrelated to and unaffiliated with Seller then such inaccuracy shall not be deemed to be a breach by the Seller, but such inaccuracy shall permit Buyer to terminate this Agreement. This Section and the representations and warranties set forth herein shall survive the Closing or any termination of this Agreement for a period of six (6) months following the Closing Date or such date of termination, whichever shall first occur. Any action by Buyer against Seller for a breach or failure of any representations or warranties made in this Agreement must be commenced within such six (6) month period. At the end of the six (6) month period, Seller shall have no further liability with

respect to the Seller's representations and warranties made in this Agreement, except for those, if any, with respect to which suit has been filed in a court of competent jurisdiction within such six (6) month period. Any action for damages or other relief by Buyer against Seller with respect to an alleged breach of any representations and warranties shall be subject to the limitations of Section 14.b. below. If, prior to Closing, Buyer learns that any of Seller's representations and warranties made in this Agreement are not true and correct in any respect and Buyer closes nonetheless, Buyer shall be deemed to have accepted such failure of representation or warranty and Seller shall have no liability with respect thereto.

Section 13. <u>Buyer's Representations, Warranties, and Covenants</u>. Buyer represents and warrants to Seller that:

- a. Buyer has the right, power and authority to make and perform Buyer's obligations under this Agreement. Each of the persons executing this Agreement on behalf of Buyer has been duly authorized to do so by all necessary and appropriate action;
- b. The execution, delivery and performance of this Agreement in accordance with its terms do not violate any applicable organization document of Buyer;
- c. This Agreement is the valid and binding obligation of Buyer, enforceable against Buyer in accordance with its terms;
- d. To Buyer's knowledge, there are no actions, lawsuits, litigation, or other proceedings pending or threatened with respect to the Buyer that, if adversely determined, could have a material, adverse effect upon Buyer's ability to perform its obligations under this Agreement, including without limitation its ability to close the transaction contemplated by this Agreement on the Closing Date.

At all times during the term of this Agreement and as of the Closing Date, all of Buyer's representations, warranties, and covenants in this Agreement shall be true and correct; no representation or warranty by Buyer above contains any untrue statement of a material fact or omits to state a material fact necessary in order to make the statement or information contained in it not misleading. In the event that any of the foregoing representations or warranties becomes untrue as a result of an act of a third party which is unrelated to and unaffiliated with Buyer, then such inaccuracy shall not be deemed to be a breach by the Buyer, but such inaccuracy shall permit Seller to terminate this Agreement. This Section and the representations and warranties set forth herein shall survive the Closing or any termination of this Agreement for a period of six (6) months following the Closing Date or such date of termination, whichever shall first occur. Any action by Seller against Buyer for a breach or failure of any representations or warranties made in this Agreement must be commenced within such six (6) month period. At the end of the six (6) month

period, Buyer shall have no further liability with respect to the Buyer's representations and warranties made in this Agreement, except for those, if any, with respect to which suit has been filed in a court of competent jurisdiction within such six (6) month period. If, prior to Closing, Seller learns that any of Buyer's representations and warranties made in this Agreement are not true and correct in any respect and Seller closes nonetheless, Seller shall be deemed to have accepted such failure of representation or warranty and Buyer shall have no liability with respect thereto.

Section 14. Default.

- a. <u>Default by Buyer</u>. In the event that Buyer shall fail to perform its obligations under this Agreement, and such failure is through no fault or failure of Seller to comply with its obligations hereunder, or if any of the representations, warranties and covenants of Buyer shall at any time on or before Closing shall be found to be false or misleading in any material respect, then Seller may terminate this Agreement and retain the Deposit (or so much thereof as has been paid through the date of termination of this Agreement), as full and complete, agreed upon liquidated damages and not as a penalty. The foregoing shall be Seller's sole and exclusive remedy against Buyer (except that Seller shall have the right to recover costs, expenses and reasonable attorneys' fees and costs as and to the extent provided in Section 22 below) and Seller hereby waives any right to all other remedies, damages and claims related to such breach or default by Buyer.
- b. <u>Default by Seller</u>. If Seller shall fail to perform its obligations hereunder and such failure is through no fault or failure of Buyer to comply with its obligations under this Agreement, or if any of the representations, warranties and covenants of Seller shall at any time on or before Closing be found to be false or misleading in any material respect, or if Seller is otherwise in default under the terms and provisions of this Agreement, Buyer may elect, as its sole, exclusive and absolute remedy, to pursue either of the remedies set forth in subsection i., below, subject in any case, however, to the limitations set forth in subsection ii., below:
 - i. <u>Buyer Remedies Upon Seller Breach</u>. Buyer may elect either (a) to terminate this Agreement and obtain a refund of so much of the Deposit as has been paid by Seller, together with reimbursement by Seller to Buyer of up to Fifty Thousand Dollars (\$50,000) in actual out-of-pocket third party costs and expenses incurred by Buyer in connection with this transaction (as evidenced by third party invoices or receipts) (collectively, "out-ofpocket expenses") (the foregoing remedy herein referred to as the "refund remedy"), or (b) to pursue specific performance of this Agreement by Seller, in connection with which, if the remedy of specific performance is

unavailable as the result of the willful and intentional act of Seller, then Buyer shall retain the right to the refund remedy. In order to pursue specific performance, however, Buyer must file an action seeking such remedy within forty-five (45) days of the scheduled Closing Date, or else Buyer shall be deemed to have waived the right to seek specific performance and elected the refund remedy. The foregoing shall be Buyer's sole and exclusive remedies against Seller in the event of any breach or default by Seller (except that Buyer shall have the right to recover costs, expenses and reasonable attorneys' fees and costs as and to the extent provided in Section 22 below).

ii. <u>No Other Remedies or Recourse</u>. Except as specifically set forth in this Section, Buyer does hereby specifically waive any right to pursue any other remedy at law or equity for any breach or default of Seller, including, without limitation, any right to seek, claim or obtain punitive damages or consequential damages, including, without limitation, any claim for lost profits or development opportunities.

Section 15. <u>Notices</u>. All notices, consents, approvals, waivers, and elections which any party shall be required or shall desire to make or give under this Agreement shall be in writing and shall be sufficiently made or given only when delivered in person, or sent by facsimile with the original simultaneously sent by nationwide overnight delivery service:

To Buyer:	Peace River Manasota Regional Water Supply Authority		
	Attention: Executive Director		
	9415 Town Center Parkway		
	Lakewood Ranch, Florida 34202		
To Seller:	DeSoto County		
	Attention: County Administrator		
	201 East Oak Street, Suite 201		
	Arcadia, Florida 34266		
To Escrow Agent:	[Name]		
	[Address]		
	[City, State, Zip]		

Notices, consents, approvals, waivers, and elections given or made as aforesaid shall be deemed to have been dated, given, and received (i) on the date of actual receipt if transmitted by overnight courier, hand delivery, or U.S. Mail, return receipt requested, if a signed receipt is obtained, or (ii)

on the date of transmission, if transmitted by facsimile and confirmation of successful transmission is provided; or (iii) five (5) business days after transmittal by ordinary U.S. Mail.

Section 16. <u>Assignment</u>. No Assignment of the Parties' rights under this Agreement shall be permitted without prior written consent of the other Party, which shall not be unreasonably withheld or delayed.

Section 17. <u>**Radon Gas Notice</u>**. Pursuant to Section 404.056(5), F.S. Seller hereby makes, and Buyer hereby acknowledges, the following notification:</u>

RADON GAS: Radon is a naturally occurring radioactive gas that, when it has accumulated in a building in sufficient quantities, may present health risks to persons who are exposed to it over time. Levels of radon that exceed federal and state guidelines have been found in buildings in Florida. Additional information regarding radon and radon testing may be obtained from your county public health unit.

Section 18. <u>Escrow Agent</u>.

- a. Escrow Agent shall not be deemed to have any implied duties or obligations under or related to this Agreement.
- b. Escrow Agent may: (a) act in reliance upon any writing or instrument or signature which it, in good faith, believes to be genuine; (b) assume the validity and accuracy of any statement or assertion contained in such a writing or instrument; and (c) assume that any person purporting to give any writing, notice, advice or instructions in connection with the provisions of this Agreement has been duly authorized to do so. Escrow Agent shall not be liable in any manner for the sufficiency or correctness as to form, manner of execution, or validity of any instrument deposited in escrow, nor as to the identity, authority, or right of any person executing any instrument; Escrow Agent's duties under this Agreement are and shall be limited to those duties specifically provided in this Agreement.
- c. The Parties to this Agreement do and shall indemnify Escrow Agent and hold it harmless from any and all claims, liabilities, losses, actions, suits or proceedings at law or in equity, or other expenses, fees, or charges of any character or nature, including attorneys' fees and costs, which it may incur or with which it may be threatened by reason of its action as Escrow Agent under this Agreement, except for such matters which are the result of Escrow Agent's negligence or willful misconduct. Notwithstanding the above, no provision, term, or condition of this Agreement will be

construed as a waiver of any rights provided for by any provision of law, including but not limited to Section 768.28, F.S. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law.

- d. If the Parties and Escrow Agent shall be in disagreement about the interpretation of this Agreement, or about their respective rights and obligations, or about the propriety of any action contemplated by Escrow Agent, Escrow Agent may, but shall not be required to, file an action in interpleader to resolve the disagreement; upon filing such action, Escrow Agent shall be released from all obligations under this Agreement. Escrow Agent shall be indemnified for all costs and reasonable attorneys' fees, including those for appellate matters and for paralegals and similar persons, incurred in its capacity as escrow agent in connection with any such interpleader action; Escrow Agent may represent itself in any such interpleader action and charge its usual and customary legal fees for such representation, and the court shall award such attorneys' fees, including those for appellate matters and for paralegals and similar persons, to Escrow Agent from the losing party. Escrow Agent shall be fully protected in suspending all or part of its activities under this Agreement until a final judgment in the interpleader action is received. Notwithstanding the above, no provision, term, or condition of this Agreement will be construed as a waiver of any rights provided for by any provision of law, including but not limited to Section 768.28, F.S. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law.
- e. Escrow Agent may resign upon five (5) calendar days' written notice to Seller and Buyer. If a successor escrow agent is not appointed jointly by Seller and Buyer within the five (5) calendar-day period, Escrow Agent may petition a court of competent jurisdiction to name a successor.
- f. The Parties acknowledge and agree that Escrow Agent is the law firm representing Buyer with regard to this Agreement and the transaction which is the subject hereof, and hereby waive any claim against Escrow Agent based upon a conflict of interest as a result of Escrow Agent serving in such dual capacities, excluding only actions by Escrow Agent constituting knowing and intentional misconduct. Seller further agrees that Escrow Agent shall be permitted to represent Buyer in all aspects of this Agreement and the subject transaction, including, without limitation, any dispute with respect to the Deposit.

g. The provisions of this Section shall survive the Closing and also the termination of this Agreement.

Section 19. <u>General Provisions</u>. The following general terms and conditions apply to this Agreement:

- a. <u>Singular/Plural; Masculine/Feminine</u>. Words used herein in the singular shall include the plural and words in the masculine/feminine/neuter gender shall include words in the masculine/feminine/neuter where the text of this Agreement requires.
- b. <u>Titles</u>. Headings in this Agreement are for convenience only.
- c. <u>Successors</u>. The terms, covenants, and conditions of this Agreement shall be binding upon and inure to the benefit of the Parties hereto and their respective heirs, successors, and assigns, except as herein limited.
- d. <u>Choice of Law; Venue</u>. This Agreement shall be interpreted according to the laws of the State of Florida. Venue for any litigation or proceeding between Seller and Buyer shall lie exclusively in the Circuit Court in and for the Thirteenth Judicial Circuit of the State of Florida, Sarasota County.
- e. <u>Time</u>. Time is of the essence in the performance of each and every one of the obligation of the Parties to this Agreement. Unless otherwise specified, in computing any period of time described herein, the day of the act or event for which the designated period of time begins to run is not to be included and the last day of the period so computed is to be included, unless such last day is a Saturday, Sunday or legal holiday, in which event the period shall run until the end of the next day which is neither a Saturday, Sunday or legal holiday.
- f. <u>Effective Date</u>. The last date this Agreement is executed by Buyer and Seller shall be deemed to be the "Effective Date" of this Agreement.
- g. <u>Jury Trial Waiver</u>. In the event that it becomes necessary for either Party to bring suit to enforce the terms of this Agreement, then each Party hereby irrevocably and unconditionally waives any right it may have to a trial by jury.
- h. Joint and Several Liability; Sovereign Immunity. The Parties hereby agree that the liability of each hereunder shall be joint and several. Notwithstanding the above, no provision, term, or condition of this Agreement will be construed as a waiver of any rights provided for by any provision of law, including but not limited to Section 768.28, F.S. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing

any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law.

Section 20. Entire Agreement; Construction; Severability. This Agreement integrates and supersedes all other agreements and understandings of every character of the Parties and comprises the entire agreement between them. This Agreement may not be changed, except in writing signed by the Parties. No waiver of any rights or obligations hereunder shall be deemed to have occurred unless in writing signed by the party against whom such waiver is asserted and no waiver shall be deemed a waiver of any other or subsequent right or obligations. The parties acknowledge that the parties and their respective counsel have reviewed and revised this Agreement and, therefore, the normal rule of construction of contracts that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Agreement and any exhibits or amendments thereto. If any portion of this Agreement is held to be invalid or inoperative, the remainder of it shall be deemed valid and operative, and effect shall be given to the intent manifested by the portion held invalid or inoperative to the extent possible.

Section 21. <u>Seller Cooperation</u>. So long as Seller is not required to incur any cost or expense with regard thereto, Seller shall cooperate with Buyer in performing its due diligence with respect to the Property and in seeking any and all consents, permits or approvals regarding the Property as Buyer may request.

Section 22. <u>Litigation Fees and Costs</u>. In any litigation or other proceedings brought under the terms of this Agreement, whether at trial or appellate level or in bankruptcy or reorganization proceedings under federal or state law, the prevailing party in such litigation shall be entitled to recover from the non-prevailing party in such litigation all costs, expenses and reasonable attorneys' fees and paralegals' fees incurred from the non-prevailing party.

IN WITNESS WHEREOF, each of the Parties has executed this Agreement upon the dates indicated below, and the Parties executing this Agreement hereby represent to the other that they have full and complete authority to execute the same on behalf of the entities for which they sign.

ATTEST:

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Patrick J. Lehman Executive Director Ken Doherty Chair

Date

Approved as to Form:

Douglas Manson General Counsel for the Authority

ATTEST:

BOARD OF COUNTY COMMISSIONERS OF DESOTO COUNTY, FLORIDA

Mandy J. Hines County Administrator

Juril O. Mansfield Chair

Date

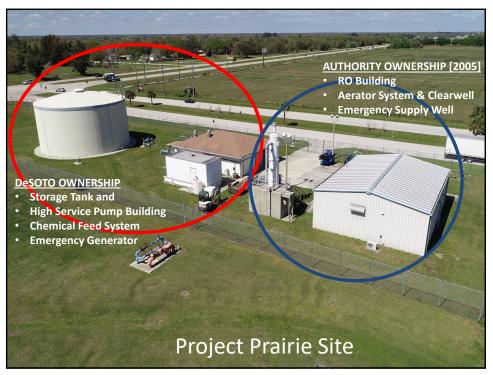
Approved as to Form and Legal Sufficiency:

Donald D. Conn County Attorney [Exhibits]

TAB B Presentation Materials

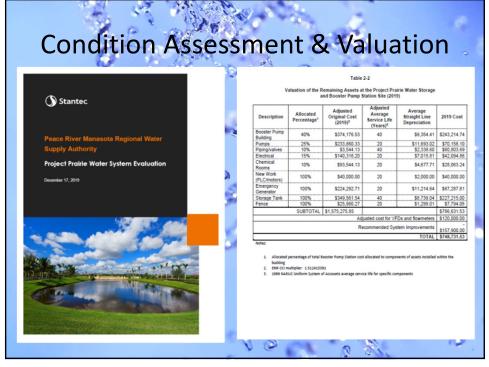




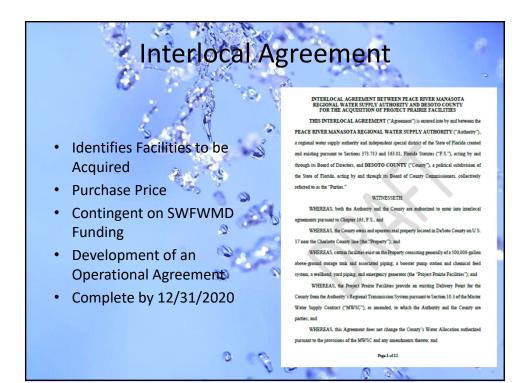








Phase	e 1 Fun	ding P	rojectio	ns
Component	State of Florida	Punta Gorda	SWFWMD	Total
Project Funds Budgeted	\$4,000,000	\$2,000,000	\$6,000,000	\$12,000,000
Projected Expenditures	State of Florida	Punta Gorda	SWFWMD	Total
Design, Permitting Construction & Land	\$4,000,000	\$2,000,000	\$4,800,000	\$10,800,000
Remaining Funds	\$0	\$0	\$1,075,000 (1)	
Project Prairie Acquisition Cost	\$0	\$0	\$748,700	\$748,700
Total with Project Prairie Acquisition	\$4,000,000	\$2,000,000	\$5,548,700	\$11,548,700
(1) Removes Land Acquisition	n Funds from SWFW	/MD Fundable Total	A Sector	0







TAB CProject Prairie Water System Evaluation (Stantec, December 17, 2019)



Peace River Manasota Regional Water Supply Authority

Project Prairie Water System Evaluation

December 17, 2019





December 17, 2019

Mr. Patrick Lehman Executive Director Peace River Manasota Regional Water Supply Authority 9415 Town Center Parkway Lakewood Ranch, FL 34202

Re: Project Prairie Water System Evaluation

Dear Mr. Lehman,

Stantec Consulting Services Inc. is pleased to present this Final Report of the Project Prairie Water System Evaluation that we have performed on behalf of the Peace River Manasota Regional Water Supply Authority. If you have any questions, please do not hesitate to call me at (407) 341-3083 or email me at harold.schmidt@stantec.com.

We appreciate the opportunity to be of service to the Authority and look forward to working with you again soon.

Sincerely,

Lawles. Schmix

Harold E. Schmidt, Jr., P.E., BCEE South Wastewater Practice Director 777 South Harbour Island Boulevard, Suite 600 Tampa, FL 33602-5729 harold.schmidt@stantec.com

Enclosure

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1. PROJECT PRAIRIE UTILITY SYSTEM

1.1 BACKGROUND

In May 1991, DeSoto County (County) signed an agreement with the Peace River Manasota Regional Water Supply Authority (Authority) for the supply of an initial allocation of 0.05 million gallons per day (MGD) of potable water. Prior to this date, the County did not provide utility services. Since that date, the County has signed subsequent agreements with the Authority that increased the County's allocation to 0.675 MGD (annual average day) pursuant to the Master Water Supply Contract.

In February 1999, the County approved several Ordinances regarding the regulation of water and sewerage systems and bulk water utilities, and franchise rights within the County. The exclusive water and wastewater franchise rights east of the Peace River were granted to Florida Water Services Corporation (FWSC) and excluded the Lake Suzy Service Area. In November 2001, the FWSC franchise rights were transferred to the County by Stipulated Settlement Agreement.

In February 2002, County Ordinance 2002-04 created a County owned water and wastewater utility system (System). This Ordinance established rules and an exclusive service area encompassing all unincorporated areas of the County, less those areas serviced by the City of Arcadia and the Lake Suzy Service Area. The County subsequently entered into an agreement with Wal-Mart Stores Inc. to supply the Wal-Mart Distribution Center with potable water and wastewater treatment in July 2002. An agreement was reached between the Authority and the County in August 2002 to extend the Authority's regional transmission pipeline from the Authority's Water Treatment Plant (WTP), east and south on US Highway 17 to approximately the Charlotte County line. The County terminated this initial agreement in August 2003, and a revised agreement was executed in June 2004.

The construction of the water supply facilities that are located at the Project Prairie site, adjacent to the Wal-Mart Distribution Center, was completed in mid-February 2005. At that time, the Project Prairie facilities began to provide potable water to the Wal-Mart Distribution Center for purposes of cleaning and charging the refrigeration units. In September 2005, the Authority's 20-inch regional transmission main was certified by the Florida Department of Environmental Protection (FDEP), and during that same month construction was completed to connect the Authority's main and the County's 16-inch main located near the County's ground storage tank adjacent to the Wal-Mart Distribution Center.

In October 2005, the County executed two agreements with the Authority: a Transfer Agreement and a Master Water Supply Contract. The Transfer Agreement transferred the ownership of some of the facilities at the Project Prairie site, which included the raw water well, clear well and degasifier unit, and the metal building and provided the Authority with an easement for access to the Project Prairie site. The 0.5 million gallon (MG) ground storage tank, booster pump station building, inclusive of all the equipment (pumps, chemical feed, motor control centers, etc.) within the building, emergency generator, wastewater lift station, and associated piping system remained under the ownership of the County to operate and maintain. The Master Water Supply contract established the County as an exclusive provider customer and charged the Authority with the ultimate responsibility of planning, developing and providing the

County with water supply needs. In December 2005, the County began using the potable water from the Authority's Peace River WTP to service the Wal-Mart Distribution Center and began the process of decommissioning the Project Prairie water system assets no longer required.

1.2 THE PROJECT

As part of this project, the Authority investigated the possible acquisition of the remaining water assets of the Project Prairie Water Storage and Booster Station. The remaining assets at the Project Prairie site included the 0.5 MG ground storage tank, the emergency generator, the booster pump station building and the assets within the building, a wastewater lift station, and associated yard piping with the water and wastewater systems. The Project Prairie water and wastewater systems are situated on a site that consists of approximately 1.83 acres in size. The location of the facility is near the southeast corner of the intersection of US Highway 17 and SW Enterprise Boulevard. Presented in Figure 1-1 is an aerial view of the Project Prairie site that shows the facilities that are located on-site.



Figure 1-1: Project Prairie Utility Site

As members of the Authority understand, water is a capital-intensive enterprise. Consolidating some of the water services, such as storage/booster pumping facilities is one of many potential approaches that enables a water system to meet today's needs and tomorrow's demands. Pooling resources on a regional basis and streamlining operations and decision-making can enhance the overall efficiency of the Authority.

The benefits to the members of the Authority, by acquiring of the assets that are owned and operated by DeSoto County and located on Project Prairie site have many benefits, which include:

• Economies of scale and operating efficiencies – Maintaining a large network of assets rather than a smaller network of isolated assets can also be cost-effective. For example, the prices that individual members may pay for chemicals and services within their individual systems may often be much higher than the price paid by the Authority to provide a similar service.

- Increased access to capital at a lower cost Water is a capital-intensive enterprise, and there
 are high costs associated with investing in and maintaining the vast infrastructure that a water
 utility may operate. Costs are climbing with the need to upgrade, retrofit, and make systems
 more resilient. For example, the Authority may receive better terms and interest rates on bonds
 and commercial loans, and/or qualify for subsidized funding options for nonregional efforts.
- Improved planning, risk management and level of service Water service keeps local economies running, communities healthy, and the environment safe; that means the risks that the Authority plans for and manages can carry significant costs. With the completion of the interconnect to the City of Punta Gorda's WTP, this acquisition will permit the Authority to mitigate risk and benefit from integrated operation and planning on a regional basis. This acquisition will enable the Authority to deliver water in many directions, improving the level of service required for the local customers and lead to a more comprehensive, less piecemeal strategy than when spread across multiple systems.
- Increased opportunities for economic development Some financial savings are apparent to the members of the Authority budgets, rates, and other financial considerations. Other benefits may occur in the broader region, in addition to those direct and visible outcomes from this acquisition. For example, this acquisition may have a direct impact on the region to grow or develop their local economies by improving the delivery of potable water and water infrastructure challenges that may deter growth or lead to decline.

1.3 PROJECT PRAIRIE FACILITIES

As noted earlier, a few of the remaining facilities that are located on-site are owned, operated and maintained by DeSoto County. These facilities include the following:

- 0.5 million gallon (MG) storage tank and associated yard piping
- Booster pump station, inclusive of all equipment contained within the building
- Emergency generator
- Wastewater lift station and control panel, and associated yard piping
- Mobile generator

Most of the facilities on-site are the original equipment that was installed and began operation in 2005. However, some of the equipment was damaged during an electrical storm this past year and is currently being replaced. The damaged equipment that is currently being replaced will be discussed below under the respective subsections of the report.

The current operation of the Project Prairie Water Storage and Booster Pump Station site system is that the finished water from the Authority's 20-inch regional transmission main along US Highway 17 fills the 0.5 MG ground storage tank via a 16-inch diameter water main. Potable water from the ground storage tank is then pumped to the Wal-Mart Distribution Center for use and to boost the pressure to the County's water system to serve customers outside of Wal-Mart. The yard piping is configured to recirculate the

water in the ground storage tank to keep the water fresh. Illustrated in Figure 1-2 is the yard piping plan for the Project Prairie Water Storage and Booster Pump Station site.

There is an Agreement between the County and Wal-Mart for potable water and fire protection supply that appears to govern the operation of the Storage Tank and Booster Pump Station. Although this Agreement was not provided for review, it is understood that a minimum of 14 feet must always be maintained in the storage tank to provide the minimum fire protection requirements of the Agreement. During our site visit it was also understood that Wal-Mart is required to notify the County that a fire test will be conducted; however, from discussions with the County's operations staff, this is not always the case. Regardless, it is requirements outlined in the Agreement. Additionally, there might be opportunities for the Authority to renegotiate or provide similar services using alternative means.

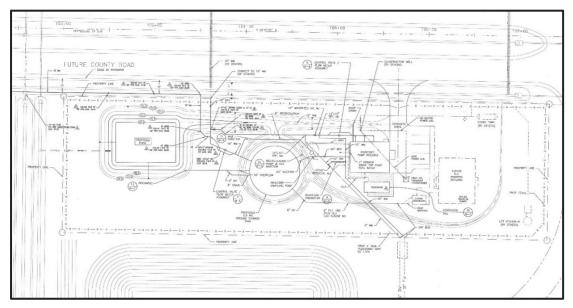


Figure 1-2: Project Prairie Water Storage and Booster Pump Station System - Yard Piping Plan (Source: TetraTech Record Drawings, July 2006)

1.3.1 0.5 MG Ground Storage Tank

The 0.5 MG ground storage prestressed concrete tank receives potable water from the Authority's 20inch regional transmission main via a 16-inch water main. There is a propeller meter connected to the facility's supervisory control and data acquisition (SCADA) system. The tank is 55-feet in diameter with a side water depth of 28-feet 2-inches and is shown in Figure 1-3.



Figure 1-3: 0.5 MG Ground Storage Tank and Recirculation Piping

The tank is equipped with a 4-foot diameter vent that is located at the center of the dome. In addition, there is an access hatch (35-inches by 44-inches) that is located at the top of the tank on the northnorthwest side of the tank. The access hatch is locked and provides proper access to the tank interior through the concrete roof. An aluminum ladder and safety cage provide access to the access hatch on the roof dome. There are two screened overflows (48-inches wide by 20-inches high) that are evenly spaced on the outside edge of the dome roof. The tank is also equipped with a manway (55-inches by 20-inches) that is located approximately 20-inches above grade along the west-southwest outside wall of the tank. The screen material that surrounds the cap at the roof dome vent and the two overflows appeared to be securely attached to prevent entry of birds, insects or debris into the interior of the tank.

The interior of the tank is not baffled, and was inspected in November 2016 by Cheyenne Diving, LLC and the exterior of the tank was inspected in May and June 2017 by Weiler Engineering Corporation (WEC). Overall the tank and its structural aspect appear to be in good condition.

Our inspection of the tank on October 29, 2019, confirmed the findings of the June 2017 inspection performed by WEC. Along the exterior of the tank there are several tight shrinkage cracks at various locations on exterior of the walls. It was noted that some cracks have been previously treated and there are no signs of leakage or structural changes in the wall. However, at some of the locations where these shrinkage cracks were observed, it appears that the coating has separated at the cracks and is no longer sealing the concrete and could impact the tank membrane.

The interior of the tank was not inspected on October 29th, but the latest inspection of the interior of the tank was performed by Cheyenne Diving, LLC in November 2016. That inspection indicated that the tank floor, walls and ceiling appear to be in good condition, with some minor surface cracking, but no evidence of coating failure. No spalls or exposed concrete was observed along the interior wall or floor of this tank. There was some sediment (1/16 to 1/4-inches deep) that covered approximately 75% of tank floor, which

did impact the determination of the floor coating. However, there was no floating debris or material in the water of the tank during the time of inspection. The interior ladder that provides access from the top of the tank, and the fiberglass reinforced plastic (FRP) anti-vortex plate did exhibit some surface staining, but no other concerns. The 10-inch diameter overflow riser pipe and wall supports for the overflow pipe did exhibit some corrosion at the areas of coating failure.

The inspection report recommended:

- Cleaning of the tank floor to reduce deterioration and/or compromise the coating material.
- Patch all minor exterior and interior surface cracks and recoat.
- Clean interior piping, fittings and supports to remove corrosion and recoat exposed areas.

The tank level is monitored via redundant pressure transmitters manufactured by Endress+Hauser. Due to the location of the transmitter's installation, facing the sun, the LCD display is foggy and not easy to read the tank level locally. The storage tank is filled via an altitude valve with a remote control (solenoid valve), the potable water entering the storage tank from the Authority's transmission main and finished water leaving the booster pump station back to the system are measured by individual stainless steel battery powered master meters Model Octave Ultrasonic battery powered (10 year warranted lifetime), respectively. The pressure transmitters and the influent master meter is shown in Figures 1-4 and 1-5 respectively.



Figure 1-4: Redundant Tank Level Transmitters



Figure 1-5: Battery Powered Octave Ultrasonic Meter (Influent)

The water within the tank is recirculated using a 10 horsepower (HP) centrifugal pump with a rated capacity of 350 gallons per minute (gpm). Water recirculated in the tank is withdrawn from the 20-inch diameter booster pump suction line. The recirculation pump is shown in Figure 1-6.



Figure 1-6: Recirculation Pump and Piping

1.3.2 Booster Pump Station Building

The Booster Pump Station Building houses the equipment that delivers the potable water from the 0.5 MG ground storage tank back into the County's potable water transmission/distribution system. This building is divided into four rooms that consist of the:

- Pump equipment room and operator room
- Electrical equipment room
- Chlorination equipment room
- Ammoniation equipment room

The Record Drawing for the Booster Pump Station Building is shown in Figure 1-7.

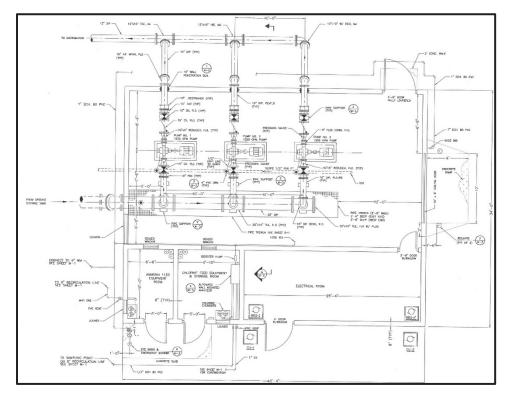


Figure 1-7: Project Prairie Water Storage and Booster Pump Station System Booster Pump Station Plan (Source: TetraTech Record Drawings, July 2006)

There are three horizontal split-case centrifugal pumps that are connected via a 10-inch main that pull suction from a common 20-inch diameter main from the ground storage tank that is installed within a trench inside of the building. Each pump discharges via a 10-inch main that is connected a common 12-inch discharge main, which increases to a 16-inch main on-site. The three high service pumps are manufactured by Flowserve and have a rated capacity of 1,250 gpm at a total dynamic head (TDH) of 175-feet. Each pump is equipped with a 75 HP motor. Two of the motors were recently replaced as a result of damage associated with a lightning strike, and a third motor was replaced approximately 2 years ago. In addition, there was a smaller booster pump that was still in a crate. This pump was also a

Flowserve pump with a capacity of 280 gpm at 182-feet TDH. The three high service pumps in the booster pump station room are shown in Figure 1-8.



Figure 1-8: High Service Pumps

In addition to the pumping equipment some of the instruments are installed on the southern interior wall of this room. These instruments include one HF Scientific Residual Chlorine Analyzer, one Yokogawa EXA PHH02 pH Analyzer, and one Yokogawa EXA SC402 Conductivity Analyzer. There was an office installed in the room that was located at the east end of the suction pipe trench that is used by the County's operations staff when they are present at the site.

The electrical room is located on the south side of the eastern portion of the building. This room houses all the electrical equipment (e.g. programmable logic controller (PLC), motor control centers (MCCs), variable frequency drives (VFDs), etc.) for the equipment installed at this site. Work was being performed at the time of inspection to repair the damage caused by the electrical strike. The existing MCC is configured with a 400 amp (A), 3 phase, 3 wire, 480 Volt main bus and appears to be in good condition. The MCC feeds the following main components:

- Three 75 HP high service pump, each running on a VFD;
- One motor operated valve;
- One 5 HP recirculation pump (constant speed);
- The on-site lift station with two 30 HP submersible pumps; and
- Other miscellaneous loads (e.g. controls, sensors, metering pumps, lighting, etc.).

The existing Allen-Bradley SLC 5/05 PLC was not operational at the time of our site inspection on October 29, 2019. The County has hired a system integrator that is installing and configuring a new IDEC MicroSmart PLC and a 15-inch IDEC Enhanced High Performance touch screen to monitor and control the pump station to repair equipment damaged by the lightning strike. The new PLC will be connected to

a Cradlepoint router for remote wireless access for station monitoring and control. The three Yaskawa model IQPump1000 VFDs were installed approximately 3 months ago, to replace equipment damaged by the lightning strike. The PLC and VFDs are shown in Figures 1-9 and 1-10 respectively.



Figure 1-9: Existing PLC Control Panel



Figure 10: Variable Frequency Drives

The liquid ammonia (ammonia hydroxide (NH₄OH)) and chlorine (sodium hypochlorite (NaOCI)) equipment rooms are located along the southern side of the building for disinfection purposes. These two chemical rooms are isolated from one another and contain primarily storage tanks with liquid NaOCI and

NH₄OH. The tanks that are located within the chemical feed rooms are manually monitored and filled as needed. In each room, two metering pumps are installed (one primary/one standby). At the time of the inspection, the liquid NH₄OH feed room was offline. The liquid NaOCI and NH₄OH rooms are shown in Figures 1-11 and 1-12, respectively.



Figure 11: Liquid NaOCI Room



Figure 12: Liquid NH₄OH Room

The equipment associated with the Booster Pump Building that was operable during the site inspection appeared to be well maintained by the County staff and in good working condition.

1.3.3 Emergency Generator

The existing emergency generator is a 400-kilowatt (KW) generator manufactured by Caterpillar with a diesel tank capacity of 2,460 gallons. The Automatic Transfer Switch (ATS) is manufactured by Asco. The emergency generator is shown in Figure 1-13.



Figure 13: Emergency Generator

After reviewing the single line and running the generator sizing calculations provided by Cummins on their web site, it appears that the 400 KW generator is significantly oversized. Generator calculations were run to check the unit sizing requirements. The first set of calculations were run with only two of the 75 HP booster pump station pumps and one of the 30 HP pumps (lift station) running, and it indicates a 200 KW generator is all that is required. The second set of generator size calculations were run with all three 75 HP booster pump station pumps and the two 30 HP submersible lift station pumps running and would still only need a 275 KW generator.

Having an oversized generator is not necessarily a problem unless it is never exercised at near full load. If the generator is only ever exercised with the facility load, it will never reach even 50-percent output. This is not damaging to the electric generator inside, but it is damaging to the diesel motor which powers the generator. With a generator this oversized, it would be recommended that the Authority either rent or purchase a load bank to exercise the generator at 100 percent of the load at least once a year.

At the time of the inspection, the emergency generator and ATS are both in good operating condition.

1.3.4 Wastewater Lift Station

The existing wastewater lift station that is located on the site is 8-feet in diameter with two 30 HP submersible pumps and a valve vault. This lift station receives raw wastewater from the distribution

center and pumps it to the County's wastewater treatment plant via an 8-inch diameter force main. This lift station is also connected to the emergency generator, should a power outage occur. The wastewater lift station, valve vault and control panel were not inspected as part of this site inspection.

While the lift station is located on the Project Prairie site, it is recommended that since the Authority does not have any assets, other than small lift stations associated with their facilities, the wastewater lift station that is located on the Project Prairie site should remain in the ownership of the County. The submersible wastewater lift station is shown in Figure 1-14.



Figure 14: Wastewater Lift Station

1.3.5 Mobile Generator

DeSoto County provided an Asset Depreciation List that identified the remaining assets that are owned and operated by the County that listed a mobile generator. Since, a mobile generator is usually configured for the existing utility's needs that may not be compatible for the Authority's needs, the mobile generator was not inspected as part of this work. In addition, there is more than enough back-up power available using the stationary emergency generator. As a result, like the wastewater lift station, it is recommended that the mobile generator remain the property of the County.

1.3.6 Facility Documentation

A review of the Record Drawings provided by the County indicated that they do not accurately document the facilities installed at the Project Prairie Potable Water Storage and Booster Pump Station site. For example, both chemical rooms show gas systems installed, while liquid storage and metering pumps were installed. The same can be said regarding the electrical Record Drawings were incomplete (i.e. missing drawings) and improper power requirements (i.e. booster Pump HP, emergency generator KW, etc.) were noted. It is assumed that the buried infrastructure was accurately depicted on the Record Drawings; however, it is recommended that some potholing be performed to document portions of the underground piping installed.

The Operation and Maintenance (O&M) manuals for the equipment installed at the facility were not available during the site inspection. While it is understood that the County will remain the operator of the facilities, it is assumed that the Authority will be responsible for the maintenance of the equipment installed.

It is recommended that the Record Drawings be updated to accurately depict the facilities installed. This work can be performed by either Authority or County staff using photographs and redlining a set of drawings to accurately depict the facilities installed. Copies of the O&M manuals should be provided to the Authority to insert the missing equipment, and to document the assets installed and incorporate the maintenance requirements of the equipment in their asset management system.

1.3.7 Land

The Project Prairie Potable Water Storage and Booster Pump Station site consist of approximately 1.83 acres. The County currently owns the land and the Authority retains an easement over the site. Whether the County retains ownership of the land or the Authority takes the land, easements would need to be provided to separate the potable water and wastewater facilities.

Since the potable water facilities take up most of the land, it is recommended that the land be conveyed to the Authority at no cost. An easement should be provided to the County to operate and maintain the wastewater lift station and make repairs to the wastewater forcemain if be necessary. This would provide the Authority with a clean slate to make improvements to any aboveground and/or buried infrastructure associated with the potable water system.

With regards to the legal breakpoint of asset ownership between the Authority and the County, a few options exist that are noted below:

- Option 1: The Authority assumes ownership at the inlet side of the flowmeter that feeds the storage tank off the Authority's 20-inch diameter to the flowmeter and the discharge side of the meter for the potable water that leaves the Project Prairie site. However, this option would require the Authority to grant the County proper easements to access and maintain the buried infrastructure before and after the meter.
- Option 2: The Authority assumes ownership of all yard piping associated with the water system within the property boundary of the Project Prairie site. The County would be responsible for all piping outside the property boundary.
- Option 3: The Authority assumes ownership of all piping off the Authority's 20-inch diameter transmission main that feeds the 0.5 MG ground storage tank, and all discharge piping within the property boundaries.

Of the three options above, Option 2 provides the best break for separation of ownership of the assets associated with the Project Prairie facilities.

1.4 RECOMMENDED SYSTEM IMPROVEMENTS

As noted earlier, the remaining County assets associated with the water system that were inspected on October 29, 2019 have been well maintained and in good operating condition. However, there several items associated with these facilities that the Authority should consider implementing that would improve the asset life and operation of the facilities, and to bring the facility up to the Authority's standards and standardization of materials/equipment. These items will be addressed under the specific areas of the primary assets. All work necessary to make the recommended improvements at the Project Prairie Water Storage and Booster Pump Station facilities, and for the purpose of this cost analysis it is assumed that all work, with the exception of the coating and patching of the 0.5 MG ground storage tank, will be performed using the Authority's staff.

1.4.1 0.5 MG Ground Storage Tank

The June 2017 WEC Report identified several recommendations:

- Cleaning of the tank floor to reduce deterioration and/or compromise the coating material.
- Patch all minor exterior and interior surface cracks and recoat.
- Clean interior piping, fittings and supports to remove corrosion and recoat exposed areas.

This work on the exterior of the tank should be scheduled based on the Authority's capital programming schedule. The work associated with the interior of the tank should only be performed once a reliable supply to the customers for potable water supply and fire flow protection can be provided. The probable opinion of capital cost for the coating and patching of the 0.5 MG ground storage tank was determined to be approximately \$53,000.

The two pressure transducers face the sun, and as a result, the LCD display is foggy and not easy to read the tank level locally and should be replaced and relocated to a more suitable location. The probable opinion of capital cost for relocating and replacing the two pressure transducers in a solar protective container was determined to be approximately \$6,500.

The two flowmeters that were recently installed are not standard equipment that the Authority currently uses. It is recommended to replace these two flowmeters with the standard equipment. Two new magnetic flowmeters will be installed at the same location. The probable opinion of capital cost for the two new magnetic flowmeters was determined to be approximately \$21,500.

1.4.2 Booster Pump Station

Most of the damage from the electrical storm has been or is currently being repaired. The remaining work that has not been completed includes the replacement of the PLC and touchscreen. However, as noted above the PLC is not standard equipment used by the Authority and should be replaced. The cost to replace the PLC and program the system is approximately \$15,000.

It is also recommended that communication to the Authority's Peace River WTP? be provided. This would enable the Authority to monitor the operation of the Project Prairie Water Storage and Booster Pump Station facility. The probable opinion of capital cost for providing and installing an antenna, wiring and testing determined to be approximately \$4,400.

The chemical storage and metering equipment for the NaOCI and NH4OH do not depict what is shown on the Record Drawings for the Project Prairie Water Storage and Booster Pump Station. It is recommended that a permanent off-loading/fill station, metering pumps and chemical piping and appurtenances be installed. The probable opinion of capital cost for providing and installing new chemical storage and pumping equipment was determined to be approximately \$27,500.

1.4.3 Emergency Generator

As noted, an oversized generator is not necessarily a problem unless it is never exercised at near full load. If the generator is only ever exercised with the facility load, it will never reach even 50-percent output. This is not damaging to the electric generator inside, but it is damaging to the diesel motor which powers the generator. With a generator this oversized, it would be recommended that the Authority purchase a mobile load bank to exercise the generator at 100 percent of the load at least once a year. The probable opinion of capital cost for the mobile load bank approximately \$30,000.

1.4.4 Summary

A summary of the recommended improvements totaling \$157,900 is presented in Table 1-1. These projects, while important can be incorporated into the Authority's capital program, as necessary.

Description	Total Amount
Coating and patching of the 0.5 MG ground storage tank	\$53,000.00
Relocation and replacement of the pressure transducers	\$6,500.00
New flowmeters (tank inlet and booster station discharge)	\$21,500.00
PLC and reprogramming	\$15,000.00
SCADA upgrades for remote monitoring at the Peace River WTP	\$4,400.00
Chemical delivery, storage and feed upgrades	\$27,500.00
Mobile load bank	\$30,000.00
TOTAL	\$157,900.00

Table 1-1: Project Prairie Water Storage and Booster Pump Station Recommended Improvements¹

Notes:

1. Project capital costs include installation, a 20% contingency for unknown conditions and options, bonds and insurance and a 0 to 15% estimate for engineering and construction services depending upon the work necessary.

1.5 OPERATION COSTS

The County provided the last 12-months of operational data for the period that began in January 2018 and ended in December 2019 for the chemical and power costs associated with the Project Prairie Water Storage and Booster Pump Station. The annual cost for chemicals and power were \$8,387.25 and \$32,444.11, respectively. This is like the chemical and power costs at the Authority's Booster Pump Station A.

The cost for chemicals during this period ranged from \$187.50 to \$1,806.25 per month and averaged nearly \$700.00 per month. The County does a chlorine free burn twice per year to help cleanse the water transmission/distribution system, reduce the possible occurrence of nitrification and biofilm in the system, and improve the overall water quality. The Authority should anticipate that this system maintenance will continue. The higher monthly chemical costs represent the two times that the County performed a free burn. The monthly power costs at the Project Prairie Water Storage and Booster Pump Station ranged from \$2,382.70 to \$3,316.39 and averaged approximately \$2,703.68 per month. Presented in Table 1-2 are the monthly chemical and power costs for this facility.

Month/Year	Chemical Costs	Power Costs
January 2019	\$816.25	\$2,475.90
February 2019	\$842.50	\$2,598.64
March 2019	\$243.75	\$2,771.97
April 2019	\$1,806.25	\$2,888.33
May 2019	\$331.25	\$2,382.70
June 2019	\$575.00	\$2,382.70
July 2019	\$751.50	\$3,316.39
August 2019	\$618.25	\$2,467.88
September 2019	\$187.50	\$2,593.45
October 2019	\$318.75	\$3.086.05
November 2019	\$1,437.50	\$2,849.18
December 2019	\$468.75	\$2,630.92
TOTAL	\$8,387.25	\$32,444.11
MONTHLY AVERAGE	\$699.77	\$2,703.68

Table 1-2: Project Prairie Water Storage and Booster Pump Station Chemical and Power Costs¹

Notes:

1. Data provided from DeSoto County beginning on January 2, 2019 and ending on December 10, 2019.

2. VALUATION

The County has owned and operated the facilities associated with the Project Prairie Potable Water Storage and Booster Pump Station since it was put into operation in September 2005. Most of the equipment installed, other than pump motors, VFDs, and instrumentation and control equipment are from approximately 2005. One pump motor was replaced in 2016, and the other two were replaced in the summer of 2019, as a result of the lightning strike. This same lightning strike damaged the two flowmeters, PLC, and VFDs.

The flowmeters and VFDs have been replaced and are operational. The County has hired a system integrator, who is installing and configuring a new IDEC MicroSmart PLC and an IDEC Enhanced High Performance touch screen to monitor and control the pump station. This work is currently underway, and it has not been completed or certified by the County staff. The County had indicated that the total cost for the work that is currently underway and/or has been completed as a result of the lightning strike was approximately \$40,000.

Most water utilities maintain their accounts and records in accordance with the National Association of Regulatory Utility Commissioners (NARUC) 1996 Uniform System of Accounts. The total cost paid by the County for the remaining assets for the Project Prairie Water Storage and Booster Pump Station, excluding the land was slightly greater than \$1,057,000 (which include \$42,000 for a mobile generator). The County provided information relative to the total costs incurred for the remaining assets, which along with the depreciated values for Fiscal Year 2017, are presented in Table 2-1.

Item	Original Cost	Anticipated Service Life	Annual Depreciation	Ending Accumulated Depreciation	Ending Depreciated Value
Booster Pump Building	\$618,508.20	15	\$41,233.88	\$494,806.56	\$123,701.64
Emergency Generator	\$148,301.00	15	\$9,886.73	\$118,640.80	\$29,660.20
Storage Tank	\$231,128.00	15	\$15,408.53	\$184,920.40	\$46,225.60
Fence	\$17,178.00	20	\$858.90	\$10,306.80	\$6,871.20
TOTAL	\$1,015,115.20			\$808,656.56	\$206,458.64

Table 2-1:	Depreciation of Project Prairie Water Storage and Booster
	Pump Station Remaining Assets (FY 2017) ¹

Notes:

1. DeSoto County BOCC Water Utility Infrastructure Depreciation (September 30, 2017).

If this is extended to this fiscal year, all the facilities will be fully depreciated at the end of FY 2020, except for the fence that surrounds the property. This is most likely because of the method used by the County to depreciate their assets.

Three items stand out regarding the County's method of depreciating the facilities at the Project Prairie Water Storage and Booster Pump Station site. The first is the anticipated service life of the assets. The second is that many of the assets are grouped under specific categories (i.e., Booster Pump Station.

Storage Tank, etc.). The third item is that the work being performed now due to the electrical storm is not accounted for.

The average service life is the period of service that can be reasonably expected of the equipment in service. All the anticipated service lives are well below what is provided in Paragraph 2(a) Water System Guideline Average Service Lives of the 1996 NARUC Uniform System of Accounts. For example, the Booster Pump Station has a building (40 years), pumping equipment (20 years), and ductile iron piping (40 years), and so forth; however, a grouped value of 15 years is provided. If the minimum remaining service life of 20 years for the equipment within the building is used, the facility would have 2 years left to be depreciated. The more glaring issue is the storage tank, the County indicated an anticipated service life of 15 years. However, NARUC provides for 40 years of useful life. Therefore, if the NARUC values are used, most of the assets have a service life remaining.

While the grouping of assets under once category is an acceptable approach to determining asset value, it does not keep track of the accumulated provision for depreciation applicable to the individual assets that make up the system. This approach recognizes that some assts within the group may live longer or shorter than the average service life of the group; however, the group is expected to live the average service life noted. With this approach every item in the group is assumed to be fully depreciated at retirement.

Finally, the work that is currently underway should be accounted for, as it is currently not shown on the information provided by the County. This could be because the information provided by the County was for FY 2017, and work is being performed during FY 2019 and FY 2020. The cost provided by the County for this work of \$40,000 should be added back into the value of the system. No costs were provided for the flowmeters and/or the VFDs that were replaced. For the purpose of this analysis a value of \$120,000 was assigned for this work. However, it is recommended that this value be trued up with the actual value of the work performed based on actual work orders or receipts for the work.

The remaining County owned facilities associated with the Project Prairie Water Storage and Booster Pump Station, excluding the mobile generator were well maintained and operated by DeSoto County. In addition, the land that the facility is situated on should be conveyed to the Authority at no cost, and the Authority will provide the necessary easements to access the wastewater lift station and forcemain for maintenance purposes. The remaining facilities were adjusted from October 2005 to November 2019 values using the Engineering News Record Construction Cost Index (ENR CCI). Based on the October 29, 2019 site inspection of the Project Prairie Water Storage and Booster Pump Station facilities, and deducting the work that should be incorporated into the system a value of the facilities associated with the Project Prairie Water Storage and Booster Pump Station facilities. Project Prairie Water Storage and Booster Pump Station facilities.

Table 2-2

Valuation of the Remaining Assets at the Project Prairie Water Storage and Booster Pump Station Site (2019)

Description	Allocated Percentage ¹	Adjusted Original Cost (2019) ²	Adjusted Average Service Life (Years) ³	Average Straight Line Depreciation	2019 Cost
Booster Pump Building	40%	\$374,176.53	40	\$9,354.41	\$243,214.74
Pumps	25%	\$233,860.33	20	\$11,693.02	\$70,158.10
Piping/valves	10%	\$3,544.13	40	\$2,338.60	\$60,803.69
Electrical	15%	\$140,316.20	20	\$7,015.81	\$42,094.86
Chemical Rooms	10%	\$93,544.13	20	\$4,677.71	\$28,063.24
New Work (PLC/motors)	100%	\$40,000.00	20	\$2,000.00	\$40,000.00
Emergency Generator	100%	\$224,292.71	20	\$11,214.64	\$67,287.81
Storage Tank	100%	\$349,561.54	40	\$8,739.04	\$227,215.00
Fence	100%	\$25,980.27	20	\$1,299.01	\$7,794.08
SUBTOTAL \$1,575,275.85					
Adjusted cost for VFDs and flowmeters					\$120,000.00
Recommended System Improvements				- \$157,900.00	
TOTAL				\$748,731.53	

Notes:

- 2. ENR CCI multiplier: 1.512415391
- 3. 1996 NARUC Uniform System of Accounts average service life for specific components

^{1.} Allocated percentage of total Booster Pump Station cost allocated to components of assets installed within the building

3. RECOMMENDATIONS

3.1 INTRODUCTION

With the completion of the interconnect to the City of Punta Gorda's WTP, acquisition of the Project Prairie Storage and Booster Pump Station will permit the Authority to mitigate risk and benefit from integrated operation and planning on a regional basis.

The general primary facilities that are currently owned, operated and maintained by the County at the Project Prairie Water Storage and Booster Pump Station site include the following:

- 0.5 million gallon (MG) storage tank, level controls and recirculation pumps
- Booster pump station, inclusive of all booster pumps, operator room, electrical room (MCCs, PLC, VFDs, ATS, etc.), and liquid NaOCI and NH4OH rooms (chemical storage tanks and metering pumps, piping and appurtenances)
- Emergency generator
- Wastewater lift station
- Yard piping, flow metering (tank feed and finished water leaving site) and chemical (NaOCI and NH4OH) injection

Most of the facilities on-site are the original equipment that was installed and began operation in October 2005. Some of the equipment was damaged during an electrical storm earlier this year and is currently being replaced. As of the date of this document, the remaining items that still require replacement are the PLC and touchscreen. Once complete, start-up, training and final testing of the equipment that were replaced should be completed.

The current operation of the Project Prairie Water Storage and Booster Pump Station site system is that the finished water from the Authority's 20-inch regional transmission main along US Highway 17 fills the 0.5 MG ground storage tank via 16-inch diameter water main. Potable water from the ground storage tank is then pumped to the Wal-Mart Distribution Center for use and to boost the pressure to customers along the Authority's water transmission main and within the region. The system can also repump potable water back into the system to serve customers outside of Wal-Mart via a 16-inch water main connected to the Authority's 20-inch diameter transmission main. The yard piping is configured to recirculate the water in the ground storage tank to keep the water fresh. Additionally, liquid NaOCI and NH4OH can be added to maintain finished water quality leaving the site.

3.2 RECOMMENDATIONS

The equipment and structures that are located on the Project Prairie Booster Pump Station site were inspected on October 29, 2019 and were considered to have been well maintained by the County and in good operating condition.

Summarized below are the findings from the October site inspection:

- 0.5 million gallon ground storage tank:
 - Patch and recoat the storage tank: \$53,000.
 - Relocate and replace the two tank Endress+Hauser pressure transducers and provide protection from sunlight: \$6,500.
 - Replace existing tank inlet and booster pump station discharge flowmeters: \$21,500.
- Booster Pump Station Building:
 - Obtain an electronic and hardcopy of the IDEC PLC being installed at the Pump Station with documentation and all PLC addresses. Replace and reprogram the PLC: \$15,000.
 - SCADA upgrades for remote monitoring at the Peace River WTP: \$4,400.
 - Replace chemical metering pumps, piping/valves and upgrade chemical loading system: \$27,500.
 - Record Drawings and O&M Manuals for other equipment installed that was damaged in the electrical storm.
 - Start-up/Testing and training for the County and Authority staff.
- Emergency Generator:
 - Purchase a mobile load bank to test emergency generator under full load: \$30,000.
- Wastewater Lift Station:
 - Remain in the ownership of DeSoto County.
- Land:
 - Authority should deed the land as part of this acquisition at no cost, and the Authority shall provide the necessary easement to the County for the access and maintenance of the wastewater lift stations and force main.
- Miscellaneous:
 - Update the Record Drawings for the equipment installed.
 - Provide the complete sets of O&M Manuals.

The total cost for the County to upgrade the facilities at the Project Prairie Water Storage and Booster Pump Station site is anticipated to be approximately \$157,900.

The total purchase price for the Authority to assume ownership of the remaining facilities, excluding the mobile generator and including the land is \$748,731.53.

Disclaimer

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In preparing this report, Stantec utilized information and data obtained from the Authority, DeSoto County, or public and/or industry sources. Stantec has relied on the information and data without independent verification, except only to the extent such verification is expressly described in this document. Any projections of future conditions presented in the document are not intended as predictions, as there may be differences between forecasted and actual results, and those differences may be material.

Additionally, the purpose of this document is to summarize Stantec's analysis and findings related to this project, and it is not intended to address all aspects that may surround the subject area. Therefore, this document may have limitations, assumptions, or reliance on data that are not readily apparent on the face of it. Moreover, the reader should understand that Stantec was called on to provide judgments on a variety of critical factors which are incapable of precise measurement. As such, the use of this document and its findings by the Authority should only occur after consultation with Stantec, and any use of this document and findings by any other person is done so entirely at their own risk.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

REGULAR AGENDA ITEM 4

5-Year Capital Improvements Plan & 20-Year Capital Needs Assessment

Presenter -

Kevin Morris, Manager of Engineering & Projects

Recommended Action -

Motion to adopt the 5 Year Capital Improvements Plan (CIP) and 20 Year Capital Needs Assessment (CNA) for the Period 2021 – 2040.

The 5-Year Capital Improvement Plan (CIP) and 20-Year Capital Needs Assessment (CNA) define a roadmap which captures the vision of the Board for how the organization will grow to serve current and emerging customer needs and adapt to changes in the region. The CIP and CNA are both flexible planning documents which are revised annually to reflect priorities created by new information, opportunities and growth/development pressures. These documents also help the Authority communicate capital funding needs to vitally important stakeholders like the Southwest Florida Water Management District to support cooperative funding of regional project which help to offset Authority Customer costs.

The Authority formulates its budget on an annual basis and while the 5-Year CIP is an important part of that process, it only substantively affects each subsequent year's budget. It does, however, reflect the Board's commitment to continuing projects as well as those capital projects which fall in the near-term planning horizon. The 20-Year CNA includes the 5-Year CIP but looks beyond the near term where planning becomes less certain.

A total of 18 projects are identified in this CIP/CNA update, although two projects are continuing and are scheduled to be completed in the first year. The projects range in value from \$1 million to \$242 million. Capital planning has also identified \$293 million in potential offsetting cooperative grant funding for these collective projects based upon past participation by the Southwest Florida Water Management District.

Budget Action: No action needed.

Attachments:

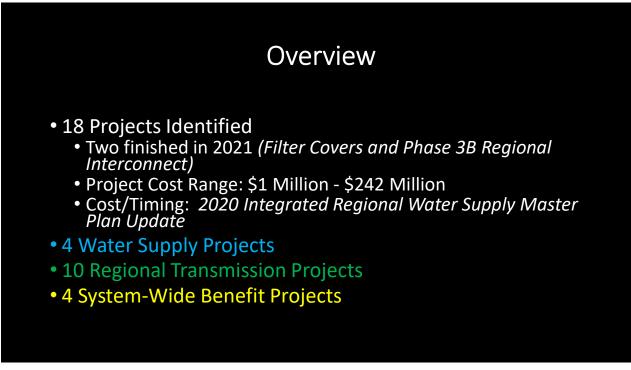
Tab A Presentation Materials

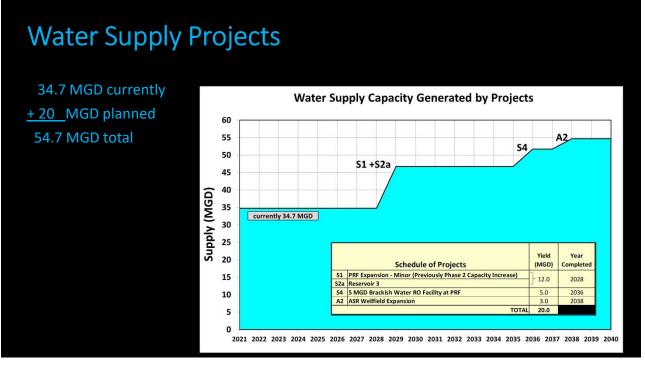
Tab B Draft '5-Year Capital Improvements Plan & 20-Year Capital Needs Assessment Fiscal Period 2021-2040'

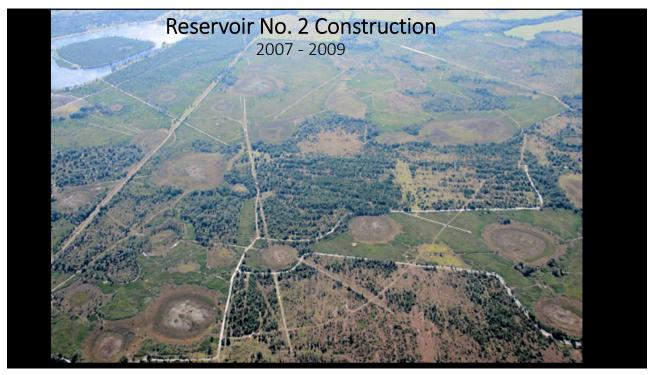
TAB A Presentation Materials for Draft FY 21 5-Year CIP and 20-Year CNA







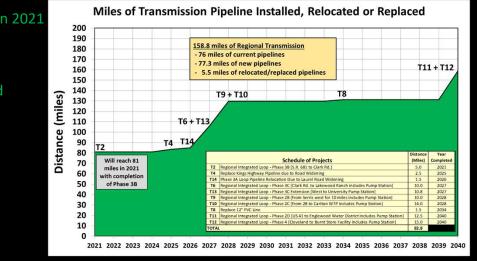






Regional Transmission Projects

- 76 miles Currently + 5 miles Phase 3B in 2021 81 miles
- <u>+ 72.3</u> miles planned 153.3 miles total





7

Phase 3B - 36" Ductile Iron Pipe Onsite



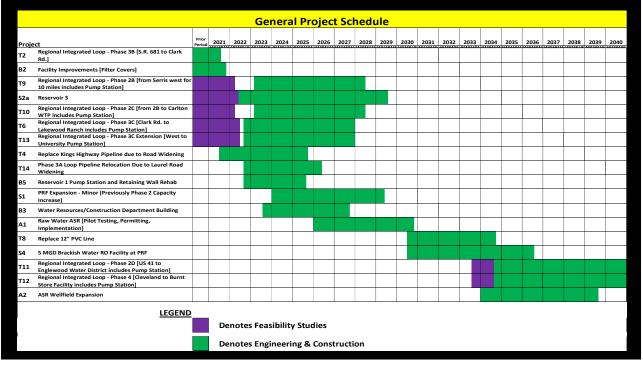


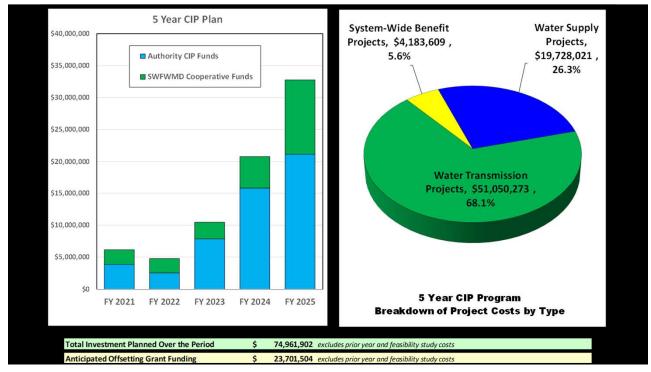
Phase 3B - Installing 48" Pipe



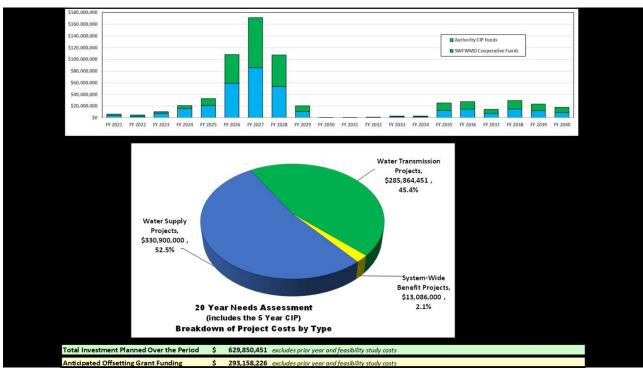
System-Wide Benefit Projects

- Treatment enhancements (filter covers)
- Pump station refurbishment (reservoir pump station & retaining _ wall)
- Replacement building (water resources/construction groups)
- Raw Water ASR (saves \$1 Million/year in operational expense)









Summary

- 5-Year Period (2021-2025)
 - 5–Year CIP Total = \$75 Million
 - Forecast cooperative grant funding offset = \$23.7 Million
- 20-Year Period (2021-2040)
 - 20-Year CNA Total = \$630 Million
 - Forecast cooperative grant funding offset = \$ 293 Million

Staff Recommendation

Adopt the 5-Year Capital Improvements Plan (CIP) and 20-Year Capital Needs Assessment (CNA) for the period 2021-2040 for inclusion as supplemental information with the upcoming FY 2021 budget

TAB BDraft FY 21 5-Year CIP and 20-Year CNA



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End Sheet







Ongoing Projects 2020



The Maintenance Warehouse and Office at the Peace River Facility



Regional Interconnect Phase 1 Pipeline in DeSoto and Charlotte Counties included a 3,500 foot long directional drill (under Shell Creek) downstream of the dam.



Regional Interconnect Phase 3B Pipeline in Sarasota County

The Filter Covers at the Peace River Facility







Background



The Peace River Manasota Regional Water Supply Authority's 5 Year Capital Improvement Plan (CIP) and 20-Year Capital Needs Assessment (CNA) reflect comprehensive plans of proposed capital projects to meet the region's water supply needs. These plans are primarily a planning vehicle which is adjusted annually subject to the shifting needs and priorities of the region and also as projects grow closer to implementation and so become more refined in both scope and cost. The CIP and CNA documents reflect the collective input of many stakeholders and is useful to those parties in understanding and communicating both funding obligations as well as grant funding opportunities associated with future projects. The CIP and CNA are developed with oversight of the Water Supply Authority's Board of Directors and are consistent with Board Policy, our Mission, our Vision Statement and the Strategic Plan.

Although there is no policy establishing a minimum value for a project to be considered a CIP/CNA project, they typically reflect projects expected to cost more than \$1 million. The Authority is continually in the process of updating and expanding its Water Supply Facilities to serve increasing demand, capacity requirements, and new regulatory requirements and improve and upgrade existing infrastructure, which will provide service to the members increasing demand.

Capital Improvement Projects are categorized into three primary categories: (1) New Water Supply Projects, (2) Regional Transmission System Projects, or (3) Systemwide Benefit Projects:

1) New Water Supply Projects

Includes projects that provide expansion of the Authority's Water Supply Facilities and appurtenant or associated installations owned, leased or otherwise controlled by the Authority and used for the provision of potable water supply. This category also includes any water transmission projects needed for water supply. These projects are funded in accordance with the Master Water Supply Contract (MWSC).

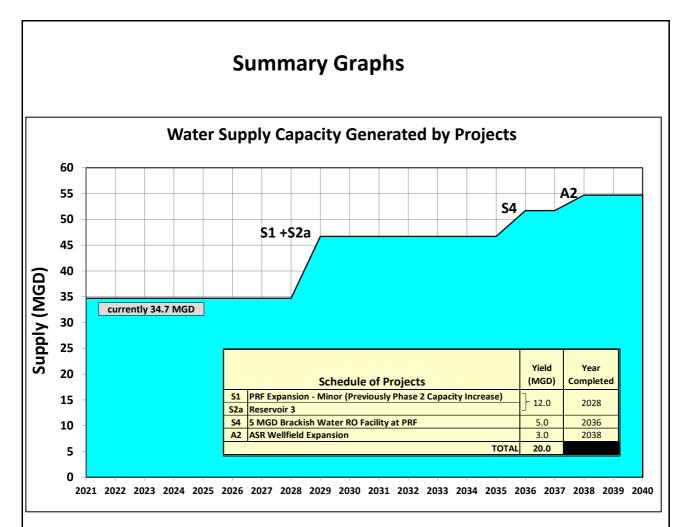
2) Regional Transmission System Projects

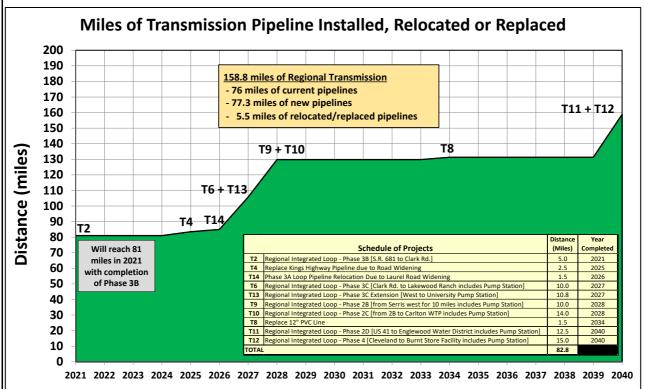
Includes transmission pipelines and, where needed, remote storage and booster pumping facilities to improve or extend delivery of water within the regional system. These projects generally interconnect members/customers based on need and bolster plant-to-plant connections to facilitate rotational supply capability for droughts and other emergencies. Also includes projects whereby elements of the regional transmission system must be relocated such as may be required for roadway widening projects or replaced due to age or condition.

3) System-Wide Benefit Projects

A "System-Wide Benefit CIP Project" is defined as any capital project of shared benefit to Authority Members and Customers. System-Wide Benefit CIP Projects exclude Renewal and Replacement and New Water Supply Projects and funding will be established on project-specific basis as approved by the Board. System-Wide Benefit Projects will generally exceed \$500,000 but fall below \$5,000,000 in anticipated cost for implementation and may include the following general types of projects:

- New buildings, or expansion of an existing building, at Authority water supply facilities;
- Projects which improve the performance, enhance treatment capability or improve water quality in the Authority's water supply system;
- Projects which bolster resiliency and reliability of the Authority's water supply system;
- Projects which promote sustaintability, safety and system security of the regional water system.
- Projects involving major facility control/communications system upgrades; and
- Any other project so designated by the Authority Board of Directors.





Our Mission

To provide the region with a sufficient, high quality, safe drinking water supply that is reliable, sustainable and protective of our natural resources now and into the future.

Our Vision

Through cooperation and collaboration, the Peace River Manasota Regional Water Supply Authority and its members shall create, maintain and expand a sustainable, interconnected regional water







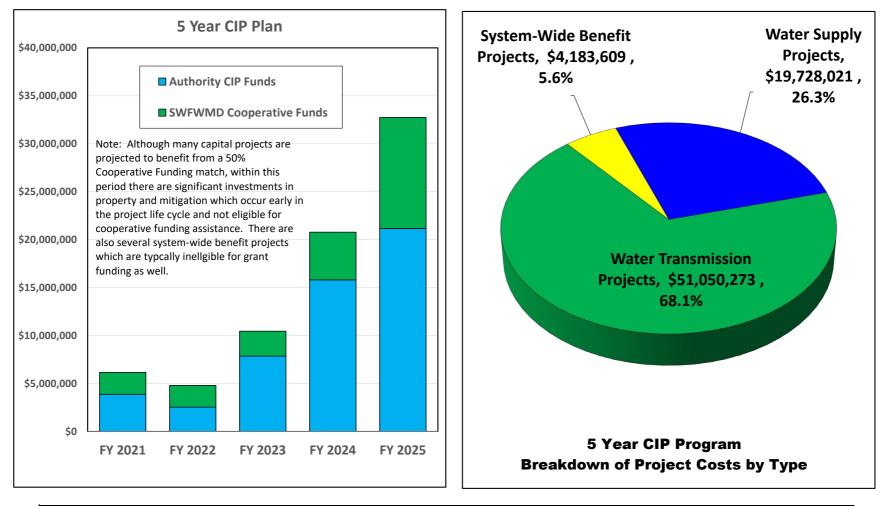


5-Year Capital Improvements Plan Fiscal Period: 2021 - 2025





5 Year Capital Improvements Program Summary by Year and Type of Project



Total Investment Planned Over the Period	\$ 74,961,902 excludes prior year and feasibility study costs
Anticipated Offsetting Grant Funding	\$ 23,701,504 excludes prior year and feasibility study costs



Mitigation Construction

Capital Improvement Plan/Capital Needs Assessment

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Feasibility Study Preliminary Engineering	-																				<u> </u>	+
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Project Description Sheet

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Finished Water Storage	and Pum	ping		E	SCADA,	ADAS or G	eneral IT S	Systems				Collect	ive Capital	Cost of A	ssociated	Projects			NA			
Finished Water Pipeline	es			Г	Roads ar	nd Sitewo	rk				Pa	rticipant C	Cost (inclus	ive of exp	ected gran	t funds)			NA	i		
Plant Power, Switchgea	r, Fuel &	Generator	Sets	Ē	Solid Res	iduals Ma	anagemen	t					Effec	tive Net U	Jnit Capita	l Cost	-	cost	per gallor	of yield g	enerated	
Project Classification:	Transmis	ssion		Water Su	pply	Sy	stem-Wic	le Benefit	:		Other (if	Other, de	scribe)									
Estimated P	roject Co	ost									-	<u>Locatio</u>	n Map or	Concep	t Sketch							
Feasibility Study		ç	\$	-	1		1						- Coloris		- 10							
Engineering Services			\$ 86	54,000								-				Future	Conce	nt.				
Construction Cost				6,000	and the second			H H			- Start - Start	Leve	The		To Carl	rucure	Concer	'n				
Land Acquisition (mitigation, property	or opcom		,	.0,000	1113	A 280		3K			a sol	Our Jack	State of the state		ZA.		IIII	Her -		-	- 191-	
Total Capital Cost (includes Feasibility		, ,				-61		and in					11					hesel				
			\$ 4,80	0,000				Real			1	271	16.7	10 0		Terrer		NESES 2	(1) Barden Baritz			
Projected Source	es of Fu	nding			7						100	-	- 17		<u> </u>		1					
Projected Authority (Cooperator) Fund	ling or TB	D	\$ 4,80	0,000	and the second	~					and the		11-	1.1	4							
Projected SWFWMD Grant Funding			ŝ						2 and		N. A.				-24-		PLANT 1 FRITER FACILITY	AND AMMONIA CONTACT	CHAMBER -LOOKING SOL	THEAST		
Projected State and Other Grant Fundi	ng		<u>}</u>	-		A state		S.	100 -	The												
	116			-	1				1 6						h 😤			1				
Total Note: Feasibility Studies are typically funded cooperative funding match and funds are col same period. Land Acquisition, Engineering S typically financed through debt issuance.	lected and	lanning asse expended ge	ssments wi enerally wit	thin the		-43		Work of	on the Plant	1 superstru	cture Spring	; 2020.			•			J				
Schedule	Prior																					Future
(year starts on fiscal year calendar Oct 1 st)	Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Period
Feasibility Study									10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Preliminary Engineering	2.																					+
Property and Easement Acquisition Final Design & Permitting										-			-									+
Mitigation											-		-									-
Construction				-						-	-											+



Project Description Sheet

Project Description	on Sh	eet												1	Referenc	e and De	escription	n of Need	ł			
Project Name or Title: Shorthe	and Ider	tifier:	Region T9				<u>e 2B [froi</u> imp Stati		west for	<u>10</u>	current t A booste the selec	erminus o er pumping cted projec	of the Phas g station is ct team. Th	e 2A regio included nis segmer	nal loop p with the p nt of the re	ipeline we roject; the egional int	estward to e location egrated lo	o near Nor of the boo oop system	th Port's N oster pump n will boos	neter runn Ayakkahato o station is ot regional	cheee Cre to be dee resiliency	eek WTP. cided by /, bi-
Project Location, Site or Route:				n of the F Myakkał	-		tem fror	n Serris I	Blvd. we	st to	projects.		ect will als			-			-	oop with f tte County		
μ				<mark>o Major</mark> if applica									Doest	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yiel	4?		
Raw Water Pumping, St Water Treatment Finished Water Storage Finished Water Pipeline Plant Power, Switchgea	and Pum	ping			SCADA, A	Buildings, ADAS or G nd Sitewor	. Structure ieneral IT : rk anagemen	Systems	ity		Yes No Pa	Collect	y Requisite tive Capita Cost <i>(inclu</i> : Effe	e Compani I Cost of A sive of exp	ssociated	ts? Projects nt funds)	-		none NA NA	D basis	enerated	
Project Classification:	Transmis	sion		Water Su	oply	Sy	/stem-Wio	de Benefit	t		Other (if	Other, de	scribe)									
Estimated Pr	oject Co	<u>st</u>										<u>Locatio</u>	n Map o	r Concep	t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property, Total Capital Cost (includes Feasibility Projected Source Projected Authority (Cooperator) Fund Projected SWFWMD Grant Funding Projected State and Other Grant Funding Note: Feasibility Studies are typically funded cooperative funding match and funds are coll same period. Land Acquisition, Engineering S typically financed through debt issuance.	Study) es of Fu ing or TB ng through pl ected and	ents) s nding D s anning asses expended g	\$ 7,90 \$ 47,92 \$ 1,85 \$ 57,87 \$ 29,96 \$ 27,91 \$ 27,91 \$ 57,87 \$ 57,	2,000 77,000 34,500 2,500 - 77,000 th a thin the		Provide Contraction of Contraction	Phase IIB,	North Per	Charlotte		Biol Production of Production	in dra age this US US This ready re	e route for th been evalua clude how t inage canals b by commu a rea (see p It will also b inimize impa st transport 4.1 and Hills s project cor finished w epumping a ustment cap any alterna pound or elev illities (insid as those sho	ted, challen o cross the is installed dinity develop hoto to the en encessary ct on major ation featur iborough Av coeptually in rater storage nd water qu abilities, thi tives for sto ated) and pu e or outside	ges many ecades pers in right). / to r east- es like venue. coludes e, hality ere are umping c) such							
Schedule (year starts on fiscal year calendar Oct 1 st)	Prior Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study Preliminary Engineering Property and Easement Acquisition Final Design & Permitting																						
Mitigation Construction							1.10 P.10 P.10 P.10		a est													



Project Description Sheet

<pre>Floject Descripti</pre>	011 511	eet												ļ	Referenc	e and De	escription	n of Nee	<u>d</u>			
Project Name or Title: Shorthe Project Location, Site or Route:	and Ider	<u> </u>	S2a On the R	V Griffin		<u>Reservo</u>	i <u>r 3</u>				permitte expansic shape, d storage	ed 258 MG on of 12 M epth, foot reservoirs	iD of river IGD will pr print and l	diversion oduce an a ocation of cation for	oumping a additional the new r	and raw wa annual av reservoir a	ater conve erage day and the ma	eyance cap safe yield anner in w	bacity and I of 12 MG which it will	mbined wi a treatmer D out of th I connect t ill be consi	nt plant ca is system o the exis	. The ting
ш				o Major if applica									Doest	he Proje	ct Gener	ate Addi	itional W	ater Sup	oply/Yield	4?		
X Raw Water Pumping, St Water Treatment Finished Water Storage Finished Water Pipeline X Plant Power, Switchgeau	and Pum s	ping			SCADA, A	ems Buildings, ADAS or G nd Sitewor siduals Ma	eneral IT S k	Systems	ity		v Yes]No ₽a	Collec	y Requisito tive Capita Cost <i>(inclu</i> : Effe	e Compani I Cost of A	ssociated ected grar	ts? Projects nt funds)	\$ \$	257	D on AAD <i>S1</i> 7,000,000 5,562,500 t per gallor	D basis	enerated	
Project Classification:	Transmis	sion		Water Su	pply	Sy	stem-Wid	le Benefit	:		Other (if	Other, de	scribe)									
Estimated Pr	oject Co	<u>ost</u>										Locatio	on Map o	r Concep	<u>t Sketch</u>							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property) Total Capital Cost (includes Feasibility) Projected Source Projected Authority (Cooperator) Fund Projected SWFWMD Grant Funding Projected State and Other Grant Funding Note: Feasibility Studies are typically funded cooperative funding match and funds are coll same period. Land Acquisition, Engineering S typically financed through debt issuance.	Study) es of Fu ing or TB ng through pl ected and	ents) \$ nding D \$ \$ anning osse expended ge	 26,33 199,57 14,60 242,00 129,05 112,95 112,95 242,00 242,00 ssments wienerally with enerally with 	10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	Our team's allows us t		t with momentu igate potential n Reservo • Optimi: maximi • Dam sa (cross-s	m. Building upon isks. ir as tootprint/ teo strange fely camponents; action efficiency in angement Hydra - Flack - Flack - Strange - Stor - Strange	's regional master o our understandie - Operitional acces - Operitional acces - Construction - Constructi	g of the system is Statistical Statistical Statistical Statistical Statistical Environ Feat Intain Intain Seat Statistical Intain Seat State	n intricacies, we v enwide Istic system integrate keholder acceptance aduats management erging contaminants ronment and Ecolo renal and State permitt Itand Mitigation eatened & angreed Species odplain mitigation	alan by t by t to b pr is pr is pr is pr to b pr is to b pr is alanty	e left and ri he 2 most hi e selected a oject. These sues and co determining telow is an a rrsion pump river diversit	ghly ranked is the engine figures refl ncerns facin g how this p erial picture station and	consulting i eering const ect some of g the projec roject will p e of the exist as a part of capacity wil	teams vying tant for this the many ct team in roceed. ting river this project	A Achievin Pot Pot Pot Pote	g Operational A		Carlos Contraction	RV Griffin Rese Existing Reser PR MRWSA Ow Break	erve voir vned
Schedule (year starts on fiscal year calendar Oct 1 st)	Prior Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study	1.1																					
Preliminary Engineering			e e construire construire construire construire construire construire construire construire construire construir																			
Property and Easement Acquisition													-		-		-					
Final Design & Permitting Mitigation																						
Construction																						+
construction	1	1	1	1	1	1					1	1	1	1	1	1	1	1	1	1		1



												-	Referenc	e and De	escription	n of Nee	d			
Project Name or Title: Shorthand Identifie	-	l Integra	-	<u>- Phase</u> es Pump			arlton W	<u>TP</u>	terminu booster the sele	s of the Ph pumping s cted projec	ct is comp ase 2B reg station is ir ct team. T ransfer cap	ional loop Icluded wi nis segmei	pipeline r th the pro nt comple	hear the N ject; the lo tes a plant	Iyakkahato ocation of t-to-plant	chee WTP the boost connectio	in North I ter pump s in that will	Port to the station is to boost reg	Carlton W o be decid ional resil	/TP. A ed by
Project Location, Site or Route:	Extension Myakkaha		-			n near			unection			ability an	u, along w	in in hase	20, 0011	ineres the	southern	egionario	ор.	
<u>Type of Projec</u> (check mu	t - Related t Itiple boxes i										Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yiel	d?		
Raw Water Pumping, Storage or Conve Water Treatment Finished Water Storage and Pumping Finished Water Pipelines Plant Power, Switchgear, Fuel & Gener			ASR Syste General E SCADA, A Roads an Solid Res	Buildings, DAS or Ge d Sitewor	eneral IT S k	Systems	ty		Yes No Pa	Collect	y Requisite tive Capita Cost <i>(inclus</i> Effe	Compani Cost of A	ssociated ected grar	rs? Projects Int funds)			D on AAD none NA NA	D basis	generated	
Project Classification: Transmission		Water Sup	ply	Sys	stem-Wid	le Benefit			Other (if	Other, de	scribe)									
Estimated Project Cost										<u>Locatio</u>	n Map o	Concep	t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property or easements) Total Capital Cost (includes Feasibility Study) Projected Sources of Funding Projected Authority (Cooperator) Funding or TBD Projected SWFWMD Grant Funding Projected State and Other Grant Funding Total Note: Feasibility Studies are typically funded through planning cooperative funding match and funds are collected and expends ame period. Land Acquisition, Engineering Services and Constructional funding through debt issuance.	\$ 7,78 \$ 51,54 \$ 1,86 \$ 61,38 \$ 61,38 \$ 31,72 \$ 29,66 \$ \$ 61,38 \$ 31,72 \$ 31,72 \$ 29,66 \$ \$	5,560 2,000 3,000 5,000 3,000 - 3,000 h a nin the	Accession of the second	A compared of the second of th	Vanistin Birla Rev Cub Cester Rd Demand Rt S	Provide a second s		se IIC	Chai	C North Cons Chamberla	struction. Tl	and Myakk	a River (bel features lik onceptually	ow) and min e River Road includes fir	nimizing im d (right) dur nished wate	pact on ring r storage,				
(yeu starts on jiscu yeu culendu oct 1 / Fenou	21 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study Preliminary Engineering Property and Easement Acquisition Property and Easement Acquisition Final Design & Permitting Mitigation Construction Onstruction																				



Project Description Sheet

C ⁷ Project Description Sheet	Reference and Description of Need
Project Name or Title: Regional Integrated Loop - Phase 3C [Clark Rd. to Ranch includes Pump Station] Shorthand Identifier: <u>T6</u>	24" diameter water main installed between Clark Road (SR72) northward to Lakewood Ranch. This project includes a storage and booster pumping facility. The pumping facility will include chemical trim facilities and have the capability of pumping to both the north and south. Including a recently installed section of 24" pipe by Sarasota
Project Location, Site or Route: Between Clark Road (SR 72) and Lakewood Ranch	County, this project will largely complete a 66 mile linkage between the PRF and Manatee County and forms the backbone of the regional transmission system. It will bolster flows between Sarasota and Manatee Counties and provide operational resilience and flexibility in serving growth in the region.
<u>Type of Project - Related to Major Purpose</u> (check multiple boxes if applicable)	Does the Project Generate Additional Water Supply/Yield?
Raw Water Pumping, Storage or Conveyance ASR Systems Water Treatment General Buildings, Structures & Securi x Finished Water Storage and Pumping SCADA, ADAS or General IT Systems x Finished Water Pipelines Roads and Sitework x Plant Power, Switchgear, Fuel & Generator Sets Solid Residuals Management	Yes If Yes, How Much? 0.00 MGD on AADD basis No If Yes, any Requisite Companion Projects? none Collective Capital Cost of Associated Projects NA Participant Cost (inclusive of expected grant funds) NA Effective Net Unit Capital Cost - Cost per gallon of yield generated
Project Classification: Transmission Water Supply System-Wide Benefit	Other (if Other, describe)
Estimated Project Cost	Location Map or Concept Sketch
Feasibility Study \$ 300,000 Engineering Services \$ 7,764,420 Construction Cost \$ 45,111,580 Land Acquisition (mitigation, property or easements) \$ 4,427,000 Total Capital Cost (includes Feasibility Study) \$ 57,603,000 Projected Sources of Funding Funders of the state of th	Manatee Manatee Phase IIIC Manatee
Projected Authority (Cooperator) Funding or TBD \$ 31,165,000 Projected SWFWMD Grant Funding \$ 26,438,000 Projected State and Other Grant Funding \$ - Total \$ 57,603,000 Note: Feasibility Studies are typically funded through planning assessments with a cooperative funding match and funds are collected and expended generally within the	Sarasota
same period. Land Acquisition, Engineering Services and Construction expenses are typically financed through debt issuance. Schedule Prior	

Schedule	Prior																					Future
(year starts on fiscal year calendar Oct 1 st)	Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Period
Feasibility Study																						
Preliminary Engineering																						
Property and Easement Acquisition																						
Final Design & Permitting					*****	e e concerno																
Mitigation																						
Construction																						



Project Description Sheet

C ¹ Project Description Sheet							1	Reference	e and De	scription	of Need	ł			
Shorthand Identifier:	Regional Integrated Unive 713 Phase 3C westward of Lockwood Ridge	ersity Pump Statio	n] nderson/UTC Mal		30" or 36" 75, south o Pkwy. The north and s pipeline ar	diameter wa of Bendersor e pumping fa south. Some re envisioned	n Regional Integ ater main install n/UTC Mall area acility already ind e minor modifica d. This pipeline p bolster resilienc	ed betwee and then r cludes che ations to th project will	n Phase 3 northwest mical trim nis facility I facilitate	C in the vio to an exis facilities a located at	cinity of Fi ting facilit and has th the weste	ruitville Ro y at Lockv he capabil ern termin	, oad (780) w wood Ridge ity of pump al end of t	vestward u Rd & Uni ping to bo he reginal	under I- versity th the loop
<u>Type of Project - Relat</u> (check multiple bo		<u>e</u>				D	Does the Proje	ct Genera	ate Addi	tional W	ater Sup	ply/Yield	1?		
Raw Water Pumping, Storage or Conveyance Water Treatment Finished Water Storage and Pumping Finished Water Pipelines Plant Power, Switchgear, Fuel & Generator Sets	SCADA	stems al Buildings, Structure , ADAS or General IT and Sitework tesiduals Managemer	Systems			Collective (If Yes, H equisite Compani Capital Cost of A <i>(inclusive of exp</i> Effective Net U	ssociated I ected gran	s? Projects t funds)		r	D on AADI none NA NA per gallor	D basis of yield go	enerated	
Project Classification: Transmission	Water Supply	System-Wie	de Benefit	C	Other (if O	ther, describ	be)								
Estimated Project Cost					<u> </u>	Location M	lap or Concep	t Sketch							
Land Acquisition (mitigation, property or easements) \$ Total Capital Cost (includes Feasibility Study) \$ Projected Sources of Funding Projected Authority (Cooperator) Funding or TBD \$ Projected SWFWMD Grant Funding \$ Projected State and Other Grant Funding \$	lly within the penses are	780	Pope Golf Laue	Ase IIIC and a second s	Sarasc	avo establ co	e route for the pipe biding the UTC Mall lished transportativ isonsidered. The con	(below cent on features i	ter) and Nat including Ur location and expo	than Bender niversity Par d capacity o ected to beg	son Rowing kway, Hond f these facility gin in 2021.	g Park (belov ore Avenue	w right). The and Lockword Lockword Lockword Lockword Lockword a F	ere are also od Ridge Ro	major ad to be
(yeur starts on jiscul yeur culendur Oct 1) Period	022 2023 2024	2025 2026	2027 2028	2029	2030	2031 2	2032 2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study Image: Construction Property and Easement Acquisition Image: Construction Final Design & Permitting Image: Construction Mitigation Image: Construction															



													R	leference	e and Des	scription	of Need				
Project Name or Title: Shorthand Identif	fier:	<u>Repla</u> T4	ace Kings	s Highway	<u>y Pipelin</u>	ie due to	Road W	<u>idening</u>		installed represent land deve	within the ts a signifi elopment	e roadway cant arteri and can se	right-of-wa al connect rve as a m	ay. The Fl or betwee ajor hurri	ain provide DOT is plar en Arcadia cane evacu or the revis	nning to w and Port (uation rou	iden a poi Charlotte, te. A sign	rtion of Kir is an area	ngs Highwa of growin	ay since it g commer	ce and
Project Location, Site or Route:		ngs High unty line		m Peace	River Stı	reet to th	ne Charlo	tte/DeSo	oto	replaced	with the s	ame size i	ne in an e	asement	or the revis	sed right-d	n-way.				
<u>Type of Proj</u> (check r												Does t	he Proje	t Gener	ate Addit	ional Wa	ater Sup	ply/Yield	?		
Raw Water Pumping, Storage or Cor Water Treatment Finished Water Storage and Pumpin Finished Water Pipelines Plant Power, Switchgear, Fuel & Ger	ng			ASR Syste General E SCADA, A Roads an Solid Resi	Buildings, DAS or Go d Sitewor	eneral IT S k	systems	у			Collect	r Requisite ive Capital fost <i>(inclus</i> Effec	Companie Cost of As	sociated	s? Projects t funds)	-	n	O on AADD oone NA NA per gallon	basis of yield ge	enerated	
Project Classification: Transmissio	on	v	Vater Sup	pply	Sy	stem-Wid	e Benefit			Other (if (Other, de	scribe)					_				
Estimated Project Cost											<u>Locatio</u>	n Map or	Concept	Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property or easement Total Capital Cost (includes Feasibility Study) Projected Sources of Fund Projected Authority (Cooperator) Funding or TBD Projected SWFWMD Grant Funding Projected State and Other Grant Funding Total Note: Feasibility Studies are typically funded through plann cooperative funding match and funds are collected and expensame period. Land Acquisition, Engineering Services and Co typically financed through debt issuance.	\$ ling \$ \$ \$ \$ ning assess beended gen	2,270 250 3,000 3,000 3,000 ments with erally with),000),000),000 - - -),000),000 in a in the						Fr			eace River S 2.5 miles to							st along Kin dhill Blvd. tr		(CR
(year starts on jiscal year calendar oct 1) Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study Preliminary Engineering Property and Easement Acquisition Final Design & Permitting Mitigation Construction		i i i i i Li i i i i Li																			



Project Description:	Sheet											E	Referenc	e and De	scription	n of Need	1		
Project Name or Title: Shorthand I Project Location, Site or Route:	dentifier:	<u>T14</u> gs Highway fr							Road). 1 discussio	his is a rap ons to fund y to reloca	idly devel widening	oping area of Laurel	a in Sarasc Road east	ta County ward of H	and the C aul Road (City of Ven Knights Tr	ice. Comn ail Road).	nunity lead This may	Knights Trail ders are in compel the th the asphal
	f Project - Rel heck multiple l										Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yield	1?	
Raw Water Pumping, Storage Water Treatment Finished Water Storage and P Finished Water Pipelines Plant Power, Switchgear, Fue	Pumping	ts	SCADA, A		eneral IT Sy k		,		Yes No Pa	If Yes, any Collect articipant C	ive Capita ost (inclus	e Compani I Cost of A	ssociated ected grar	s? Projects ht funds)			none NA NA	D basis	enerated
Project Classification: Trans	mission	Water S	ipply	Sys	stem-Wide	e Benefit		¢	Other (if	Other, des	cribe)								
Estimated Project	t Cost									Locatio	n Map o	r Concep	t Sketch						
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property or eas Total Capital Cost (includes Feasibility Study, Projected Sources of Projected Authority (Cooperator) Funding or Projected SWFWMD Grant Funding Projected State and Other Grant Funding Total Note: Feasibility Studies are typically funded throug cooperative funding match and funds are collected a same period. Land Acquisition, Engineering Services typically financed through debt issuance.) \$ Funding TBD \$ \$ \$ \$ \$ th planning assessment expended gene	rally within the						3								strung o installed i steel p	ut along Lau n 2010. Cer ipe being un noto, worker	nter photo, nloaded upo	it was being 48" diameter
Schedule Pri	2021	2022 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040 Fut

Schedule	Prior																					Future
(year starts on fiscal year calendar Oct 1 st)	Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Period
Feasibility Study																						
Preliminary Engineering																						
Property and Easement Acquisition				5.515.515																		
Final Design & Permitting																						
Mitigation																						
Construction							1.5															



Mitigation Construction

Capital Improvement Plan/Capital Needs Assessment

Project Description	i sneet												E	Referenc	e and De	scriptior	n of Need	1			
Project Name or Title: Shorthand Project Location, Site or Route:	l Identifie			Pump St	ation and	d Retaini	ing Wall	<u>Rehab</u>		built ove by crane. the steel failed in s we can p	rvoir Pum r a floating . The build sheet pile sections ar ump direc ble solution	g slab that ding, roof s retaining nd require tly from th	spans a cl system an wall syste replacem ne river or	earwell. A d confinec m which c ent. This backfeed	A series of I spaces un reates the facility typ by gravity	skylights p nderneath buttresse ically pum from Rese	provides r the floor d walls ar pps 100% ervoir # 2	oofing and slab requi e also sev of the raw if it is full,	d the abilit ire refurbis erely corro water to t	y to pull V hment. F ded and H he PRF. A	T pump: inally, nave Ithough
		t - Related t										Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yield	1?		
	d Pumping			ASR Syste General I SCADA, A Roads an Solid Res	Buildings, ADAS or Go Id Sitewor	eneral IT S k	ystems	ty		Yes No Pa	If Yes, any Collecti rticipant C	ive Capital ost (inclus	Compani Cost of A ive of exp	ssociated	s? Projects ht funds)	-		D on AADI none NA NA per gallor	D basis	enerated	
Project Classification: Tra	nsmission		Water Su	oply	Sy	stem-Wid	e Benefit			Other (if	Other, des	scribe)									
Estimated Proje	ect Cost										Location	n Map or	Concep	t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property or	dy) of Funding or TBD	\$ 2,04 \$ \$ 2,44 \$ \$ 2,44 \$ \$ \$ \$ \$ \$ 2,44 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	thin the	to F Reser pum	oir # 2 drait teservoir # 2 voir Pump S ps all water ervoirs to th treatmen	1 and the tation then from both e PRF for	A R	eservoir Pur	np Station a		Solution of the second s	System			span of she this was su replace	bsequently			ypical step o	racks in wa	Is
	Prior Period 20	021 2022 elastrolate elastrolatetat	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Final Design & Permitting				1 1. 1. 1. I																	



Project Description Sheet

														F	leference	e and De	scription	n of Need	d			
Project Name or Title: Shorthe	and Ider	ntifier:	PRF Exp S1	ansion -	<u>Minor (P</u>	reviousl	<u>y Phase 2</u>	2 Capacii	<u>ty Increa</u>	<u>se)</u>	12 MGD a near the l already p Additiona	and with th headworks roposed to al treatmen	e new rese of the PRF plug and a t capacity	rvoir, will g are poorly bandon the will stem fre	enerate 12 sited and i ese wells work wells work wells work wells wells wells work wells work wells work were wells work we	2 MGD AAD require sigr hich create ng Plants 3	DF of annua nificant cos es an oppo & 4. Othe	al yield. Se stly rehab rtunity to r improver	rmitted cap everal of th for continu add a 3rd S ments woul	e oldest AS ed operatio CU treatmo d include:	R wells location. Staff ha	ated ad Plant 1. on of
Project Location, Site or Route:		A	t the Pea	ace River	Facility.									-			-		ind a 3rd sl on to this p		Other mi	nor
Д				o Major I f applical									Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yield	!?		
Raw Water Pumping, St X Water Treatment Finished Water Storage Finished Water Pipeline X Plant Power, Switchgeau	and Pum	ping			ASR Syste General I SCADA, A Roads an Solid Res	Buildings, ADAS or G Id Sitewor	eneral IT S k	Systems	ity		Yes No Pa	Collect	ive Capita Cost (inclus	If Yes, He Companie Cost of As <i>ive of expe</i> ctive Net U	ssociated	s? Projects It funds)	\$ \$	257 136	D on AADI <i>S2a</i> ,000,000 ,562,500 : per gallor		enerated	
Project Classification:	Transmis	sion		Water Sup	oply	Sy	stem-Wid	le Benefit	:		Other (if	Other, de	scribe)					_				
Estimated Pr	oject Co	<u>st</u>										Locatio	n Map o	Concept	t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property) Total Capital Cost (includes Feasibility) Projected Source Projected Authority (Cooperator) Fund Projected SWFWMD Grant Funding Projected State and Other Grant Funding Total Note: Feasibility Studies are typically funded cooperative funding match and funds are coll same period. Land Acquisition, Engineering S typically financed through debt issuance.	Study) es of Fu ing or TB ng through pla through pla	s nding D ç ¢ ¢ \$ anning asses expended ge	2,25 12,72 2 15,00 7,51 7,48 15,00 ssments with nerally with	5,000 0,000 2,500 7,500 - 0,000 th a hin the										disappe these w	hat we have to color across to ce this river of the		v can	parallel to t	onsolidate the he existing 48 hydraulic capa	A single 48 a	so provides a	28%
Schedule (year starts on fiscal year calendar Oct 1 st)	Prior Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study	. chod																					. criou
Preliminary Engineering																						
Property and Easement Acquisition																						
Final Design & Permitting								* * * *														
Mitigation Construction																						
		1		1			1				1	1	1	1		1			1	1		1



Project Description Sheet

		Reference and Description of Need
Project Name or Title: Water Res Shorthand Identifier: B3	sources/Construction Department Building	The Water Resources office is a converted ranch-style caretaker/hunting lodge built in the 1960's by a developer. The structure, owned by SWFWMD, sat mostly empty for about 20 years and had fallen into disrepair and the Authority had received approval from the District to raze it so that it would not attract vandals. Later it was decided to utilize the building for office space during construction of Reservoir # 2 in 2007 and this space has since housed our Water Resources and Construction Departments. The building, now 60 years old, needs major refurbishment.
Project Location, Site or Route: Near Reservoir N	No 1.	Considering extensive building code issues involved with updating this building, staff believe it more prudent and cost effective to construct a new building instead.
<u>Type of Project - Related to Majo</u> (check multiple boxes if applied		Does the Project Generate Additional Water Supply/Yield?
Raw Water Pumping, Storage or Conveyance Water Treatment Finished Water Storage and Pumping Finished Water Pipelines Plant Power, Switchgear, Fuel & Generator Sets	ASR Systems ASR Systems SCADA, ADAS or General IT Systems Roads and Sitework Solid Residuals Management	Yes If Yes, How Much? 0.00 MGD on AADD basis x No If Yes, any Requisite Companion Projects? none Collective Capital Cost of Associated Projects NA Participant Cost (inclusive of expected grant funds) NA Effective Net Unit Capital Cost - cost per gallon of yield generated
Project Classification: Transmission Water S	Supply System-Wide Benefit	Other (if Other, describe)
Estimated Project Cost		Location Map or Concept Sketch
Feasibility Study \$ - Engineering Services \$ 200,000 Construction Cost \$ 800,000 Land Acquisition (mitigation, property or easements) \$ - Total Capital Cost (includes Feasibility Study) \$ 1,000,000 Projected Authority (Cooperator) Funding or TBD \$ 1,000,000 Projected SWFWMD Grant Funding \$ - Projected State and Other Grant Funding \$ - Total \$ 1,000,000 Note: Feasibility Studies are typically funded through planning assessments with a -		Current Photo Current Photo
cooperative funding match and funds are collected and expended generally within the same period. Land Acquisition, Engineering Services and Construction expenses are typically financed through debt issuance.	and 70's. The building was originally constructed with a front a converted this structure to office space in 2007, the back patic	ouse a caretaker and it was believed the site was also used to also entertain investors and company officers with hunting trips in the 1960's and back patio. It was equipped with a kitchen area, central fire pit, several bunkrooms and bathrooms on either end. When the Authority o was enclosed and converted to interior space, the firepit was filled in and the chimney sealed. Half a dozen staff are based in the main and the more northern Lakewood Ranch office. Two additional staff are housed in the ancillary detached shed to the left.

Schedule (year starts on fiscal year calendar Oct 1 st)	Prior Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study	Tenou			••••																		Tenou
Preliminary Engineering																						
Property and Easement Acquisition																						
Final Design & Permitting																						
Mitigation																						
Construction																						



Our Mission

To provide the region with a sufficient, high quality, safe drinking water supply that is reliable, sustainable and protective of our natural resources now and into the future.

Our Vision

Through cooperation and collaboration, the Peace River Manasota Regional Water Supply Authority and its members shall create, maintain and expand a sustainable, interconnected regional water supply system.



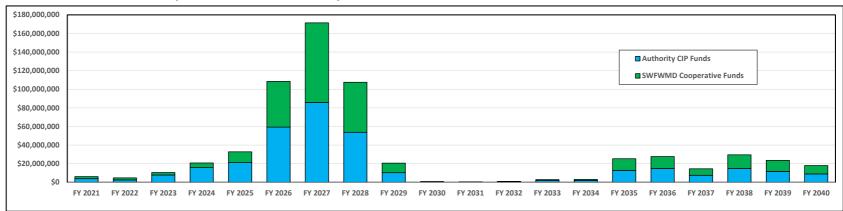


20-Year Capital Needs Assessment Fiscal Period: 2021 - 2040

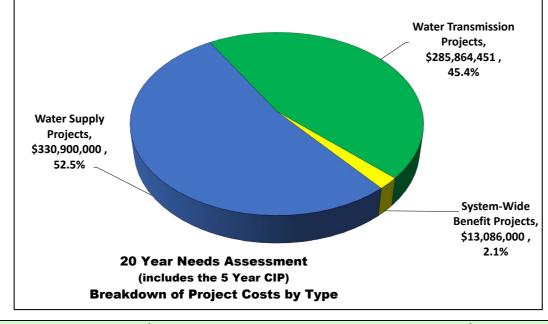




20 Year Capital Needs Assessment Summary by Year and Type of Project



(includes the 5-Year CIP)



Total Investment Planned Over the Period	\$ 629,850,451 excludes prior year and feasibility study costs	\$89,500,000	identified beyond the 20-year horizon
Anticipated Offsetting Grant Funding	\$ 293,158,226 excludes prior year and feasibility study costs	\$44,575,000	identified beyond the 20-year horizon



Project Description Sheet

Project Description Shee	t											Referenc	e and De	escriptio	n of Need	d			
Project Name or Title: Shorthand Identifi Project Location, Site or Route:	er: <u>A</u> 1 At the P	eace River	· Facility (sting, Perm and associa	ited prope			raw wate would be through and free	er from the e significar potable w	e reservoir nt operatio ater treatr ient capac	rs and inje onal cost s ment first. ity at the v	ct it below avings bec This woul water treat	ground in ause the d leverage	n the ASR water inje e our injec	system. Th cted belov tion capat	ne expecte v ground v pility, impi	of facilities ed benefits would no le rove recov ional flexil	of this pr onger hav ered wate	ogram e to go r quality
<u>Type of Proje</u> (check m		to Major I	Purpose		,					Does t	the Proje	ct Gener	ate Add	itional W	/ater Sup	oply/Yiel	d?		
Raw Water Pumping, Storage or Conv Water Treatment Finished Water Storage and Pumping Finished Water Pipelines Plant Power, Switchgear, Fuel & General			SCADA, A Roads and	ems Buildings, Stru DAS or Gener d Sitework iduals Manag	ral IT Syster			Yes No Pa		-	e Compan I Cost of A sive of exp	ssociated	ts? Projects nt funds)	-		none NA NA	D basis	generated	
Project Classification: Transmission		Water Su	oply	System	n-Wide Ber	nefit		Other (if	Other, de	scribe)									
Estimated Project Cost									Locatio	n Map o	r Concep	t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property or easements) Total Capital Cost (includes Feasibility Study) Projected Sources of Funding Projected Authority (Cooperator) Funding or TBD Projected SWFWMD Grant Funding Projected State and Other Grant Funding Total Note: Feasibility Studies are typically funded through plannin cooperative funding match and funds are collected and expensame period. Land Acquisition, Engineering Services and Contypically financed through debt issuance.	\$ 1,2 \$ 6,8) \$ \$ 8,3 BE \$ 4,2 \$ 4,2 \$ 4,2 \$ 4,2 \$ 4,2 \$ 5 \$ 8,3 BE \$ 9 \$ 1 \$ 1	ithin the	🔷 SI	#2ASR Well uwannee Montoring Well termendue Montoring Termendue Miles Miles <u></u>	100 million (100 million)	M-11 T-11 S-20 M-14 S-12 S-14	5-18 5-18 5-12 5-12 5-12	- (8-17 7 s-16 - 8-11 - 8-11	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		e de la companya de l		S Rectards standards Rectards Re						
Schedule Prior (year starts on fiscal year calendar Oct 1 st) Period Feasibility Study Schedule)21 2022	2023	2024	2025 20	026 203	27 2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period

Schedule	Prior																					Future
(year starts on fiscal year calendar Oct 1 st)	Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Period
Feasibility Study																						
Preliminary Engineering																						
Property and Easement Acquisition																						
Final Design & Permitting																						
Mitigation																						
Construction									1.5.7 (1.5.7 × 1	estate estate												



Project Description Sheet

						Reference	and Des	scription of Nee	<u>:d</u>		
Project Name or Title: Shorthand Identifier:	<u>78</u>	Replace 12" PVC Line		Regior can pr It also The cu	pproximately 1.5 mile nal Transmission Main rovide a backup water helps to equalize syst urrent pipeline was ins	and the 42" Phase 2a feed to Lake Suzy and em flow and provides talled by GDU, it is PN	a Regional I Charlotte operatior /C pipe nea	Loop Interconnect County in the even al flexibility durin	t. It serves as a vent of a main bread of a main bread of a main bread of a main bread of the major pipeline o	valuable intert eak on the large construction	ie which er lines. projects.
Project Location, Site or Route: Thi	is Pipeline runs near	the DeSoto/Charlotte County	lines.	many	areas, it will be replac	ed with a larger diam	eter.				
Type of Project - Re (check multiple	lated to Major Purp boxes if applicable)	<u>ose</u>			Does	the Project Genera	ate Addit	ional Water Su	pply/Yield?		
Raw Water Pumping, Storage or Conveyance	ASR	Systems		Yes		If Yes, How Much?		0.00 MG	GD on AADD bas	sis	
Water Treatment	Gen	eral Buildings, Structures & Security	×	No	If Yes, any Requisit	e Companion Project	s?		none		
Finished Water Storage and Pumping	SCA	DA, ADAS or General IT Systems			Collective Capita	al Cost of Associated I	Projects		NA		
x Finished Water Pipelines	Roa	ds and Sitework			Participant Cost (inclu	sive of expected gran	t funds)		NA		
Plant Power, Switchgear, Fuel & Generator S	ets Soli	d Residuals Management			Effe	ective Net Unit Capita	Cost	- cos	st per gallon of y	ield generated	i -
Project Classification: Transmission	Water Supply	System-Wide Benefit		Other	(if Other, describe)						
Estimated Project Cost					Location Map of	or Concept Sketch					
Feasibility Study \$		Reace River Facility 12" Lake Suzy Transmission Main (LSTM)	- 14 - 18 - 18 - 18 - 18 - 18 - 18 - 18	1. 1778 A.L.							
Engineering Services \$	550,000	6-10				-					
Construction Cost \$	1,750,000	AUT Partie		-C.		a					
Land Acquisition (mitigation, property or easements) \$	200,000			645	and the second	ANT ANT ANT	3 24				
Total Capital Cost (includes Feasibility Study) \$	2,500,000	2		2024		Life Charles	~	Carl Sta	Contra M	A AC	No.
Projected Sources of Funding	4					A Providence of the			in the	21-3 C	
Projected Authority (Cooperator) Funding or TBD 5	2,500,000	LA R 77							WARNING		No.
Projected SWFWMD Grant Funding		A CARANTAL			- contractions	and the second	4		THIS AREA IS DESIGNATED A CONSTRUCTION SITE. ANYONE TRESPASSING ON THIS PROPERTY UPON CONVICTION: SHALL BE GUILIT	Contraction of the second	
Projected State and Other Grant Funding \$	-				And the second	Carlos and	and the		PLORIDA STATUTE II	and the second	
Total \$	2,500,000						Seller Seller	A CRIME			
Note: Feasibility Studies are typically funded through planning assess cooperative funding match and funds are collected and expended gen same period. Land Acquisition, Engineering Services and Construction typically financed through debt issuance.	erally within the	HR	primary feed to Counties, respect relic wastewat	Lake Suz tively thr er treatn	standards, this 12" diamet zy and parts of Deep Creel rough about 2005. This lin ment sprayfield and airstri ties together three major 1	in DeSoto and Charlotte runs along the edge of p north of the Kingsway					
Schedule Prior											Future

Schedule	Prior																					Future
(year starts on fiscal year calendar Oct 1 st)	Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Period
Feasibility Study																						
Preliminary Engineering																						
Property and Easement Acquisition																						
Final Design & Permitting																						
Mitigation																						
Construction																						



															Reference	e and De	escription	n of Need	d			
Project Name or Title:				<u>5 MGI</u>	D Brackis	h Water	<u>RO Facil</u>	<u>lity at PR</u>	<u>F</u>		measure	of drough	it resilienc	y to the re	gional wa	er supply	network.	Brackish	groundwa	al system a ter would erse osmo	be withdra	awn
Shorthe	nd Ider	ntifier:	S4									•	•							ntrate wou	-	
Project Location, Site or Route:				ace River		•			holdings		permeab	le zone w	ell below t	he Avon P	ark zone.	This proje	ect include	s a combi	ned clearv	vell for ble	nding con	rol.
П				if applica									Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yield	1?		
Raw Water Pumping, St Water Treatment Finished Water Storage Finished Water Pipeline Plant Power, Switchgeau	and Pum	, ping			ASR Syste General I SCADA, A Roads an Solid Res	Buildings, ADAS or G nd Sitewor	eneral IT S ′k	Systems	ity		Yes No Pa	Collect	y Requisite ive Capita Cost <i>(inclus</i> Effe	Compani Cost of A ive of exp	ssociated	s? Projects t funds)	\$ \$	50 25	D on AAD none ,700,000 ,600,000 : per gallor	D basis	enerated	
Project Classification:	Transmis	sion		Water Su	pply	Sy	stem-Wid	de Benefit	:		Other (if	Other, de	scribe)									
Estimated Pr	oject Co	<u>ost</u>										<u>Locatio</u>	n Map o	Concep	<u>t Sketch</u>							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property) Total Capital Cost (includes Feasibility) Projected Source Projected Authority (Cooperator) Fund Projected SWFWMD Grant Funding Projected State and Other Grant Funding Note: Feasibility Studies are typically funded cooperative funding match and funds are collisame period. Land Acquisition, Engineering Stypically financed through debt issuance.	Study) es of Fu ing or TB ng through pl through pl	nding D ç ç ç ç anning asse expended ge	\$ 6,59 \$ 43,60 \$ 50,70 \$ 25,60 \$ 25,10 \$ 25,10 \$ 50,70 \$ 25,10	- 00,000 00,000 - 00,000 - 00,000 th a thin the	Reserved for Program for Prog	Grou Reso	hary Investigation	Development Opj ity	And the second sec		Typical RO stacked pre		ve arrays or s, leading to footprint					between st	tages for fee	i i i i i i i i i i i i i i i i i i i i	oduct (perm	
Schedule (year starts on fiscal year calendar Oct 1 st)	Schedule Prior 2021 2022 2023 2024 2025 2026 2027												2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study Preliminary Engineering													-									
Preliminary Engineering Property and Easement Acquisition				-			-			-			an a sea a sea fa sea		-			-				
Final Design & Permitting																						
Mitigation																						
Construction																						1



	or Title: Regional Integrated Loop - Phase 2D [US 41 to Englewood Water													Referenc	e and De	scriptior	n of Need				
Project Name or Title: Shorthand Identif		tional Ir T11	-	<u>d Loop -</u> istrict ind		-		wood W	ater	regional l to-plant o	oop pipeli connectior	ne near Ri	ver Road a boost loca	and US 41 I and regi	to the Engonal resilie	glewood V ency and f	Vater Distr acilitate tr	rict. This ansfer of	running fro segment co water in ei ies.	mpletes	a plant-
Project Location, Site or Route:				•	• •		n US 41 to and SR 77														
<u>Type of Proj</u> (check r	ect - Rel a nultiple b											Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yield	1?		
Water Treatment Finished Water Storage and Pumpin Finished Water Pipelines	Image: Scalar stress in the													ow Much on Project ssociated ected grar	s? Projects t funds)	-	0.00 MGE cost	NA NA	D basis of yield go	enerated	
Project Classification: Transmissio	sification: Transmission Water Supply System-Wide Benefit																				
Estimated Project Cost	Estimated Project Cost													t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property or easement Total Capital Cost (includes Feasibility Study) Projected Sources of Fund Projected Authority (Cooperator) Funding or TBD Projected SWFWMD Grant Funding Projected State and Other Grant Funding Total Note: Feasibility Studies are typically funded through plann cooperative funding match and funds are collected and expensame period. Land Acquisition, Engineering Services and Cotypically financed through debt issuance.	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,566 26,256 1,323 32,446 17,034 15,411 32,446 hents withi	,900 ,100 ,000 ,000 ,500 ,500 - ,500 ,500 a n the	Contraction of the second seco	The cost of R	Arrendo Carl Control	Phase III	Saras	sota	North Port	ti ti v v v v v gi	terconnecti District (EWI rough mino member/cus connecting t regional inte beneficial t beneficial t beneficial t beneficial t selilency. A VD is that sii e limited an systems are poor groun ater intrusic ves EWD an	D) is already r arterial dis tomer syste his source c egrated syste or the region right or eme mections be nd an impor- nce ground d many coa dmany coa dwater qual on, this pipe	v accomplisi tribution line ems. Howe of supply too em is mutu a and EWD. rgencies, pl polster regio rtant benef water quar stal desalin ing increas lity due to s line import	ned hes in ver, the ally ln ant- hal it to tities ation ngly alt antly	E WAT	NGLEWO TER DIS	DOD TRICT			
Schedule Prior (year starts on fiscal year calendar Oct 1 st) Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Feasibility Study Preliminary Engineering Property and Easement Acquisition Final Design & Permitting Mitigation Construction	Period 2021 2022 2023 2024 2025 2026 2027 2028 2 ility Study																				



														<u> </u>	Referenc	e and De	scription	n of Need				
Project Name or Title: Shortha Project Location, Site or Route:	nd Iden	tifier:	T12	<u> </u>	ted Loop acility inc System	ludes Pu	ump Stat	ion]			the Burnt Peace Riv WTP and	Store WT er in the t the remai	nal Integrat IP and exte town of Cle inder of th ainability.	ending nor eveland or e regional	th to the the outs loop syst	Authority's kirts of Pur em allowin	s Phase 14 nta Gorda ng water te	A transmiss . This com o flow in e	sion main Ipletes a li ither diree	on the sou ink betwee	ith side of in the Bur	f the rnt Store
		В	urnt Stor	re WTP.																		
<u>T</u> Y		oject - R k multiple									<u>, </u>		Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yielc	1?		
Raw Water Pumping, Sto	orage or C	Conveyanc	e		ASR Syste	ems					Yes			If Yes, H	ow Much	?		0.00 MGE	on AAD) basis		
Water Treatment					General E	Buildings,	Structures	s & Securit	y	x	x No If Yes, any Requisite Companion Projects? none											
x Finished Water Storage a	and Pump	oing			SCADA, A	DAS or Ge	eneral IT S	systems				Collect	ive Capital	Cost of A	ssociated	Projects			NA	ľ		
x Finished Water Pipelines	;			Г	Roads an	d Sitewor	k				Par	rticipant C	Cost (inclus	ive of exp	ected grai	nt funds)			NA			
Plant Power, Switchgear,		Generator	Sets	Ē	Solid Res	iduals Ma	nagement	t					Effec	ctive Net L	Init Capita	l Cost	-	cost	per gallor	n of yield g	enerated	
Project Classification:	ransmis	sion	<u> </u>	Water Sup	oply	Sys	stem-Wid	e Benefit			Other (if (Other, des	scribe)									
Estimated Pro	oject Co	<u>st</u>										Locatio	n Map or	Concept	t Sketch							
Feasibility Study		\$	200	0,000		Charlotte	di Grafa ⁿ		Cleveland			Land and the second sec				So atta	main	and the	ACME:			1
Engineering Services		\$	5,217	7,100		Harbor		T T	Bermont Ro	A. S.								100	100		CALL OF	
Construction Cost		Ś	29,301	1.900	\square	Peace River Punta C	Sorda Carmalita S	No.				14	-		1			286				
Land Acquisition (mitigation, property c	or easeme		,	-		X	Arry Arry	Pust Core Airpo	ta ŝa ort										0	AL. 1	1	and a
Total Capital Cost (includes Feasibility S		, ,	36,114	,			INIE SU DE	and the second	5- III	Charl	otte					1			Burnt	Store .		
Projected Source			50,11	1,000		×	122		* Loop Itd			÷.		-1-	-	-				illaby In	5.8.3	
Projected Authority (Cooperator) Fundi	ng or TBE) ş	18,854	1 500			No.	at		Phase	Baboc Wild	ck-Webb He Area						ALE	10			
Projected SWFWMD Grant Funding	-	\$,										100000000000000000000000000000000000000					AT				
Projected State and Other Grant Fundin	g	د ک	,	-			N.															
Total	-	Ś	36,114	1 000			and the second					1.8				the Bur				9	The second	
Note: Feasibility Studies are typically funded t cooperative funding match and funds are colle same period. Land Acquisition, Engineering Se typically financed through debt issuance.	cted and e	nning asses xpended ge	sments with nerally with	h a hin the		<u> </u>		Zemel Rd	Charlo B Fishaodi Environe thi P	al Les Heroda	Che CorCao				WTP in gional S	with the ystem	2					
Schedule	Prior																					Future
(year starts on fiscal year calendar Oct 1 st)	Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Period
Feasibility Study Preliminary Engineering															8.909.909.909.909.9							
Property and Easement Acquisition											-											+
Final Design & Permitting																			11.1			
Mitigation																		1.4.1				
Construction																			5.5.5.5.5.5.5.5.5.		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	



Project Description Sheet

Project Descripti	on Sh	eet												I	Referenc	e and De	scription	n of Need	ł			
Project Name or Title: ASR Wellfield Expansion Shorthand Identifier: A2 Project Location, Site or Route: At the Peace River Facility (and associated property holdings						Success for the Peace River Facility is based upon capitalizing on seasonal storage and can either be accomplished with raw water off-stream reservoirs, or currently, as potable water ASR wells. The Authority has been an advocate for raw water ASR due to reduced operational costs and heightened operational efficiency and flexibility. Raw wate (or partially treated) surface water will make ASR a more effective alternative, however, even without a permitting status change to allow raw water ASR, ASR remains an effective, reliable storage mechanism. This project will bring another 12 ASR wells online but will likely involve a layered approach with some aquifer recharge wells into the										lvocate w water nitting Il bring						
Project Location, site of Noute.						manent e			ioiuiiigs				ately under						ie aquirei	reenarge	vens into t	ne
<u></u>		oject - R k multipl									•		Does t	he Proje	ct Gener	ate Addi	tional W	ater Sup	ply/Yiel	d?		
Raw Water Pumping, Stu Water Treatment Finished Water Storage Finished Water Pipeline Plant Power, Switchgear	and Pum	oing			SCADA, Roads a	tems Buildings, ADAS or G nd Sitewor siduals Ma	eneral IT S k	Systems	ty			Collect	y Requisite ive Capital Cost <i>(inclus</i> Effec	Compani Cost of A ive of exp	ssociated	s? Projects t funds)	\$	25	none ,200,000 ,650,000	D basis	enerated	
Project Classification:	Transmis	sion		Water Su	pply	Sy	stem-Wid	le Benefit			Other (if (Other, de	scribe)									
Estimated Pr	oject Co	<u>st</u>										<u>Locatio</u>	n Map or	Concep	t Sketch							
Feasibility Study Engineering Services Construction Cost Land Acquisition (mitigation, property of Total Capital Cost (includes Feasibility Stores) Projected Source Projected Source Projected SwFWMD Grant Funding Projected State and Other Grant Funding Projected State and Other Grant Funding Note: Feasibility Studies are typically funded i cooperative funding match and funds are colle same period. Land Acquisition, Engineering Stuppically financed through debt issuance.	Study) es of Fui ing or TBI ng through pla ected and e	\$ nding D \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,03: 21,064 100 25,200 12,650 12,550 25,200 ssments with nerally with	8,000 0,000 0,000 0,000 0,000 - 0,000 h a nin the	Surv	2 ASR Well manner Montholm (M) mrediate Montorin (M-4)	Well y Well 3 T-3 M-15 M-15 M-15	M-11 T-11 M-14	5-20 S S-19 S- S-15 S- S-14 S-1	4 MH17 B 33 2 5-10 MH8	17 6 1	-InL19 FRUES 3 Performance						the sustain: the A maintai wells fi finished is one of potable systems i and the I of the N The Aut actually water be than it ca	storage is key to ability and uthority ins 21 ASR or storing water. This water ASR n the world argest west Aississippi. hority can store more low ground an in its off- reservoirs.		ogie Unit Manager Mana	
Schedule (year starts on fiscal year calendar Oct 1 st) Feasibility Study	Prior Period	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Future Period
Preliminary Engineering Property and Easement Acquisition Final Design & Permitting Mitigation Construction																алаанаа 						







Peace River Manasota Regional Water Supply Authority 9415 Town Center Parkway Lakewood Ranch, FL 34202 Phone: (941) 316-1776 Fax: (941) 316-1772 PeaceRiver@RegionalWater.org





PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

REGULAR AGENDA ITEM 5

FY 2021 Budget Issues

Presenter -

Mike Coates, Deputy Director

Recommended Action - Board Direction of budget issues for FY 2021 Budget.

Subsequent to Board discussion at the workshop on January 31, the tentative Budget for FY 2021 includes proposed changes and new items below that staff will present for Board discussion and direction.

a. <u>R&R Sufficiency</u>

In March 2020 Black and Veatch completed an asset inventory and condition assessment of Authority facilities for use in evaluating future R&R funding needs. Findings indicate R&R project spending in the next 5 years should gradually increase to about \$4M annually in that timeframe. A step-increase in expenditures (to \$3M) is proposed in the FY 2021 budget. Including R&R sufficiency updates every 5-years should also be considered to support infrastructure reliability and longevity.

b. Cooperative Funding Projects Local Match

In October 2019 the Authority submitted the three Feasibility Study projects below to SWFWMD for FY 2021 cooperative funding:

- Peace River Reservoir No. 3 Siting & Feasibility Study
- Regional Integrated Loop System 3C Interconnect Routing & Feasibility Study
- Southern Regional Loop (Segments Phase 2B & 2C) Routing and Feasibility Study

These projects are recommended for co-funding on the SWFWMD May 19, 2020 Board agenda contingent on local-match funding. Staff is proposing that \$575,000 be included in the planning assessment portion of the Authority's FY 2021 budget as the local match. The remaining \$550,000 in local match for these projects is proposed to be included in the FY 2022 Planning Assessment.

c. Disaster Recovery Reserve

Most of the Authority's Member Governments have established emergency or disaster recovery reserves. Establishment of an Authority Board Policy for a Disaster Recovery Reserve of \$1M is proposed with a \$150,000 contribution in the FY 2021 budget.

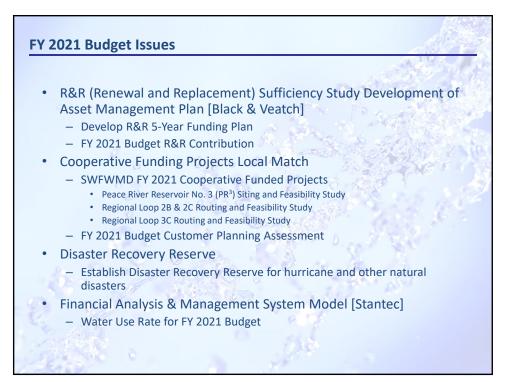
d. Integrated Rate Model

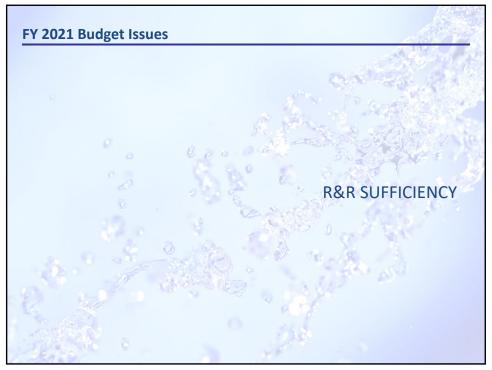
The FY 2021 tentative budget includes an increase in the Use Rate from \$0.76 to \$0.79/1000 gallons. The increase is consistent with Stantec's rate model results for the Authority.

Attachments:

FY 2021 Budget Issues Presentation

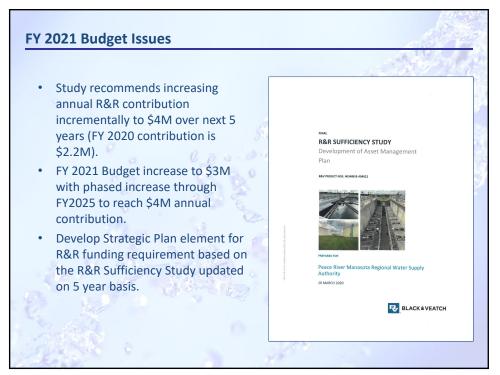




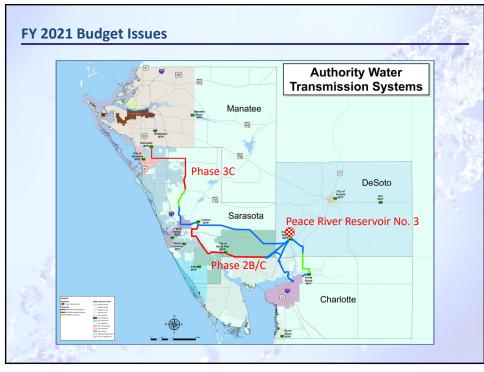
















The Board authorized submittal of FY 2021 Coopera applications to SWFWMD at its meeting on October	C 73	g Initiative	12
Cooperative Funding Project	Authority Funds	SWFWMD Funds (1)	Total Project Cost
Peace River Reservoir No. 3 Siting and Feasibility Study	\$0.875 M	\$0.625 M	\$1.5 N
Southern Regional Loop (Segments 2B & 2C) Feasibility and Routing Study	\$0.200 M	\$0.200 M	\$0.4 N
Regional Integrated Loop System Phase 3C Interconnect Routing and Feasibility Study	\$0.300 M	\$0.300 M	\$0.6 N
Total	\$1.375 M	\$1.125 M	\$2.5 N

FY 2021 Budget Issues

Budget Policies [Board Approved: October 2, 2019]

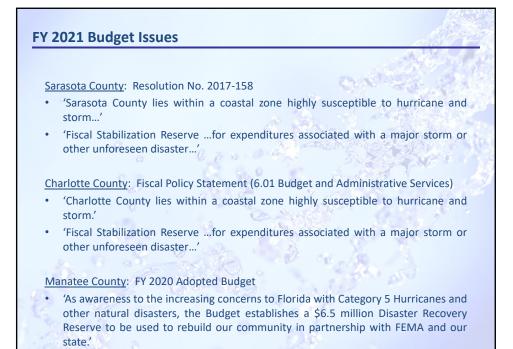
Customer Planning Assessment:

'The Master Water Supply Contract provides that Management and Planning Costs of the Authority may be obtained from the Customers in a manner determined by the Authority Board. It is the Authority's policy that Management and Planning Costs in the Authority's annual budget shall be proportioned to each Authority Customer proportionate to their respective entity's population to the region's total population. (Sarasota County population shall be less the City of North Port population).'

PLANNING ASSESSMENT PROJE	CT FUNDING [F	Y 2020 to FY 20	22]
Project	Authority FY 2020	Authority FY 2021	Authority FY 2022 (est)
Peace River Reservoir No. 3 (PR ³) Siting and Feasibility Study	\$250,000	\$375,000	\$250,000
Regional Loop 2B & 2C Routing and Feasibility Study		\$100,000	\$100,000
Regional Loop Phase 3C Routing and Feasibility Study		\$100,000	\$200,000
Polk Regional Water Cooperative	\$25,000	\$25,000	\$25,000
Water Advocacy/One Water initiative	\$50,000	\$25,000	\$25,000
TOTAL	\$325,000	\$625,000	\$600,000

					1	
	F	PLANNIN	G ASSESSMEN	T for FY 2021	and the	
	Customer	2	Population [BEBR April 2019]	Population [Percentage]	Assessment FY 2021	Assessment FY 2020
Charlotte County	0	Ø	180,843	17.6 %	\$109,947	\$57,153
DeSoto County	0	2	33,693	3.3 %	\$20,484	\$10,763
Manatee County	200	1	387,206	37.7 %	\$235,410	\$122,107
Sarasota County	-	0	352,617	34.3 %	\$216,172	\$113,897
City of North Port		38	73,652	7.1 %	\$42,987	\$21,082
TOTAL			1,028,011		\$625,000	\$325,000







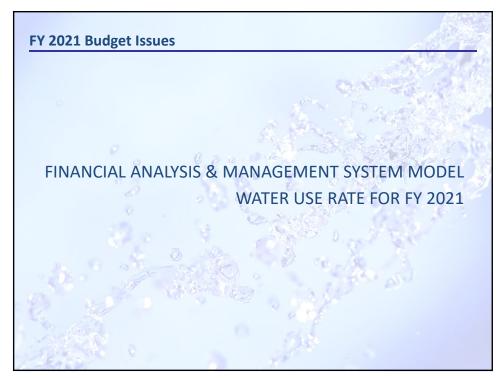
	o state of
Entity	Formal Policy Target Amount
Sarasota County	60 - 90 days of Operating Expenses
Charlotte County	5% -10% Total Budget
Manatee County	FY 2020 Budget establishes a \$6.5 M Disaster Recovery Reserve

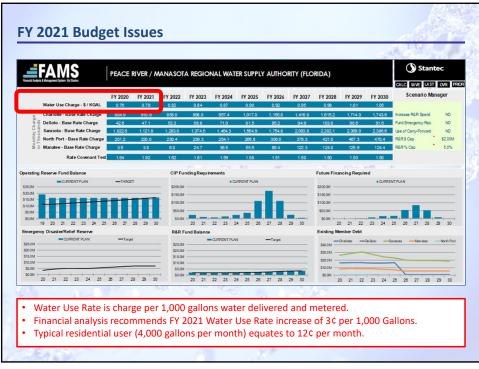
FY 2021 Budget Issues

Disaster Recovery Reserve [DRAFT]

The Authority's service area lies within a coastal zone highly susceptible to hurricane and storm damage. The purpose of the Disaster Recovery Reserve is to ensure funds for the recovery and continued operation during disaster situations such as hurricanes and other weather-related events (as well as other environmental or other natural disasters that cause disruptions of service). It is the goal of the Authority to maintain a balance at the end of each fiscal year of \$1 million in the Disaster Recovery Reserve.









PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

TENTATIVE BUDGET ITEM 1

Tentative Budget for FY 2021

Presenter -

Patrick Lehman, Executive Director

Recommended Action -

Motion to approve Tentative Budget for FY 2021 in the amount of \$51,267,201.

In accordance with the 'Second Amended Interlocal Agreement Creating the Peace River Manasota Regional Water Supply Authority', the Authority is required to establish a tentative budget no later than May 15th of each ensuing year [deferred by the Board to May 27, 2020 at prior Board meeting]. Staff will present the proposed Tentative Budget for FY 2021 in the amount of \$51,267,201.

The Tentative Budget for FY 2021 will be posted on the Authority's website and distributed for continued review by Authority members, customers and the public. A public hearing is scheduled at which time the Board will adopt the final budget for FY 2021 during a regularly scheduled meeting on August 5, 2020.

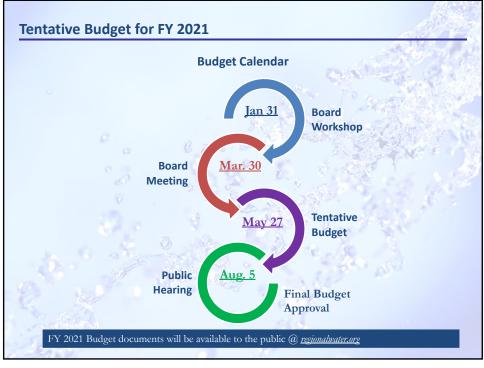
Attachments:

- Tab A FY 2021 Proposed Tentative Budget Presentation
- Tab BFY 2021 Proposed Tentative Budget Analysis
- Tab C FY 2021 Proposed Water Rate and Charges Analysis
- Tab D FY 2021 Proposed Tentative Budget
- Tab E Historical Expenditures Comparison

TAB A FY 2021 Proposed Tentative Budget Presentation











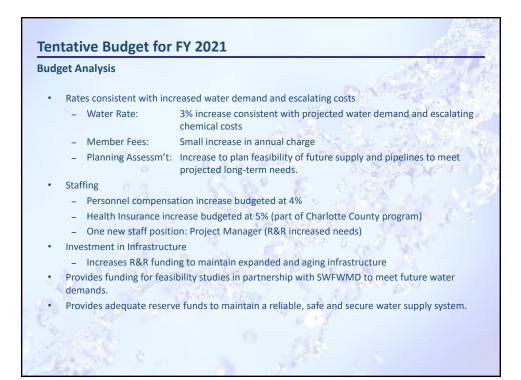
Tentative Budget for FY 2021

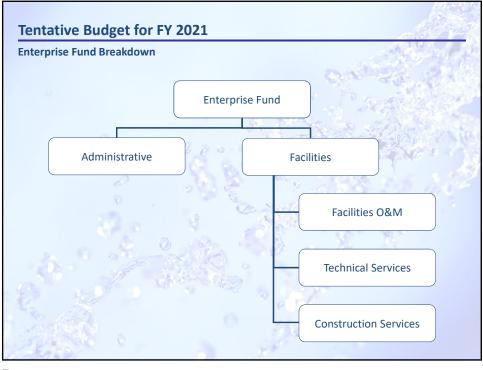
Budget Obligations



The Authority is obligated to provide a reliable, safe and secure water supply to the region.

- MWSC water allocations [34.7 MGD]
- Customer demands projections [32.8 MGD]
- Efficient and effective operations
- Appropriate investment in
- infrastructure
- Plan to provide for long term water demands
- Maintain financial stability/bond rating
 - Maintain reasonable water rates
 - Next fiscal year FY 2021Near-term [2-5 years]
 - Long term [5-20 years]

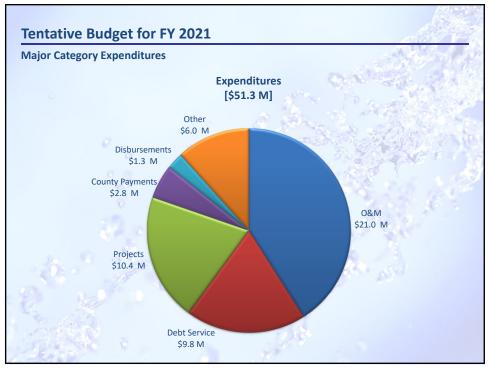


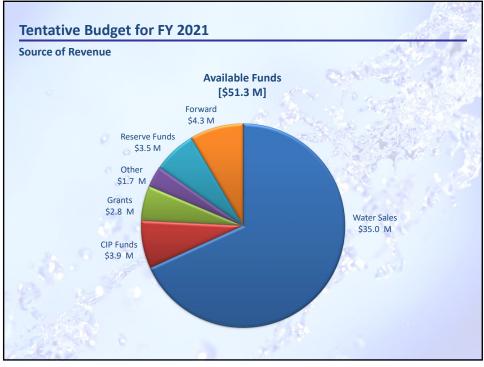


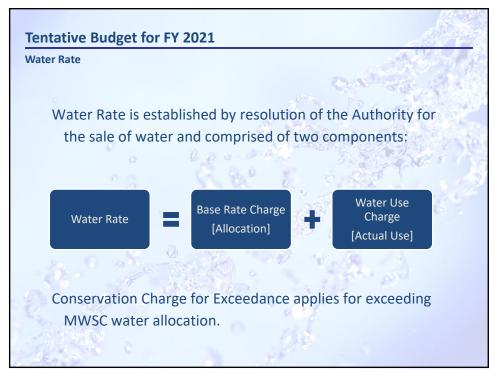
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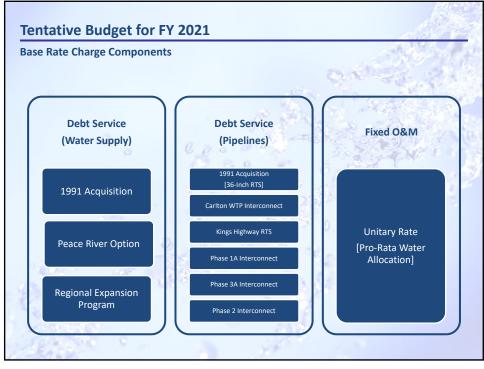
oposed Tentative Budget	:	25	15.00
	FY 2020 Budget	FY 2021 Tentative Budget	Increase/ (Decrease)
Total Enterprise Fund	\$ 61,859,484	\$ 51,267,201	(\$ 10,592,283)
0	1995	2-33 ²⁰¹	63. 8
Administrative Office Facilities	\$ 457,960 \$ 61,401,524	\$ 483,176 \$ 50,784,025	\$ 25,216 (\$ 10,617,499)
		200	

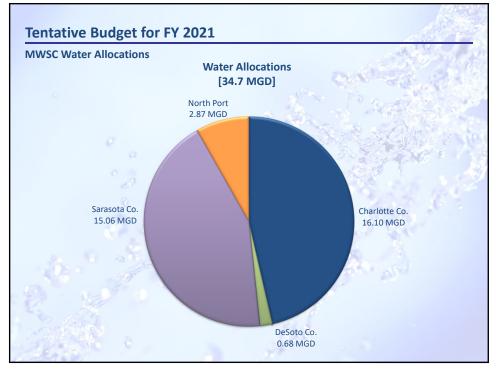


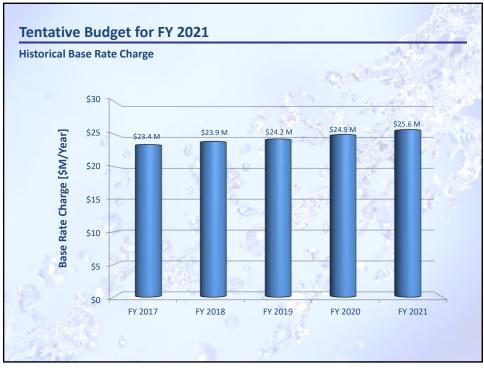


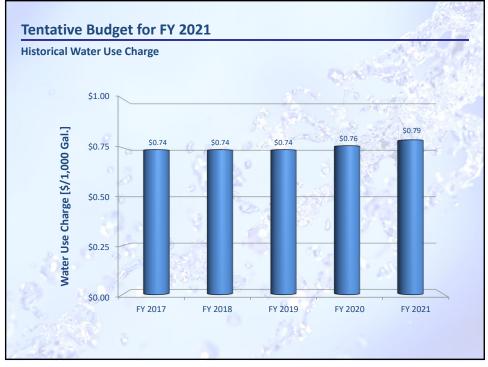












posed Water Rate		-	
Customer Water Rate	FY 2020 Budget	FY 2021 Tentative Budget	Increase/ (Decrease)
Daca Data Charge	0.00.00	March Street	
<u>Base Rate Charge</u> (\$ for FY)	0 0	5 8.18	
Charlotte Co.	\$ 9,659,088	\$ 10,008,852	\$ 349,764
DeSoto Co	\$ 511,467	\$ 526,413	\$ 14,946
• Manatee Co.	\$ 43,712	\$ 43,712	\$ 0
Sarasota Co.	\$ 12,271,797	\$ 12,598,844	\$ 327,047
North Port	\$ 2,414,739	<u>\$ 2,476,498</u>	<u>\$ 61,759</u>
	\$ 24,900,803	\$ 25,654,319	\$ 753,516
Water Use Charge			
(\$/1,000 Gal)	\$ 0.76	\$ 0.79	\$ 0.03

posed Member Fee		24	
Member Fee	FY 2019 Budget	FY 2020 Tentative Budget	Increase/ (Decrease)
Member Fee (\$ for FY) • Charlotte Co. • DeSoto Co. • Manatee Co. • Sarasota Co.	\$ 79,029 \$ 52,541 \$ 116,120 <u>\$ 123,470</u> \$ 371,160	\$ 82,310 \$ 54,647 \$ 121,104 <u>\$ 128,447</u> \$ 386,508	(\$ 3,954) (\$ 2,741) (\$ 5,072) <u>(\$ 6,273)</u> (\$ 18,040)
		2 0 C	

Management & P	lanning F	Projects
Project	FY 2021 Budget	Purpose
Water Advocacy/ One Water Initiative	\$25,000	SWFWMD Cooperative Funding Agreement for Phase 1 Regional Interconnect [2016] stipulates the Authority to develop and implement a holistic concept of "One Water Initiative" advocating the concept of integrated water management.
Polk Regional Water Cooperative Coordination	\$25,000	The Authority and Polk Regional Water Cooperative entered into the "Peace River Interloca Cooperation Agreement" [2019] to further coordination between the Authority and the Cooperative regarding their respective projects on the Peace River and its tributaries. The agreement provides for: (1) Working together to protect the Peace River and its tributaries, (2) Develop operating protocol, (3) Modeling and analysis of the Peace River flow, (4) Work together with SWFWMD for the determination of MFL, and (5) Continuing development of interlocal strategies.
Regional Water Supply Feasibility Planning	\$575,000	 Feasibility Study Projects Cooperatively Funded by SWFWMD Peace River Reservoir No. 3 (PR3) Siting and Feasibility Study. Regional Loop 2B & 2C Routing and Feasibility Study. Regional Loop 3C Routing and Feasibility Study.
Total	\$625,000	P 57



Member/Customer Planning Assessment	FY 2020 Budget	FY 2021 Tentative Budget	Increase/ (Decrease)
	0.00.0	a series	
<u>sessment</u> for FY)	8 9.0	1 . A. B.	
Charlotte Co.	\$ 57,15	\$ 109,947	\$ 52,796
DeSoto Co.	\$ 10,763	\$ 20,484	\$ 9,721
Manatee Co.	\$ 122,107	\$ 235,410	\$ 113,303
Sarasota Co.	\$ 123,470	\$ 216,172	\$ 102,275
North Port	\$ 21,082	\$ 42,987	\$ 21,905
	\$ 325,000	\$ 625,000	\$ 300,000







 TAB B

 FY 2021 Proposed Tentative Budget Analysis

BUDGET C	BUDGET COST ANALYSIS						
Enterprise Fund		FY 2020		FY 2021			
		Approved		Proposed		Variance +/-	
AVAILABLE FUNDS							
Water Sales	\$	34,010,403	\$	34,961,149	\$	950,746	
Member Fee	\$	371,160	\$	386,508	\$	15,348	
Customer Planning Assessment	\$	325,000	\$	625,000	\$	300,000	
Subtotal		34,706,563	\$	35,972,657	\$	1,266,094	
					1		
Estimated Unencumbered Funds from Prior Year	\$	4,045,321	\$	4,345,125	\$	299,804	
Federal Direct Payment	\$	578,300	\$	578,300	\$	-	
Interest Income	\$	40,000	\$	40,000	\$	-	
Rent Income	\$	86,800	\$	96,668	\$	9,868	
Reserve Accounts	\$	2,842,500	\$	3,500,000	\$	657,500	
CIP Fund	\$	9,040,000	\$	3,885,226	\$	(5,154,775)	
Grants	\$	10,520,000	\$	2,849,226	\$	(7,670,775)	
Total Sources	\$	61,859,484	\$	51,267,201	\$	(10,592,283)	
EXPENDITURES							
Insurances	\$	537,500	\$	618,000	\$	80,500	
Personnel	\$	5,698,200	\$	6,017,708	\$	319,508	
Utilities	\$	2,746,500	\$	2,836,000	\$	89,500	
Operating Supplies	\$	115,000	\$	115,000	\$	-	
Water Treatment Chemicals	\$	6,198,000	\$	6,306,830	\$	108,830	
Repairs & Maintenance	\$	1,956,200	\$	2,067,500	\$	111,300	
Machinery & Equipment	\$	263,000	\$	252,500	\$	(10,500)	
Contract Services	\$	2,275,600	\$	2,330,500	\$	54,900	
General Administration	\$	390,000	\$	459,000	\$	69,000	
Subtotal	\$	20,180,000	\$	21,003,038	\$	823,038	
Debt Service	\$	11,134,325	\$	11,137,249	\$	2,924	
County Payments	\$	2,772,338	\$	2,772,338	\$	0	
Contingencies	\$	500,000	\$	500,000	\$	-	
Transfer to R&R Account	\$	2,200,000	\$	3,000,000	\$	800,000	
Transfer to CIP	\$	1,000,000	\$	1,000,000	\$	-	
Transfer to Utility Reserve Fund	\$	250,000	\$		\$	(250,000)	
Transfer to Disaster Recovery Reserve Fund	\$	-	\$	150,000	\$	150,000	
Water Purchase	\$	-	\$	-	\$	-	
Projects	\$	22,477,500	\$	10,359,451	\$	(12,118,049)	
Fund Disbursements	\$	1,345,321	\$	1,345,125	\$	(196)	
Total Uses	\$	61,859,484	\$	51,267,201	\$	(10,592,283)	

TAB C FY 2021 Proposed Water Rate and Charges Analysis

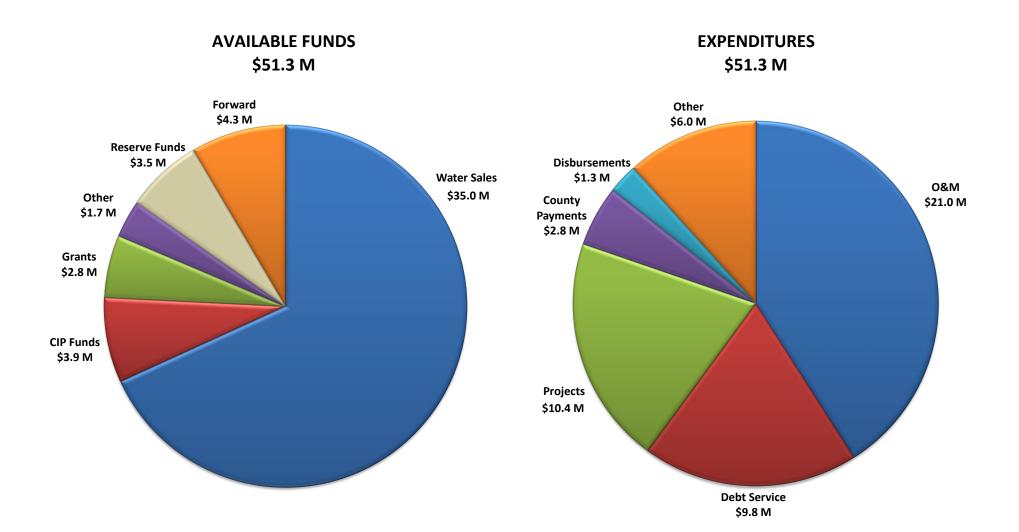
WA	TER RATE AND C	CHA	RGES ANALYSIS				
Fixed Charges		Γ	FY 2020		FY 2021		Marianaa . /
Tixed charges			Approved		Proposed		Variance +/-
Charlotte County							
Base Charge		\$	9,659,088	\$	10,008,852	\$	349,764
Member Contribution		\$	79,029		82,310		3,281
Planning Assessment		\$	57,151	\$	109,947	\$	52,796
0	Subtotal		9,795,268	· · · · ·	10,201,109		405,841
DeSoto County			544.465				
Base Charge		\$	511,467	1 Co.	526,413	\$	14,946
Member Contribution		\$	52,541		54,647	~	2,106
Planning Assessment		\$	10,763		20,484		9,721
	Subtotal	\$	574,771	\$	601,544	\$	26,773
Manatee County							
Base Charge		\$	43,712	\$	43,712	\$	(0
Member Contribution		\$	116,120	\$	121,104		4,984
Planning Assessment		\$	122,107		235,410	\$	113,303
	Subtotal		281,939	\$	400,225	\$	118,286
Sarasota County							
Base Charge			12 274 707		12 500 044		
Member Contribution		\$	12,271,797	\$	12,598,844	\$	327,047
		\$	123,470	\$	128,447	\$	4,977
Planning Assessment	Subtotal	\$ \$	113,897 12,509,164	\$ \$	216,172 12,943,463	\$ \$	102,275 434,299
		Ť	12,505,101	Ŷ	12,343,403	Ŷ	434,233
City of North Port							
Base Charge		\$	2,414,739	\$	2,476,498	\$	61,759
Member Contribution		\$	-	\$		\$	-
Planning Assessment		\$	21,082	\$	42,987	\$	21,905
	Subtotal	\$	2,435,821	\$	2,519,485	\$	83,664
Enterprise Fund							
Base Charge		\$	24,900,803	\$	25 654 210	ć	753 540
Member Contribution		\$	371,160		25,654,319	\$ \$	753,516
Planning Assessment		ć	371,100		386,508 625,000		15,348
	Total	\$ \$	25,596,963	\$	26,665,827	ې \$	300,000 1,068,864
			FY 2020		FY 2021		
Variable Charges			Approved		Proposed	'	Variance +/-
Water Use Rate Charge			1				894
\$/1,000 gallons			\$0.76		\$0.79		\$0.03

TAB D FY 2021 Proposed Tentative Budget



DRAFT BUDGET for FY 2021

[May 11, 2020]



Draft Budget May 11, 2020

AVAILABLE FUNDS		Administrative Office	Facilities	Total Enterprise Fund
Revenue				
Water Sales			34,961,149	34,961,149
Member Fee		386,508	, ,	386,508
Planning Assessment		,	625,000	625,000
Anticipated interest			40,000	40,000
Federal Direct Payment [2010B Bond Series]			578,300	578,300
Rent Income [including CAM]		96,668		96,668
	Subtotal	483,176	36,204,449	36,687,625
Grants				
State Grant Funds			-	-
SWFWMD Grant Funds			2,849,226	2,849,226
	Subtotal		2,849,226	2,849,226
Reserve Accounts				
Transfer from R&R Reserve Account			3,000,000	3,000,000
Transfer from Rate Stabilization	_		500,000	500,000
	Subtotal		3,500,000	3,500,000
CIP Fund				
CIP Project Funds			3,885,226	3,885,226
Punta Gorda Payment			-	-
	Subtotal		3,885,226	3,885,226
Funds Brought Forward				
Carry Forward from FY2020			3,000,000	3,000,000
Funds Brought Forward for Disbursement	с. I. I. I.		1,345,125	1,345,125
	Subtotal	-	4,345,125	4,345,125
Total Funds Available		483,176	50,784,025	51,267,201

EXPENDITURES		Administrative Office	Facilities	Total Enterprise Fund
OPERATION & MAINTENANCE				
Insurances				
Property/Liability/Workmen's Compensation			575,000	575,000
Auto			35,000	35,000
Public Officials Liability		8,000		8,000
	Subtotal	8,000	610,000	618,000
Personnel				
Administration		445,965	356,885	802,850
Facility Operations/Maintenance/Technical Services			3,095,486	3,095,486
	Subtotal	445,965	3,452,371	3,898,336
Benefits				
FICA Taxes		34,116	258,241	292,357
Fla. Retirement System		83,755	369,078	452,833
Health Insurance		137,781	1,236,400	1,374,181
	Subtotal	255,653	1,863,719	2,119,372
Utilities				
Electric Power		12,000	2,700,000	2,712,000
Diesel Fuel			20,000	20,000
Vehicle Fuel		5,000	40,000	45,000
Telephone		2,000	57,000	59,000
	Subtotal	19,000	2,817,000	2,836,000
Operating Supplies				
General Operations			45,000	45,000
Laboratory Supplies	_		70,000	70,000
	Subtotal	-	115,000	115,000
Water Treatment Chemicals				
Aluminum Sulfate			2,105,114	2,105,114
Sodium Hydroxide			1,490,204	1,490,204
Carbon			1,710,000	1,710,000
Coagulant Aid			178,293	178,293
Sodium Hypochlorite			661,200	661,200
Aqua Ammonia			70,040	70,040
Copper Sulfate	 -		91,979	91,979
	Subtotal		6,306,830	6,306,830

	Administrative		Total
EXPENDITURES	Office	Facilities	Enterprise Fund
Repairs & Maintenance			
Water Treatment Facilities		912,000	912,000
Water Resources		555,000	555,000
Land Management		402,000	402,000
Regional Transmission System		147,000	147,000
Vehicle Fleet Maintenance	2,000	49,500	51,500
Subtotal	2,000	2,065,500	2,067,500
Machinery & Equipment			
Machinery & Equipment		252,500	252,500
Contract Services			
Annual Audit	4,000	30,000	34,000
Engineering Services - General		200,000	200,000
Hydrogeological Services		200,000	200,000
Environmental Services		85,000	85,000
Rate Consulting Services		50,000	50,000
Information/Technology Services	20,000	60,000	80,000
Reservoir Permit Monitoring		275,000	275,000
Equipment Rental	5,000	50,000	55,000
Legal Services	25,000	250,000	275,000
Legislative Monitoring Services		60,000	60,000
Off-Site Treatment Residual Hauling and Disposal		300,000	300,000
Outside Lab Services - Drinking Water/ASR/EPA		125,000	125,000
Watershed Programs/Monitoring/Protection [HBMP, MFL, Stewardship]		500,000	500,000
Charlotte Harbor NEP		3,500	3,500
Uniforms		18,000	18,000
Contract Services - Other	15,000	55,000	70,000
Subtotal	69,000	2,261,500	2,330,500

EXPENDITURES	Administrative Office	Facilities	Total Enterprise Fund
General Administration			
Office Maintenance/Improvements	5,000	5,000	10,000
Administrative Office Common Area Maintenance	38,000		38,000
Advertising	3,500	8,000	11,500
Software	4,000	60,000	64,000
Office Supplies	5,000	30,000	35,000
Postage/Shipping	1,000	8,000	9,000
Books, Dues, Subs & Memberships	8,000	20,000	28,000
Training	2,000	2,000	4,000
Professional Development/Cont. Education	10,000	30,000	40,000
Mileage/Travel Reimbursement	15,000	35,000	50,000
Public Outreach/Education Programs/Website	55,000	65,000	120,000
Misc. Fees [permits, registrations, licenses, certifications, bank charges]	14,500	35,000	49,500
Subtotal	161,000	298,000	459,000
Total - Operations & Maintenance	960,618	20,042,420	21,003,038

		Administrative		Total
EXPENDITURES		Office	Facilities	Enterprise Fund
NON-OPERATION & MAINTENANCE				
Annual Debt Service				
2010A Bond Series			591,300	591,300
2010B Bond Series			1,892,111	1,892,111
2014 Bond Series			4,534,771	4,534,771
2015 Bond Series			2,526,750	2,526,750
2019 Series Note		247,322		247,322
	Subtotal	247,322	9,544,932	9,792,254
County Payments				
Capital Component Charge			1,971,557	1,971,557
DeSoto Payment			796,000	796,000
North Port Payment to Charlotte			4,781	4,781
	Subtotal		2,772,338	2,772,338
Other Rate Related Expenditures				
Contribution to R&R Reserve			3,000,000	3,000,000
Transfer to CIP			1,000,000	1,000,000
Transfer to Utility Reserve Fund			-	-
Disaster Recovery Reserve			150,000	150,000
Contingencies			500,000	500,000
Water Purchase			-	-
Debt Service Coverage Fund			1,344,995	1,344,995
Administrative Costs		(724,764)	724,764	-
	Subtotal	(724,764)	6,719,759	5,994,995
Total Rate Related Expenditures		483,176	39,079,449	39,562,625

EXPENDITURES		Administrative Office	Facilities	Total Enterprise Fund
NON-RATE RELATED EXPENDITURES				-
Projects				
CIP Projects			6,159,451	6,159,451
Renewal & Replacement Projects			3,000,000	3,000,000
Management & Planning Projects			1,200,000	1,200,000
	Subtotal		10,359,451	10,359,451
Fund Disbursements				
Charlotte County			268,734	268,734
DeSoto County			33,747	33,747
Sarasota County			889,187	889,187
North Port			153,457	153,457
	Subtotal		1,345,125	1,345,125
Total Non-Rate Related Expenditures			11,704,576	11,704,576
Total Expenditures		483,176	50,784,025	51,267,201

DEBT SERVICE

		Cost	Percent
Bond Series	1	Allocation	Allocation
2010A Bond Series			
REP Facility	\$	591,300	
2010B Bond Series			
RTS - Phase 2 Pipeline	\$	675,673	35.71%
RTS - Phase 3A Pipeline	\$	1,216,438	64.29%
Subtota	ıl \$	1,892,111	100.00%
Tota	ıl \$	2,483,411	
2014A Bond Series			
REP Facility (includes 20-Inch RTS)	\$	1,512,774	86.99%
REP Oversized Payment	\$	60,518	3.48%
Bank of America Loan	\$	165,729	9.53%
Subtota	ıl \$	1,739,021	100.00%
2014B Bond Series			
REP Facility (includes 20-Inch RTS)	\$	2,432,023	86.99%
REP Oversized Payment	\$	97,292	3.48%
Bank of America Loan	\$	266,435	9.53%
Subtota	ıl \$	2,795,750	100.00%
Tota	ıl \$	4,534,771	
	-	-	
2015 Bond Series			
PRO Facility	\$	1,800,971	71.28%
PRO Oversized Payment	\$	154,481	6.11%
42-inch RTS Pipeline	\$	559,170	22.13%
24-inch RTS Pipeline	\$	12,128	0.48%
Tota	ıl \$	2,526,750	100.00%
Total Debt Service (Facilities)	\$	9,544,932	

2019	9 Series Note (Adminitrative Office)	\$ 247,322	2

2010A BOND SERIES

Customer Debt Service Percentages	
Customer	2010A Bond Series
Customer	REP Facility
Charlotte County	0.00%
DeSoto County	1.11%
Sarasota County	84.79%
City of North Port	14.10%
Total	100.00%
Customer Debt Service Cost	
	2010A Bond Series
Customer	REP Facility
Charlotte County	۲۵۲ ۲۵۵۱۱۱۲۶ خ
Chanolle County	Ş -
	¢ 6.562
DeSoto County	\$ 6,563 \$ 501 363
DeSoto County Sarasota County City of North Port	\$ 6,563 \$ 501,363 \$ 83,373

2010B BOND SERIES

Customer Debt Service Percentages				
		20	10B Bond Series	2010B Bond Series
Customer			RTS	RTS
		Р	hase 2 Pipeline	Phase 3A Pipeline
Charlotte County			0.00%	0.00%
DeSoto County			0.00%	0.00%
Sarasota County			0.00%	100.00%
City of North Port			100.00%	0.00%
	Total		100.00%	100.00%
Customer Debt Service Cost				
Customer Debt Service Cost				
	Debt	20	10B Bond Series	2010B Bond Series
Customer	Service		RTS	RTS
	Cost	Р	hase 2 Pipeline	Phase 3A Pipeline
Charlotte County	\$ -	\$	-	\$ -
DeSoto County	\$ -	\$	-	\$ -
Sarasota County	\$ 1,216,438	\$	-	\$ 1,216,438
City of North Port	\$ 675,673	\$	675,673	\$ -
Total	\$ 1,892,111	\$	675,673	\$ 1,216,438
Federal Direct Payment [2010B Bond Series]				
		20	10B Bond Series	2010B Bond Series
Customer	Federal		RILS	RILS
	Subsidy		Phase 2	Phase 3A
Charlotte County	\$ -	\$	-	\$ -
DeSoto County	\$ -	\$	-	\$ -
Sarasota County	\$ (371,789)	\$	-	\$ (371,789)
City of North Port	\$ (206,511)	\$	(206,511)	\$ -
Total	\$ (578,300)	\$	(206,511)	\$ (371,789)

2014 BOND SERIES

Customer Debt Service Percentages								
						REP		
Customer				REP		Oversized		Bank of
				Facility		Payment		America Loan
Charlotte County				27.21%		0.00%		27.21%
DeSoto County				0.81%		1.10%		0.81%
Sarasota County				61.72%		85.62%		61.72%
City of North Port				10.26%		13.28%		10.26%
		Total		100.00%		100.00%		100.00%
Customer Deht Service Cost					•			
Customer Debt Service Cost		Debt				REP		
Customer Debt Service Cost				REP		REP Oversized		Bank of
		Debt		REP Facility				Bank of America Loan
Customer	\$	Debt Service	\$		\$	Oversized	\$	
Customer Charlotte County	\$	Debt Service Cost		Facility	\$ \$	Oversized	\$ \$	America Loan
Customer Charlotte County DeSoto County	\$ \$ \$	Debt Service Cost 1,190,971	\$	Facility 1,073,379		Oversized Payment -	\$ \$ \$	America Loan 117,592
Customer Debt Service Cost Customer Charlotte County DeSoto County Sarasota County City of North Port	\$ \$ \$	Debt Service Cost 1,190,971 37,189	\$ \$	Facility 1,073,379 31,953	\$	Oversized Payment - 1,736	\$	America Loan 117,592 3,501

2015 BOND SERIES

Customer Debt Service Percentages									
					PRO				
Customer			PRO		Oversized		42-inch		24-inch
			Facility		Payment		RTS Pipeline		RTS Pipeline
Charlotte County			33.33%		0.00%		0.00%		0.00%
DeSoto County			8.33%		12.50%		0.00%		100.00%
Sarasota County			58.34%		87.50%		100.00%		0.00%
City of North Port			0.00%		0.00%		0.00%		0.00%
	Total		100.00%		100.00%		100.00%		100.00%
Customer Debt Service Cost	Debt				PRO	1		1	
Customer	Service		PRO		Oversized		42-inch		24-inch
customer	Cost		Facility		Payment		RTS Pipeline		RTS Pipeline
Charlotte County	\$ 600,264	\$	600,264	\$	-	\$	-	\$	-
DeSoto County	\$ 181,459	\$	150,021	\$	19,310	\$	-	\$	12,128
Sarasota County	\$ 1,745,027	\$	1,050,687	\$	135,171	\$	559,170	\$	-
City of North Dort	A	ć	_	Ś	_	Ś	-	Ś	_
City of North Port	Ş -	Ş	-	Ŷ		Ŷ		Ŷ	

CAPITAL COMPONENT CHARGE

Capital Component Charge						
		Capital Component Charge		Percent Allocation		
Debt to Charlotte County		0 -				
1991 Facility	\$	1,664,191		84.41%		
36-inch RTS	\$	307,366		15.59%		
Total		1,971,557		100.00%		
Cost Allocation Percentages						
				1991		36-inch
				Facility		RTS Pipeline
Charlotte County				89.65%		89.65%
DeSoto County				0.42%		0.42%
Sarasota County				0.00%		0.00%
City of North Port				9.93%		9.93%
		Total		100.00%		100.00%
Capital Component Charge Cost	1	Consisted				
		Capital		1001		
		Component		1991 5		36-inch
Charlette Country	<u>,</u>	Chare	ć	Facility	ć	RTS Pipeline
Charlotte County	\$	1,767,501	\$		\$	275,553
DeSoto County	\$	8,281	\$	6,990	Ş	1,291
Sarasota County	\$	-	\$	-	Ş	-
City of North Port	\$	195,776	\$	165,254	\$	30,521
Total	\$	1,971,557	\$	1,664,191	\$	307,366

RENEWAL AND REPLACEMENT RESERVE ACCOUNT EXPENDITURES

Item			
No.	Renewal & Replacement Projects	F	Y 2021
1	Treatment Processes		1,270,000
2	Reservoirs & Raw Water Pumping		675,000
3	ASR Wells & Monitoring Systems		700,000
4	Roads & Grounds		-
5	General Buildings		-
6	Transmission Systems and Remote Sites		65,000
7	SCADA, IT & Communications		140,000
8	Security		150,000
	Total	\$	3,000,000

CAPITAL IMPROVEMENT PROGRAM

Funded CIP Projects

			Source of Funds					
Item		FY 2021		CIP	SWFWMD	State	Punta Gorda	
No.	CIP Project	Expenditures		Funds	Grant Funds	Grant Funds	Payment	FY 2021 Total
1	Regional Integrated Loop - Phase 3B [S.R. 681 to Clark Road]	4,548,451		2,274,226	2,274,226	-	-	4,548,451
2	Facility Improvements - Filter Covers	1,611,000		1,611,000	-	-	-	1,611,000
	Total	\$ 6,159,451	\$	3,885,226	\$ 2,274,226	\$-	\$-	\$ 6,159,451

MANAGEMENT & PLANNING PROJECTS

Item		FY 2021	Funds Brought	Other	FY 2021
No.	Planning Projects	Expenditure	Forward	Funding	Assessment
1	Water Advocacy/One Water Initiative	25,000	-	-	25,000
2	Polk Regional Water Cooperative Coordinating Committee	25,000	-	-	25,000
3	Regional Loop 2B & 2C Routing and Feasibility Study	200,000	-	100,000	100,000
4	Regional Loop 3C Routing and Feasibility Study	200,000	-	100,000	100,000
5	Peace River Reservoir No. 3 (PR ³) Siting and Feasibility Study	750,000	-	375,000	375,000
	Total	\$ 1,200,000	\$-	\$ 575,000	\$ 625,000

SYSTEM-WIDE BENEFIT CIP PROJECT CONTRIBUTION ALLOCATION

10/01/2020 to 09/30/2021

Cost Allocation			
[Annual costs to be allocated]		Annual Cost	Allocation (1)
		Filter Cover Project	Partially Treated
		,	Water ASR Project
	Total	(2)	(3)
Charlotte County	443,728	231,988	211,739
DeSoto County	18,582	9,726	8,856
Manatee County	43,712	-	43,712
Sarasota County	415,017	217,003	198,014
City of North Port	78,962	41,282	37,679
Total	\$ 1,000,000	\$ 500,000	\$ 500,000

(1) Annual Cost Allocation included in Base Rate Charge.

(2) Cost Allocation Pro-Rate Existing Water Allocation.

(3) Cost Allocation Pro-Rate Forecast Water Allocation.

Water Allocation						
	Existing Water	r Allocation (4)	Forecast Water Allocation (5)			
	Water Allocation	Water Allocation	Water Allocation	Water Allocation		
	[MGD]	[Percentage]	[MGD]	[Percentage]		
Charlotte County	16.100	46.40%	24.220	42.35%		
DeSoto County	0.675	1.95%	1.013	1.77%		
Manatee County	0.000	0.00%	5.000	8.74%		
Sarasota County	15.060	43.40%	22.650	39.60%		
City of North Port	2.865	8.26%	4.310	7.54%		
Total	34.700	100.00%	57.193	100.00%		

(4) Peace River/Manasota Regional Water Supply Authority Master Water Supply Contract - Exhibit B 'Water Allocations'.

(5) Forecast of Potential Water Allocation for 2040 for cost allocation calculation [does not represent contracted allocation or obligation].

WATER RATE [Authority Customers]

10/01/2020 to 09/30/2021

Total Base Rate Charge

\$ 25,654,319

Total Monthly Water Charge to Customers				
Charge per Month]				
	Monthly Charge - Base F	e Charge + (Water Use Charge x Actual	Water Delivered)	
	Monthly charge - base i	e enarge : (Water ose enarge x retau	Water Benvereuf	
Base Rate Charge				
Annual costs to be allocated]				
	Totals			
Non-Capital Cost Component				
Fixed O & M Cost Component	10,735,590			
Contribution to R & R Reserve	3,000,000			
Contingencies	500,000			
ransfer to Utility Reserve Fund	500,000			
Fransfer to Disaster Recovery Reserve	150,000			
Fransfer to Administrative Fund	724,764			
Projected Interest Earned	(40,000)			
•				
Transfer from Rate Stabilization Reserve	(500,000)			
Funds Brought Forward	(3,000,000)			
Sub-Total Non-Capital Cost Component	\$ 11,570,354			
Nater Purchase	0			
Fotal Non-Capital Cost Component	\$ 11,570,354			
iotal Non-Capital Cost Component	\$ 11,570,554			
Debt Service Cost				
2010A Bonds	591,300			
2010B Bonds	1,892,111			
2014 Bonds	4,534,771			
2015 Bonds	2,526,750			
Fotal Debt Service	\$ 9,544,932			
Debt Service Coverage Payments	\$ 1,344,995			
Selvice coverage rayments	÷ 1,344,555			
Debt Service Contributions				
ederal Direct Payment [2010B Bonds]	\$ (578,300)			
	· · · · · · · · · · · · · · · · · · ·			
County Payments				
Capital Component Charge	1,971,557			
DeSoto Payment	796,000			
North Port Payment to Charlotte	4,781			
Fotal County Payments	\$ 2,772,338			
oral county rayments	<i>4 2,112,330</i>			
System-Wide CIP Contribution				
Fransfer out to CIP	1,000,000			
	1,000,000			

Annual Base Rate Charge By Customer												
		Non-Capital					Debt Service	Federal	Capital		North Port	System-Wide
		Cost					Coverage	Subsidy	Component	DeSoto	Payment to	CIP
	Total	Component	2010A Bonds	2010B Bonds	2014 Bonds	2015 Bonds	Payment	2010B Bonds	Charge	Payment	Charlotte	Contribution
Charlotte County	10,008,852	5,368,377	-	-	1,190,971	600,264	268,685	-	1,767,501	369,326	-	443,728
DeSoto County	526,413	225,072	6,563	-	37,189	181,459	33,782	-	8,281	15,484	-	18,582
Manatee County	43,712	-	-	-	-	-	-	-	-	-	-	43,712
Sarasota County	12,598,844	5,021,600	501,363	1,216,438	2,836,577	1,745,027	889,142	(371,789)	-	345,469	-	415,017
City of North Port	2,476,498	955,304	83,373	675,673	470,033	-	153,385	(206,511)	195,776	65,722	4,781	78,962
Total	\$ 25,654,319	\$ 11,570,354	\$ 591,300	\$ 1,892,111	\$ 4,534,771	\$ 2,526,750	\$ 1,344,995	\$ (578,300)	\$ 1,971,557	\$ 796,000	\$ 4,781	\$ 1,000,000
Monthly Base Rate Charge By Customer												
Charlotte County	834,071											
DeSoto County	43,868											
Manatee County	3,643											
Sarasota County	1,049,904											
City of North Port	206,375											
Total	\$ 2,137,860											

Water Use Charge							
[Charge per 1,000 gallons]							
	Total						
Water Use Rate Charge	\$0.79						

Master Water Supply Contract Water Allo	cation
Million Gallons Per Day [MGD]	Annual
,	Average
	Daily
	[MGD]
Charlotte County	16.100
DeSoto County	0.675
Manatee County	0.000
Sarasota County	15.060
City of North Port	2.865
Total	34.700

MEMBER FEE

10/01/2020 to 09/30/2021

Contribution Amount to be Derived				
		Totals		
Administrative Office Authority Support		\$ 483,176		
Projected Interest Earned		\$ -		
Rental Income		\$ (96,668)		
	Amount to be Derived	\$ 386,508		
Population Basis				
		*Population	% of Total	
		4/1/2019	Population	
	Charlotte County	180,843	17.59%	
	DeSoto County	33,693	3.28%	
	Manatee County	387,206	37.67%	
	Sarasota County	426,269	41.47%	
	Total	1,028,011	100.00%	
Weighted Contribution				
-		Base	Pro Rated	
		Contribution	Share	
	Charlotte County	\$ 48,314	\$ 33,996	\$ 82,310
	DeSoto County	\$ 48,314	\$ 6,334	\$ 54,647
	Manatee County	\$ 48,314	\$ 72,790	\$ 121,104
	Sarasota County	\$ 48,314	\$ 80,134	\$ 128,447
	Total Weighted Contribution			\$ 386,508

Member Contribution Formula:

Base Contribution = 1/2 amount to be derived divided by 4

Pro rated share = 1/2 amount to be derived times % of Population

* Source: 'Florida Estimates of Population 2019' [Bureau of Economic and Business Research; University of Florida, April 1, 2019]

PLANNING ASSESSMENT

10/01/2020 to 09/30/2021

Planning Assessments	i				
Annual costs to be allocated]			ent Allocation (1)		
	Total	Water Advocacy/One Water Initiative	Polk Regional Water Cooperative Coordinating Committee	Regional Water Supply Feasibility Planning	
Charlotte Coun	ty 109,947	4,398	4,398	101,151	
DeSoto Coun	ty 20,484	819	819	18,846	
Manatee Coun	ty 235,410	9,416	9,416	216,577	
Sarasota Coun	ty 216,172	10,366	8,575	197,230	
City of North Po	rt 42,987	-	1,791	41,196	
Tot	al \$ 625,000	\$ 25,000	\$ 25,000	\$ 575,000	

(1) Planning Assessment invoiced on October 1, 2019.

(2) Plannng Assessment Allocation Pro-Rata Population.

Population		
	*Population	Population
	4/1/2019	[Percentage]
Charlotte County	180,843	17.59%
DeSoto County	33,693	3.28%
Manatee County	387,206	37.67%
Sarasota County	352,617	34.30%
City of North Port	73,652	7.16%
Total	1,028,011	100.00%

INTERCONNECT WATER CHARGE [GOVERNMENT RATE]

10/01/2020 to 09/30/2021

Water Charge to Municipalities Interconnected to Regional	Transmission Sys	tem
[Charge per 1,000 Gallons]		
Water Rate		
[Charge per 1,000 Gallons]		
		Water Rate Charge in \$/1,000 gallons metered water delivery for cumulative delivery to all interconnects up to quantity identified as
	\$3.30	'Available from Pool' in the Redistribution Pool for the current fiscal year.
		Water Rate Charge in \$/1,000 gallons metered water delivery for cumulative delivery to all interconnects in excess of the quantity identified as
	\$6.60	'Available from Pool' in the Redistribution Pool for the current fiscal year.

Revenue received from these water sales will, at the discretion of the Authority Board, be applied as a credit toward the obligations of the Authority Customers apportioned to each of their allocations to the 'Available from Pool' in the Redistribution Pool for the current fiscal year. Water rate for emergency use unless Interlocal Agreement provides alternative water rate.

REDISTRIBUTION POOL

10/01/2020 to 09/30/2021

Redistribution Pool Water Quantities

Redistribution Foor Water Quantities						
	(1) Water	(2) New Water	Total Contracted	(3) Available for	Requested from	(4) Budget
	Allocation	Supply	Allocation	Pool	Pool	Allocation
	[MGD]	[MGD]	[MGD]	[MGD]	[MGD]	[MGD]
Charlotte County	16.100	0.000	16.100	1.500	0.000	16.100
DeSoto County	0.675	0.000	0.675	0.000	0.000	0.675
Sarasota County	15.060	0.000	15.060	2.400	0.000	15.060
City of North Port	2.865	0.000	2.865	0.000	0.000	2.865
Total	34.700	0.000	34.700	3.900	0.000	34.700

edistribution Pool Water Base Rate Charge Adjustment				
		Annual		
	Annual Cost	Unit Cost		
	[\$/Year]	[\$/MGD]		
Peace River Facility REP Debt Service	5,126,071	348,712		
Non-Capital Component	11,570,354	333,440		
DeSoto Payment	796,000	22,939		
Redistribution Pool Water Base Rate		\$ 705,091		

(1) Peace River/Manasota Regional Water Supply Authority Master Water Supply Contract - Exhibit B 'Water Allocations' (Peace River Facility water allocations).

(2) Peace River/Manasota Regional Water Supply Authority Master Water Supply Contract - Exhibit C 'New Water Supply Demands'.

(3) Pool water based on Customer submittals (January 2020).

(4) Total annual average water allocated for FY 2021 budget.

Redistribution Pool Base Rate Charge Adjustment	by Customer				
	Annual Base Rat	Annual Base Rate Adjustment		Monthly Base Rate Adjustment	
	To Pool	From Pool	To Pool	From Pool	
Charlotte County	0	0	0	0	
DeSoto County	0	0	0	0	
Sarasota County	0	0	0	0	
City of North Port	0	0	0	0	
Total	\$0	\$0	\$0	\$0	

TAB E Historical Expenditures Comparison

		Actual Expended FY 2018	Actual Expended FY 2019	Current Budget FY 2020	Requested FY 2021	FY 2021 Budget Inc/(Dec)
GENERAL OPERATIONS & MAINTENANCE						
Insurances						
Property/Liability/Workmen's Compensation						
Public Officials Liability		7,171	7,474	7,500	8,000	500
Auto						
	Subtotal	7,171	7,474	7,500	8,000	500
Personnel Services						
Administrative		320,822	338,878	433,800	445,965	12,165
Operators						
	Subtotal	320,822	338,878	433,800	445,965	12,165
Benefits Group						
FICA Taxes		21,498	22,081	33,200	34,116	916
Fla. Retirement System		54,848	61,682	74,200	83,755	9,555
Health Insurance		82,841	86,605	137,800	137,781	(19)
	Subtotal	159,187	170,368	245,200	255,653	10,453
Utilities Group						
Electric Power		6,340	9,589	10,000	12,000	2,000
Diesel Fuel					0	
Vehicle Fuel		3,415	3,679	5,000	5,000	0
Telephone		397	807	2,000	2,000	0
	Subtotal	10,151	14,075	17,000	19,000	2,000
Operating Supplies						
General Operations						
Laboratory	• • • • •		-	-	-	
	Subtotal	0	0	0	0	0
Water Treatment Chemicals						
Aluminum Sulfate						
Sodium Hydroxide						
Carbon						
Aqua Ammonia						
Coagulant Aid [water treatment]						
Copper Sulfate/Potassium Permanganate						
Sodium Hypochlorite	Subtatal	0	0	0	0	0
	Subtotal	Ű	U	Ű	U	0

	Actual	Actual	Current		FY 2021
	Expended FY 2018	Expended FY 2019	Budget	Requested	Budget
			FY 2020	FY 2021	Inc/(Dec)
Repairs & Maintenance					
Water Treatment Facilities					
Water Resource					
Land Management					
Regional Transmission System					
Vehicle Fleet Maintenance	35	176	2,000	2,000	0
Subtotal	35	176	2,000	2,000	0
Machinery & Equipment					
Machinery & Equipment					
Contract Services					
Engineering Services - General					
Engineering Services - System Water Quality Master Plan					
Contract Services - Other					
Contract Services	12,036	18,659	6,000	15,000	9,000
Legal Services	29,591	27,073	25,000	25,000	0
Accounting Services					0
Annual Audit	3,144	2,600	4,000	4,000	0
Hydrogeologic Services					
Outside Lab Services - Drinking Water/ASR/EPA					
Rate Consulting Services					
Environmental Services					
Watershed Programs/Monitoring//Protection [HBMP, MFL, Stewardship]					
Charlotte Harbor NEP					
Information/Technology Services	5,431	3,147	20,000	20,000	0
Equipment Rental	1,427	1,147	5,000	5,000	0
Water Treatment Residual Handling					
Legislative Monitoring Services					
Uniforms					
Reservoir Permit Monitoring					
Subtotal	51,627	52,626	60,000	69,000	9,000

	Actual Expended FY 2018	Actual	Current		FY 2021
		Expended Budget		Requested	Budget
		FY 2019	FY 2020	FY 2021	Inc/(Dec)
General Administration					
Bank Service Charges					
Training	0		2,000	2,000	0
Mileage/Travel Reimbursement	10,877	13,435	15,000	15,000	0
Professional Development/Cont. Education	3,378	6,708	6,000	10,000	4,000
Public Outreach/Education Programs/Website	41,576	49,803	50,000	55,000	5,000
Misc. Fees [permits, registrations, licenses, certifations, bank charges]		(3,070)	500	14,500	14,000
Office Rental	73,956	25,996	θ		Ð
Office Maintenance/Improvements	0		5,000	5,000	0
Administrative Office Common Area Maintenance			38,000	38,000	0
Advertising			3,500	3,500	0
Office Supplies	4,274	4,006	5,000	5,000	0
Postage			1,000	1,000	0
Books, Dues, Subs & Memberships	3,981	6,838	6,000	8,000	2,000
Office Equipment/Renovations					
Software			4,000	4,000	0
Staffing /Policy Review-Misc Expenses					
General Operations	954	30,429			
Subtotal	138,996	134,146	136,000	161,000	25,000
Fotal - Operations & Maintenance	687,990	717,743	901,500	960,618	59,118

		Actual Expended FY 2018	Actual	Actual Current		FY 2021
			Expended	Budget	Requested	Budget
			FY 2019	FY 2020	FY 2021	Inc/(Dec)
NON-OPERATION & MAINTENANCE						
Annual Debt Service						
2005A Bond Series						
2005B Bond Series						
2010A Bond Series						
2010B Bond Series						
2014 Bonds Series						
2015 Bond Series						
2019 Bank Note			207,525	243,400	247,322	
	Subtotal		207,525	243,400	247,322	
County Payments						
Capital Component						
DeSoto Payment						
North Port Payment to Charlotte						
	Subtotal					
Other Rate Related Expenditures						
Contribution to Accumulating R&R Reserve						
Transfer to CIP						
Contingencies						
Water Purchase						
Debt Service Coverage Fund						
Contribution to Utility Reserve Fund						
Administrative Costs				(686,940)	(724,764)	
	Subtotal			(686,940)	(724,764)	
Total Rate Related Expenditures		687,990	925,269	457,960	483,176	59,11

		Actual	Actual	Current		FY 2021
		Expended	Expended	Budget	Requested	Budget
		FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
NON-RATE RELATED EXPENDITURES						
Projects						
CIP Projects						
Renewal & Replacement Projects						
Resource/Supply Development Projects						
	Subtotal					
Fund Disbursements						
Charlotte County						
DeSoto County						
Sarasota County						
North Port						
	Subtotal					
Total Non-Rate Related Expenditures						
TOTAL EXPENDITURES		687,990	925,269	457,960	483,176	25,216

		Actual Expended FY 2018	Actual Expended FY 2019	Current Budget FY 2020	Requested FY 2021	FY 2021 Budget Inc/(Dec)
GENERAL OPERATIONS & MAINTENANCE						
Insurances						
Property/Liability/Workmen's Compensation		366,891	389,294	500,000	575,000	75,000
Public Officials Liability						
Auto		28,782	26,777	30,000	35,000	5,000
	Subtotal	395,673	416,071	530,000	610,000	80,000
Personnel Services						
Administrative		268,620	324,050	337,200	356,885	19,685
Operations & Maintenance		2,375,158	2,538,890	2,914,900	3,095,486	180,586
	Subtotal	2,643,778	2,862,940	3,252,100	3,452,371	200,271
Benefits Group						
FICA Taxes		184,818	207,070	244,600	258,241	13,641
Fla. Retirement System		228,321	255,508	312,100	369,078	56,978
Health Insurance		805,792	896,848	1,210,400	1,236,400	26,000
	Subtotal	1,218,931	1,359,426	1,767,100	1,863,719	96,619
Utilities Group						
Electric Power		1,519,889	1,504,251	2,619,500	2,700,000	80,500
Diesel Fuel		3,167	9,264	20,000	20,000	0
Vehicle Fuel		26,062	27,915	40,000	40,000	0
Telephone		45,815	47,615	50,000	57,000	7,000
	Subtotal	1,594,933	1,589,045	2,729,500	2,817,000	87,500
Operating Supplies		· ·				· · ·
General Operations		35,059	21,670	45,000	45,000	0
Laboratory Supplies		45,615	65,452	70,000	70,000	0
, , , ,	Subtotal	80,674	87,122	115,000	115,000	0
Water Treatment Chemicals		,	,	,	,	
Aluminum Sulfate		1,174,807	1,310,704	2,043,800	2,105,114	61,314
Sodium Hydroxide		838,436	944,178	1,446,800	1,490,204	43,404
Carbon		1,231,223	1,444,104	1,797,000	1,710,000	(87,000)
Aqua Ammonia		45,594	45,334	68,000	70,040	2,040
Coagulant Aid		77,575	62,087	173,100	178,293	5,193
Copper Sulfate/Potassium Permanganate		11,560	53,419	89,300	91,979	2,679
Sodium Hypochlorite		316,541	317,487	580,000	661,200	81,200
	Subtotal	3,695,736	4,177,312	6,198,000	6,306,830	108,830

	Actual	Actual	Current		FY 2021
	Expended	Expended	Budget	Requested	Budget
	FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
Repairs & Maintenance					· · · ·
Water Treatment Facilities	711,693	704,461	805,000	912,000	107,000
Water Resources	322,591	293,067	575,000	555,000	(20,000)
Land Management	426,647	535,276	400,000	402,000	2,000
Regional Transmission System	101,533	118,554	130,200	147,000	16,800
Vehicle Fleet Maintenance	27,691	24,805	44,000	49,500	5 <i>,</i> 500
Subtotal	1,590,155	1,676,164	1,954,200	2,065,500	111,300
Machinery & Equipment					
Machinery & Equipment	200,601	152,465	263,000	252,500	(10,500)
Contract Services					
Engineering Services - General	243,285	139,828	160,000	200,000	40,000
Engineering Services - System Water Quality Master Plan	0	94,725	Ð		0
Contract Services - Other	15,000	25,754	15,000	50,000	35,000
Contract Labor	14,419	22,560	15,000	5,000	(10,000)
Legal Services	531,917	422,730	250,000	250,000	0
Accounting Services	0			0	0
Annual Audit	28,294	23,400	30,000	30,000	0
Hydrogeologic Services	175,217	120,051	190,000	200,000	10,000
Outside Lab Services - Drinking Water/ASR/EPA	118,975	99,532	125,000	125,000	0
Rate Consulting Services	20,926	64,076	50,000	50,000	0
Environmental Services	47,323	72,842	85,000	85,000	0
Watershed Programs/Monitoring//Protection [HBMP, HC Stewardship, MFL]	504,181	397,416	520,000	500,000	(20,000)
Charlotte Harbor NEP	3,500	3,500	3,500	3,500	0
Information/Technology Services	85,085	49,515	60,000	60,000	0
Equipment Rental	37,724	41,618	50,000	50,000	0
Water Treatment Residual Handling	240,005	280,843	292,100	300,000	7,900
Legislative Monitoring Services	48,925	52,525	55,000	60,000	5,000
Uniforms	10,353	14,620	15,000	18,000	3,000
Reservoir Permit Monitoring	182,352	213,338	300,000	275,000	(25,000)
Subtotal	2,307,483	2,138,873	2,215,600	2,261,500	45,900

	Actual	Actual	Current		FY 2021
	Expended	Expended	Budget	Requested	Budget
	FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
General Administration					
Bank Service Charges	θ	Ð	Ð	θ	0
Training	1,666	1,400	2,000	2,000	0
Mileage/Travel Reimbursement	24,970	32,707	30,000	35,000	5,000
Professional Development/Cont. Education	15,904	20,238	18,000	30,000	12,000
Public Outreach/Education Programs/Website	37,138	68,952	50,000	65,000	15,000
Misc. Fees [permits, registrations, licenses, certifations, bank charges]	15,892	12,354	35,000	35,000	0
Office Rental	73,956	25,996	0	0	0
Office Maintenance/Improvements	0	1,755	5,000	5,000	0
Administrative Office Common Area Maintenance	0	0	0		0
Advertising	5,041	3,803	8,000	8,000	0
Office Supplies	20,981	33,081	28,000	30,000	2,000
Postage	4,240	5,799	8,000	8,000	0
Books, Dues, Subs & Memberships	15,286	18,898	20,000	20,000	0
Office Equipment/Renovations	9,824	10,145	0	0	0
Software	22,060	22,409	50,000	60,000	10,000
Staffing /Policy Review Misc Expenses		0	Ð		0
General Operations					0
Subtotal	246,960	257,538	254,000	298,000	44,000
otal - Operations & Maintenance	13,974,925	14,716,955	19,278,500	20,042,420	763,920

		Actual	Actual	Current		FY 2021
		Expended	Expended	Budget	Requested	Budget
		FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
NON-OPERATION & MAINTENANCE						
Annual Debt Service						
2005A Bond Series						0
2005B Bond Series						0
2010A Bond Series				591,300	591,300	0
2010B Bond Series		2,483,411	2,483,411	1,892,100	1,892,111	11
2014 Bond Series		4,536,258	4,538,191	4,539,400	4,534,771	(4,629)
2015 Bonds Series		2,529,500	2,525,500	2,523,000	2,526,750	3,750
2019 Bank Note						0
	Subtotal	9,549,169	9,547,102	9,545,800	9,544,932	(868)
County Payments						
Capital Component		1,971,557	1,971,557	1,971,557	1,971,557	0
DeSoto Payment		796,000	796,000	796,000	796,000	0
North Port Payment to Charlotte		4,781	4,781	4,781	4,781	0
	Subtotal	2,772,338	2,772,338	2,772,338	2,772,338	0
Other Rate Related Expenditures						
Contribution to Accumulating R&R Reserve		2,000,000	2,000,000	2,200,000	3,000,000	800,000
Transfer to CIP		500,000	500,000	1,000,000	1,000,000	0
Contingencies		0	0	500,000	500,000	
Water Purchase		0	0			0
Debt Service Coverage Fund		1,345,291	1,345,320	1,345,125	1,344,995	(130)
Contribution to Utility Reserve Fund				250,000	0	(250,000)
Disaster Recovery Reserve					150,000	150,000
Internal Administrative Costs	L			686,940	724,764	37,824
	Subtotal	3,845,291	3,845,320	5,982,065	6,719,759	737,694
Total Rate Related Expenditures		30,141,723	30,881,715	37,578,703	39,079,449	1,500,746

		Actual	Actual	Current		FY 2021
		Expended	Expended	Budget	Requested	Budget
		FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
NON-RATE RELATED EXPENDITURES						
Projects						
CIP Projects		1,467,329	5,374,380	19,560,000	6,159,451	(13,400,549
Renewal & Replacement Projects		2,334,459	2,068,357	2,592,500	3,000,000	407,500
Resource/Supply Development Projects_Planning Assessment		1,812	307,294	325,000	1,200,000	875,000
	Subtotal	3,803,600	7,750,031	22,477,500	10,359,451	(12,118,049
Fund Disbursements						
Charlotte County		268,771	268,843	268,776	268,734	(42
DeSoto County		33,766	33,813	33,773	33,747	(26
Sarasota County		889,308	889,570	889,334	889,187	(147
North Port		153,446	153,408	153,438	153,457	19
	Subtotal	1,345,291	1,345,634	1,345,321	1,345,125	(196
Total Non-Rate Related Expenditures		5,148,891	9,095,665	23,822,821	11,704,576	(12,118,245
TOTAL EXPENDITURES		35,290,613	39,977,381	61,401,524	50,784,025	(10,617,499

		Actual	Actual	Current		FY 2021
		Expended	Expended	Budget	Requested	Budget
		FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
GENERAL OPERATIONS & MAINTENANCE						
Insurances						
Property/Liability/Workmen's Compensation		366,891	389,294	500,000	575,000	75,000
Public Officials Liability		7,171	7,474	7,500	8,000	500
Auto		28,782	26,777	30,000	35,000	5,000
	Subtotal	402,844	423,545	537,500	618,000	80,500
Personnel Services		,	·	,	,	
Administrative		589,442	662,928	771,000	802,850	31,850
Operations & Maintenance		2,375,158	2,538,890	2,914,900	3,095,486	180,586
	Subtotal	2,964,600	3,201,818	3,685,900	3,898,336	212,436
Benefits Group						
FICA Taxes		206,317	229,151	277,800	292,357	14,557
Fla. Retirement System		283,170	317,190	386,300	452,833	66,533
Health Insurance		888,632	983,453	1,348,200	1,374,181	25,981
	Subtotal	1,378,119	1,529,794	2,012,300	2,119,372	107,072
Utilities Group						
Electric Power		1,526,228	1,513,841	2,629,500	2,712,000	82,500
Diesel Fuel		3,167	9,264	20,000	20,000	0
Vehicle Fuel		29,477	31,593	45,000	45,000	0
Telephone		46,212	48,422	52,000	59,000	7,000
	Subtotal	1,605,085	1,603,120	2,746,500	2,836,000	89,500
Operating Supplies						
General Operations		35,059	21,670	45,000	45,000	0
Laboratory		45,615	65,452	70,000	70,000	0
	Subtotal	80,674	87,122	115,000	115,000	0
Water Treatment Chemicals						
Aluminum Sulfate		1,174,807	1,310,704	2,043,800	2,105,114	61,314
Sodium Hydroxide		838,436	944,178	1,446,800	1,490,204	43,404
Carbon		1,231,223	1,444,104	1,797,000	1,710,000	(87,000
Aqua Ammonia		45,594	45,334	68,000	70,040	2,040
Coagulant Aid		77,575	62,087	173,100	178,293	5,193
Copper Sulfate/Potassium Permanganate		11,560	53,419	89,300	91,979	2,679
Sodium Hypochlorite		316,541	317,487	580,000	661,200	81,200
	Subtotal	3,695,736	4,177,312	6,198,000	6,306,830	108,830

	Actual	Actual	Current		FY 2021
	Expended	Expended	Budget	Requested	Budget
	FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
Repairs & Maintenance					
Water Treatment Facilities	711,693	704,461	805,000	912,000	107,000
Water Resources	322,591	293,067	575,000	555,000	(20,000)
Land Management	426,647	535,276	400,000	402,000	2,000
Regional Transmission System	101,533	118,554	130,200	147,000	16,800
Vehicle Fleet Maintenance	27,727	24,981	46,000	51,500	5,500
Subtotal	1,590,190	1,676,340	1,956,200	2,067,500	111,300
Machinery & Equipment					
Machinery & Equipment	200,601	152,465	263,000	252,500	(10,500)
Contract Services					
Engineering Services - General	243,285	139,828	160,000	200,000	40,000
Engineering Services - System Water Quality Master Plan	0	94,725	0	0	0
Contract Svcs - Other	27,036	44,413	21,000	65,000	44,000
Contract Labor	14,419	22,560	15,000	5,000	(10,000)
Legal Services	561,508	449,803	275,000	275,000	0
Accounting Services	0	0	0	0	0
Annual Audit	31,438	26,000	34,000	34,000	0
Hydrogeologic Services	175,217	120,051	190,000	200,000	10,000
Outside Lab Services - Drinking Water/ASR/EPA	118,975	99,532	125,000	125,000	0
Rate Consulting Services	20,926	64,076	50,000	50,000	0
Environmental Services	47,323	72,842	85,000	85,000	0
Watershed Programs/Monitoring//Protection [HBMP, HC Stewardship, MFL]	504,181	397,416	520,000	500,000	(20,000)
Charlotte Harbor NEP	3,500	3,500	3,500	3,500	0
Information/Technology Services	90,516	52,662	80,000	80,000	0
Equipment Rental	39,151	42,765	55,000	55,000	0
Water Treatment Residual Handling	240,005	280,843	292,100	300,000	7,900
Legislative Monitoring Services	48,925	52,525	55,000	60,000	5,000
Uniforms	10,353	14,620	15,000	18,000	3,000
Reservoir Permit Monitoring	182,352	213,338	300,000	275,000	(25,000)
Subtotal	2,359,110	2,191,499	2,275,600	2,330,500	54,900

otal - Operations & Maintenance	14,662,915	15,434,698	20,180,000	21,003,038	823,038
Subtotal	385,956	391,684	390,000	459,000	69,000
General Operations	954	30,429	0	0	0
Staffing /Policy Review	0	0	0	0	0
Software	22,060	22,409	54,000	64,000	10,000
Office Equipment/Renovations	9,824	10,145	0	0	C
Books, Dues, Subs & Memberships	19,267	25,736	26,000	28,000	2,000
Postage	4,240	5,799	9,000	9,000	(
Office Supplies	25,256	37,086	33,000	35,000	2,000
Advertising	5,041	3,803	11,500	11,500	(
Administrative Office Common Area Maintenance	0	0	38,000	38,000	(
Office Maintenance/Improvements	0	1,755	10,000	10,000	
Office Rental	147,912	51,993	0	0	,
Misc. Fees [permits, registrations, licenses, certifations, bank charges]	15,892	9,284	35,500	49,500	14,00
Public Outreach/Education Programs/Website	78,714	118,756	100,000	120,000	20,00
Professional Development/Cont. Education	19,283	26,947	24,000	40,000	16,00
Mileage/Travel Reimbursement	35,847	46,142	45,000	50,000	5,00
Training	1,666	1,400	4,000	4,000	
Bank Service Charges	0	0	0	0	
eneral Administration	FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
	Expended	Expended	Budget	Requested	Budget
	Actual	Actual	Current	Doguested	FY 2021

		Actual	Actual	Current		FY 2021
		Expended	Expended	Budget	Requested	Budget
		FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
NON-OPERATION & MAINTENANCE						
Annual Debt Service						
2005A Bond Series		θ	θ	θ	θ	θ
2005B Bond Series		θ	θ	θ	θ	0
2010A Bond Series		0	0	591,300	591,300	0
2010B Bond Series		2,483,411	2,483,411	1,892,100	1,892,111	11
2014 Bond Series		4,536,258	4,538,191	4,539,400	4,534,771	(4,629)
2015 Bonds Series		2,529,500	2,525,500	2,523,000	2,526,750	3,750
2019 Bank Note					247,322	247,322
	Subtotal	9,549,169	9,754,628	9,789,200	9,792,254	(868)
County Payments						
Capital Component		1,971,557	1,971,557	1,971,557	1,971,557	0
DeSoto Payment		796,000	796,000	796,000	796,000	0
North Port Payment to Charlotte		4,781	4,781	4,781	4,781	0
	Subtotal	2,772,338	2,772,338	2,772,338	2,772,338	0
Other Rate Related Expenditures						
Contribution to Accumulating R&R Reserve		2,000,000	2,000,000	2,000,000	3,000,000	1,000,000
Transfer to CIP		500,000	500,000	1,000,000	1,000,000	0
Contingencies		0	0	500,000	500,000	0
Water Purchase		0	0	0	0	0
Debt Service Coverage Fund		1,345,291	1,345,320	1,345,125	1,344,995	(130)
Contribution to Utility Reserve Fund				250,000	0	(250,000)
Disaster Recovery Reserve					150,000	150,000
Internal Administrative Costs				0	0	
	Subtotal	3,845,291	3,845,320	5,295,125	5,994,995	737,694
Total Rate Related Expenditures		30,829,713	31,806,984	38,036,663	39,562,625	1,559,864

		Actual	Actual	Current		FY 2021
		Expended	Expended	Budget	Requested	Budget
	I	FY 2018	FY 2019	FY 2020	FY 2021	Inc/(Dec)
NON-RATE RELATED EXPENDITURES						
Projects						
CIP Projects		1,467,329	5,374,380	19,560,000	6,159,451	(13,400,549
Renewal & Replacement Projects		2,334,459	2,068,357	2,592,500	3,000,000	407,500
Resource/Supply Development Projects		1,812	307,294	325,000	1,200,000	875,000
	Subtotal	3,803,600	7,750,031	22,477,500	10,359,451	(12,118,049)
Fund Disbursements						
Charlotte County		268,771	268,843	268,776	268,734	(42
DeSoto County		33,766	33,813	33,773	33,747	(26
Sarasota County		889,308	889,570	889,334	889,187	(147
North Port		153,446	153,408	153,438	153,457	19
	Subtotal	1,345,291	1,345,634	1,345,321	1,345,125	(196
Total Non-Rate Related Expenditures		5,148,891	9,095,665	23,822,821	11,704,576	(12,118,245
TOTAL EXPENDITURES		35,978,604	40,902,650	61,859,484	51,267,201	(10,592,283)

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

TENTATIVE BUDGET ITEM 2

Resolution 2020-03 'Resolution Setting Forth Preliminary Schedules of Rates, Fees and Charges for FY 2021'

Presenter -Patrick Lehman, Executive DirectorRecommended Action -Motion to approve Resolution 2020-03 'Resolution
Setting Forth Preliminary Schedules of Rates, Fees and
Charges for FY 2021'.

Resolution 2020-03 formalizes the Board's adoption of the Tentative Budget for FY 2021 and establishes its intent to set rates, fees and charges based upon the tentative budget. A public hearing is scheduled at which time the Board will adopt the final schedule of rates, fees and charges for FY 2021 during a regularly scheduled meeting on August 5, 2020.

Attachments:

Resolution 2020-03 'Resolution Setting Forth Preliminary Schedules of Rates, Fees and Charges for FY 2021'

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Resolution 2020-03

RESOLUTION SETTING FORTH PRELIMINARY SCHEDULES OF RATES, FEES AND CHARGES FOR FY 2021

The Peace River Manasota Regional Water Supply Authority, created pursuant to Section 373.1962, Florida Statutes, now found in Section 373.713, Florida Statutes, and Interlocal agreement pursuant to Section 163.01, Florida Statutes, in lawful session and in regular order of business properly presented, finds that:

WHEREAS, the Second Amended Interlocal Agreement Creating the Peace River Manasota Regional Water Supply Authority entered into on October 5, 2005 provides that:

'The Authority shall establish a tentative budget no later than May 15, for the ensuing Contract Year. The tentative budget shall include all anticipated expenditures of the Authority for its projects and activities for the ensuing Contract Year, including Operating and Maintenance Cost, Management and Planning Costs, and Debt Service Cost. As part of the budget process, the Authority shall adopt rates, fees, and charges to generate sufficient revenue to pay all budgeted expenditures on a water user basis for Authority Water Supply Facilities. Membership fees and rates shall be established annually and adopted by resolution at the time of budget adoption.' and

WHEREAS, the Authority has entered into the Peace River Manasota Regional Water Supply Authority Master Water Supply Contract with Charlotte County, DeSoto County, Manatee County, Sarasota County, and with the City of North Port on October 5, 2005 (as amended August 5, 2015) for the purpose of supplying water produced by the Authority from the Peace River Facility and new water supply sources; and

WHEREAS, the Master Water Supply Contract provides that:

'In conjunction with the Authority's annual budget development and adoption process, the Authority shall fix a Water Rate consisting of the Base Rate Charge (adjusted as necessary for customer financing), DeSoto Payment, and Water Use Charge to be paid on a monthly basis by the Customers for water furnished by the Authority. The rates are not subject to the supervision or regulation by any other commission, board, bureau, agency or other political subdivision or agency of the county or state.' and

WHEREAS, the Authority Board of Directors adopted the Tentative Budget for FY 2021 at their regularly scheduled meeting on May 27, 2020.

NOW, THEREFORE, BE IT RESOLVED:

<u>Section 1</u>. The Peace River Manasota Regional Water Supply Authority does hereby set forth preliminary schedules establishing rates, fees and charges for the period beginning October 1, 2020 through September 30, 2021 attached hereto as Exhibit A.

<u>Section 2</u>. Conservation Charge for Exceedance.

In the event a customer should receive delivery of water in excess of their respective water allocation (as adjusted by New Water Supply Demand and/or Redistribution Pool) provided in the Master Water Supply Contract for the period beginning October 1, 2020 through September 30, 2021, the exceeding customer shall pay an additional charge, Conservation Charge for Exceedance, derived as follows unless the exceedance is the result of an emergency transfer as determined by the Authority Board, in which case no additional charge shall be placed upon the excess water usage occasioned by the emergency.

The Conservation Charge for Exceedance shall be based solely on Annual Average Day (AAD) Water Allocation set forth in Exhibit B of the Master Water Supply Contract (the Conservation Charge for Exceedance does not apply to the Peak Month Average Day and the Maximum Day Water Allocations if exceeded). Delivery of water shall be as recorded by the Authority's meters at the points of connection between the Authority transmission system and the distribution system of the customer.

Exceedance of AAD for Fiscal Year	Conservation Rate Calculation
1 st Exceedance	<u>No penalty</u> . Customer liable only for the Base Rate Charge set by resolution plus Water Use Charge set by resolution for their actual metered water usage. The Authority shall assist the customer in the performance of a water audit of its water system and implementation of audit recommendations.
2 nd Exceedance	Customer liable for the Base Rate Charge set by resolution plus <u>125% of</u> <u>the Redistribution Pool Water Base Rate Charge for water delivered in</u> <u>exceedance of Water Allocation</u> plus Water Use Charge set by resolution for their actual metered water usage.
3 rd Exceedance	Customer liable for the Base Rate Charge set by resolution plus <u>150% of</u> <u>the Redistribution Pool Water Base Rate Charge for water delivered in</u> <u>exceedance of Water Allocation</u> plus Water Use Charge set by resolution for their actual metered water usage.
4 th and all Subsequence Exceedances	Customer liable for the Base Rate Charge set by resolution plus 200% of the Redistribution Pool Water Base Rate Charge for water delivered in exceedance of Water Allocation and Water Use Charge set by resolution for their actual metered water usage.

The Conservation Charge for Exceedance is progressive and penalty for exceedance is applied in subsequent fiscal years as provided above. The exceedances do not need to be in consecutive years and the number of exceedances does not reset each year.

The additional revenue received from such exceedance will, at the discretion of the Authority Board, be

applied to the funding for management and planning as provided in section 17 of the MWSC for future water supply development.

Done at Arcadia, Florida this Twenty Seventh day of May 2020.

Attest:

Peace River Manasota

Regional Water Supply Authority

Patrick J. Lehman Executive Director Commissioner Ken Doherty Chairman

Approved as to Form:

Douglas Manson General Counsel for the Peace River Manasota Regional Water Supply Authority

WATER RATE [Authority Customers] 10/01/2020 to 09/30/2021

Total Monthly Water Charge to Customers		
[Charge per Month]	Monthly Charge	Monthly Charge = Base Rate Charge + (Water Use Charge × Actual Water Delivered)
Base Rate Charge		
[Annual costs to be allocated]	Totals	
Non-Canital Cost Component		
Fixed 0 & M Cost Component	10 735 590	
Contribution to R & R Reserve	3.000.000	
Contingencies	500,000	
Transfer to Utility Reserve Fund	'	
Transfer to Disaster Recovery Reserve	150,000	
Transfer to Administrative Fund	724,764	
Projected Interest Earned	(40,000)	
Transfer from Rate Stabilization Reserve	(500,000)	
Funds Brought Forward	(3,000,000)	
Sub-Total Non-Capital Cost Component	\$ 11,570,354	
Water Purchase	C	
Total Non-Capital Cost Component	\$ 11.570.354	
Debt Service Cost		
2010A Bonds	591,300	
2010B Bonds	1,892,111	
2014 Bonds	4,534,771	
2015 Bonds		
I otal Debt Service	\$ 9,544,932	
Debt Service Coverage Payments	\$ 1,344,995	
Debt Service Contributions		
Federal Direct Payment [2010B Bonds]	\$ (578.300)	
	1	
County Payments		
Capital Component Charge	1,971,557	
North Port Payment to Charlotte	4 781	
Total County Payments	\$ 2,772,338	
Svstem-Wide CIP Contribution		
Transfer out to CIP	1,000,000	
Tatal Baco Dato Channes	¢ 75 554 310	
Dase have cliarge	LTC'+CO'C7 ¢	

Annual Baco Bato Charao Bu Customor												
Aliliual base hate charge by custoffier												
		Non-Capital					Debt Service	Federal	Capital		North Port	System-Wide
		Cost					Coverage	Subsidy	Component	DeSoto	Payment to	CIP
	Total	Component	2010A Bonds	2010B Bonds	2014 Bonds	2015 Bonds	Payment	2010B Bonds	Charge	Payment	Charlotte	Contribution
Charlotte County	10,008,852	5,368,377	1	,	1,190,971	600,264	268,685	1	1,767,501	369,326	'	443,728
DeSoto County	526,413	225,072	6,563	'	37,189	181,459	33,782		8,281	15,484	,	18,582
Manatee County	43,712	,	'		'	'	1	'	1	L	1	43,712
Sarasota County	12,598,844	5,021,600	501,363	1,216,438	2,836,577	1,745,027	889,142	(371,789)	1	345,469	ł	415.017
City of North Port	2,476,498	955,304	83,373	675,673	470,033		153,385	(206,511)	195,776	65,722	4,781	78,962
Total	Total \$ 25,654,319	\$ 11,570,354	\$ 591,300	\$ 1,892,111	\$ 4,534,771	\$ 2,526,750	\$ 1,344,995	\$ (578,300)	\$ 1,971,557	\$ 796,000	\$ 4,781	\$ 1,000,000
Monthly Base Rate Charge By Customer												
Charlotte County	834,071											
DeSoto County	43,868											
Manatee County	3,643											
Sarasota County	1,049,904											
City of North Port	206,375											
Total	\$ 2,137,860											
Water Use Charge												
[Charge per 1,000 gallons]												
	Total											
Water Use Rate Charge	\$0.79											
Intester water supply contract water Allocation	ation											
Million Gallons Per Day [MGD]	Annual											
	Average											
	Daily											
	[MGD]											
Charlotte County	16.100											
DeSoto County	0.675											
Manatee County	0.000											
Sarasota County	15.060											
City of North Port	2.865											
Total	34.700											

MEMBER FEE

10/01/2020 to 09/30/2021

Contribution Amount to be Derived			
	Totals		
Administrative Office Authority Support	\$ 483,176		
Projected Interest Earned	- \$		
Rental Income	\$ (96,668)		
Amount to be Derived	\$ 386,508		
Population Basis			
	*Population	% of Total	
	4/1/2019	Population	
Charlotte County	180,843	17.59%	
DeSoto County	33,693	3.28%	
Manatee County	387,206	37.67%	
Sarasota County	426,269	41.47%	
Total	1,028,011	100.00%	
Weighted Contribution			
	Base	Pro Rated	
	Contribution	Share	
Charlotte County	\$ 48,314	\$ 33,996	\$ 82,310
DeSoto County	\$ 48,314	\$ 6,334	\$ 54,647
Manatee County \$	\$ 48,314	\$ 72,790	\$ 121,104
Sarasota County	\$ 48,314	\$ 80,134	\$ 128,447
Total Weighted Contribution			\$ 386,508

Member Contribution Formula:

Base Contribution = 1/2 amount to be derived divided by 4 Pro rated share = 1/2 amount to be derived times % of Population * Source: 'Florida Estimates of Population 2019' [Bureau of Economic and Business Research; University of Florida, April 1, 2019]

EXHIBIT A Resolution 2020-03 May 27, 2020

PLANNING ASSESSMENT 10/01/2020 to 09/30/2021

Planning Assessments					
[Annual costs to be allocated]			Planning Assessment Allocation (1)	ent Allocation (1)	
		Water	Polk Regional	Regional Water	
		Advocacy/One	Water Cooperative Supply Feasibility	Supply Feasibility	
		Water Initiative	Coordinating	Planning	
	Total		Committee		
Charlotte County	109,947	4,398	4,398	101,151	
DeSoto County	20,484	819	819	18,846	
Manatee County	235,410	9,416	9,416	216,577	
Sarasota County	216,172	10,366	8,575	197,230	
City of North Port	42,987	t	1,791	41,196	
Total \$	\$ 625,000	\$ 25,000	\$ 25,000	\$ 575,000	
(1) Planning Assessment invoiced on October 1, 2019.	019.				
(2) Blanning Accossing Allocation Pro Poto Dourlotion					

(2) Plannng Assessment Allocation Pro-Rata Population.

Population			
	*Population	Population	
	4/1/2019	[Percentage]	
Charlotte County	180,843	17.59%	
DeSoto County	33,693	3.28%	
Manatee County	387,206	37.67%	
Sarasota County	352,617	34.30%	
City of North Port	73,652	7.16%	
Total	1,028,011	100.00%	

Peace River Manasota Regional Water Supply Authority	FY 2021 Tentative Budget
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INTERCONNECT WATER CHARGE [GOVERNMENT RATE]

10/01/2020 to 09/30/2021

Water Charge to Municipalities Interconnected to Begional Transmission System	Transmission Sustam
[Charge per 1,000 Gallons]	
Water Rate	
[Charge per 1,000 Gallons]	
	Water Rate Charge in \$1,000 zallons metered water delivery for cumulative delivery to all interconnects un to manified as
	\$3.30 'Available from Pool' in the Redistribution Pool for the current fiscal year.
	Water Rate Charge in \$/1,000 gallons metered water delivery for cumulative delivery to all interconnects in excess of the quantity identified as
	\$6.60 'Available from Pool' in the Redistribution Pool for the current fiscal year.

Revenue received from these water sales will, at the discretion of the Authority Board, be applied as a credit toward the obligations of the Authority Customers apportioned to each of their allocations to the 'Available from Pool' in the Redistribution Pool for the current fiscal year. Water rate for emergency use unless Interlocal Agreement provides alternative water rate.

> 10/01/2020 to 09/30/2021 **REDISTRIBUTION POOL**

Redistribution Pool Water Quantities						
	(1) Water	(2) New Water	Total Contracted	(3) Available for	Requested from	(4) Budget
	Allocation	Supply	Allocation	Pool	Pool	Allocation
	[MGD]	[MGD]	[MGD]	[MGD]	[MGD]	[MGD]
Charlotte County	16.100	0.000	16.100	1.500	0.000	16.100
DeSoto County	0.675	0.000	0.675	0.000	0.000	0.675
Sarasota County	15.060	0.000	15.060	2.400	0.000	15.060
City of North Port	2.865	0.000	2.865	0.000	0.000	2.865
Total	34.700	0.000	34.700	3.900	0.000	34.700

Redistribution Pool Water Base Rate Charge Adjustment	stment	
		Annual
	Annual Cost	Unit Cost
	[\$/Year]	[\$/WGD]
Peace River Facility REP Debt Service	5,126,071	348,712
Non-Capital Component	11,570,354	333,440
DeSoto Payment	796,000	22,939
Redistribution Pool Water Base Rate		\$ 705,091

(1) Peace River/Manasota Regional Water Supply Authority Master Water Supply Contract - Exhibit B 'Water Allocations' (Peace River Facility water allocations).

(2) Peace River/Manasota Regional Water Supply Authority Master Water Supply Contract - Exhibit C 'New Water Supply Demands'.
(3) Pool water based on Customer submittals (January 2020).
(4) Total annual average water allocated for FY 2021 budget.

		Aonthly Base Rate Adjustment	From Pool	0	0	0	0	\$0
		Monthly Base R	To Pool	0	0	0	0	\$0
t by Customer		ate Adjustment	From Pool	0	0	0	0	\$0
	Annual Base Rate Adjustment	To Pool	0	0	0	0	\$0	
	Kedistribution Pool Base Rate Charge Adjustment			Charlotte County	DeSoto County	Sarasota County	City of North Port	Total

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

GENERAL COUNSEL'S REPORT

Presenter -

Douglas Manson, General Counsel

Recommended Action -

Status Report. This item is presented for the Board's information and no action is required.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

EXECUTIVE DIRECTOR'S REPORT

Presenter -

Patrick Lehman, Executive Director

Recommended Action -

Status Report. This item is presented for the Board's information and no action is required.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 1

Hydrologic Conditions Report

MEMORANDUM

Project:	Hydrologic Conditions Report
Date:	May 27, 2020
Developed By:	Mike Coates, Deputy Director

This memorandum summarizes rainfall and surface water conditions, and the Authority's current water storage and supply conditions for the month of May 2020 (through May 13th), and the preceding 12-month period.

Rainfall Conditions & Projections

Rainfall in the Peace River Basin for the past 12-months is 6.5-inches below normal. This data covers the 12-months through May 13, 2020 (see Table 1). Rainfall for the month of May 2020 totaled 0.1 inch (through May 13th) while the historical average rainfall for the full month of May is 3.9 inches.

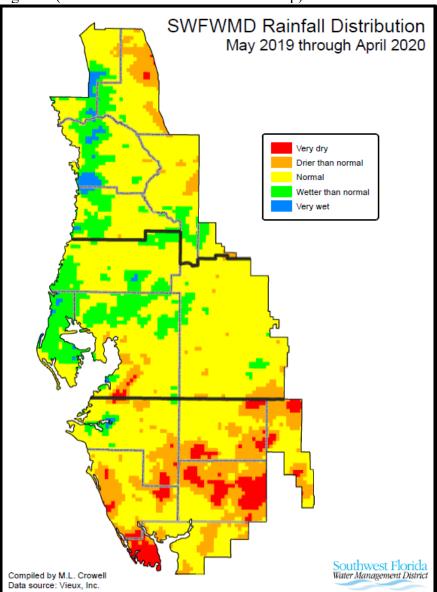
Region-wide rainfall conditions reported by SWFWMD for the 12-month period ending April 2020 are shown in Figure 1 (this is most up-to-date map available). Conditions shown for the Authority's 4-county service area on Figure 1 indicate significant drying associated with low rainfall this spring.

Projections for the next three months (June-August) from NOAA are for above-normal temperatures and above-normal rainfall for southwest Florida. The NOAA extended forecast is for ENSO neutral (neither El Nino or La Nina) conditions persisting through summer 2020.

Item	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
Long-Term Avg.	8.31	8.01	7.61	7.31	3.19	1.73	1.87	2.14	2.56	2.96	2.56	3.89	52.1
Actual Past 12 Months	9.24	9.80	9.41	1.70	4.0	1.30	2.60	0.60	3.00	0.10	3.79	0.1	45.6
Difference	0.93	1.79	1.80	-5.61	0.81	-0.43	0.73	-1.54	0.44	-2.86	1.23	-3.79	-6.5

 Table 1 (Peace River Basin Rainfall - Inches)





River Flow Conditions

The locations of two U.S. Geological Survey gages, one in the upper portion of the basin and one in the lower portion are shown in Figure 2, and flow conditions at these gages are discussed below:

Flow at in the "Peace River at Fort Meade" (upper part of the watershed) is below seasonal average for the month (see Figure 3). The "Peace River at Arcadia" gage (about 15 miles upstream of the Authority's intake) is one of the gages used to calculate how much water the Authority can withdraw from the river each day. Flow at the "Peace River at Arcadia" gage (lower part of the watershed) also shows below average conditions (see Figure 4).

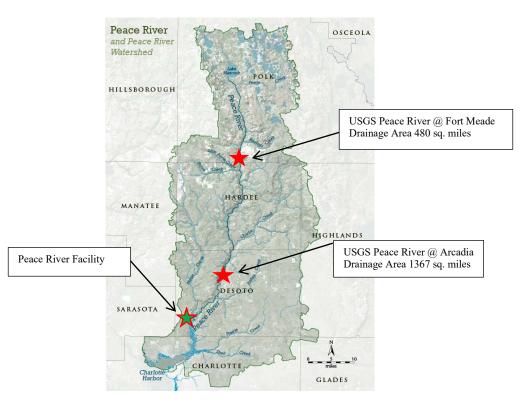


Figure 2 (Peace River Basin showing selected gage locations and Location of PRF)

Figure 3 (Peace River Flow @ Fort Meade)

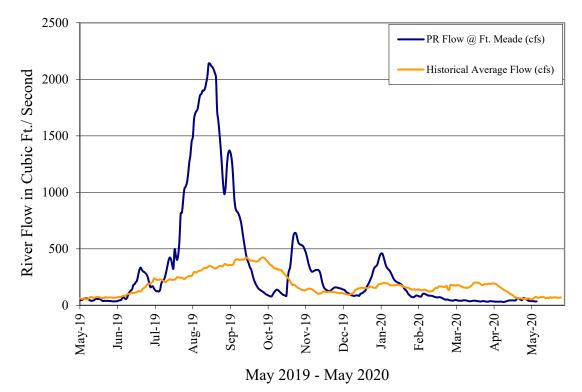
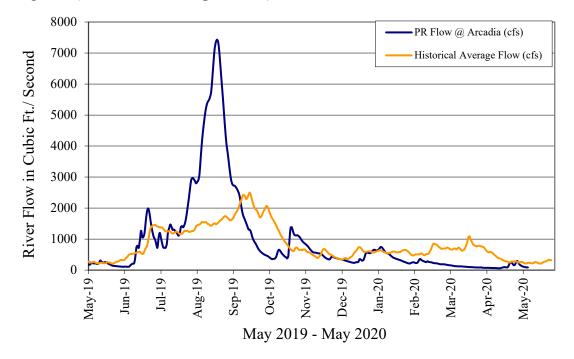


Figure 4 (Peace River Flow @ Arcadia)



River Withdrawals, Finished Water Production & Demand

Water withdrawals from the Peace River were suspended on March 13th due to low flow conditions and high TDS (see Figure 5 below).

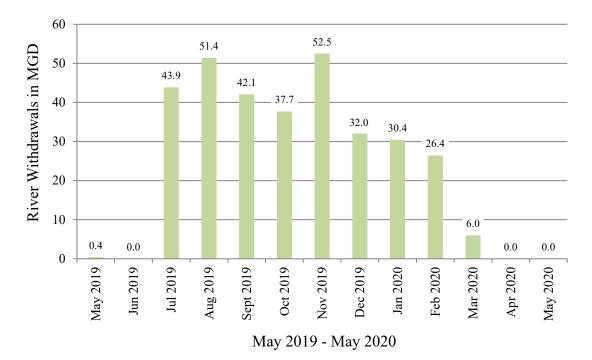


Figure 5 (Withdrawals from Peace River)

Figure 6 shows monthly finished water deliveries to Customers for the 12-month period ending May 13, 2020. Finished water delivery to Customers during May 2020 have averaged about 31.4 MGD. This is 5 MGD higher than deliveries in May 2019.

Seasonal exchange throught the Phase 1A Regional Interconnect with the City of Punta Gorda is ongoing – with Regional deliveries to the City. The seasonal exchange of water through this pipeline helps maintains these facilities in a "ready-to-serve" condition at all times.

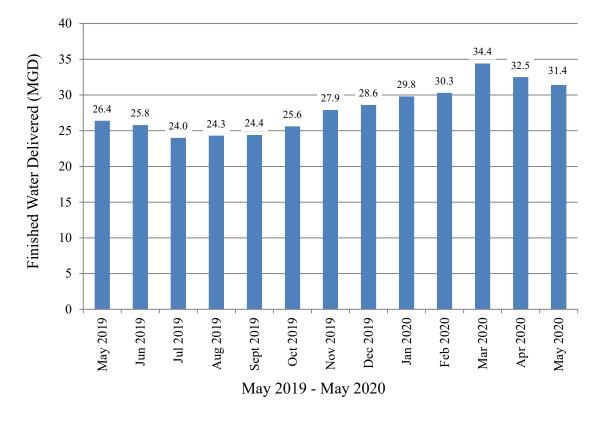


Figure 6 (Peace River Facility Deliveries to Customers)

Stored Supplies at the PRF

The Authority maintains two large capacity off-stream storage systems at the PRF. The primary storage is raw river water stored in Reservoir No. 1 and No. 2. When flow in the River is high enough, a small percentage of that flow is harvested at the Authority's pumping facility on the Peace River and stored in Reservoirs 1 and 2. This storage is designed to be completely refilled each wet season. Total raw-water storage capacity is seasonally adjusted. During the hurricane season the total raw water storage capacity is 6.5 billion gallons (BG). Outside of hurricane season, additional water can be safely stored. The maximum raw water storage capacity in May is 6.8 BG. Raw water stored as of May 13, 2020 totaled about 4.75 BG.

The secondary storage at the PRF is treated water stored in the Aquifer Storage and Recovery (ASR) system. While the original design capacity of the ASR system was approximately 6.3 BG, a much greater volume can actually be stored in this system. Because this supply must be fully treated to drinking water standards before storage, it can't be stored as rapidly as water in the raw-water reservoirs. Filling ASR storage is done incrementally each year as excess treatment capacity and hydrologic condition allow. The ASR system is recharged with fully treated drinking water produced by the water treatment facility. Water recovered from ASR is discharged to the surface reservoir system and undergoes full treatment again with the rest of the raw-water stream before delivery to Authority Customers. Water recovery from ASR to the Reservoir system began on April 1, 2020 and has continued at a rate of about 10 MGD. **Treated water stored in ASR as of May 13, 2020 totaled approximately 8.2 BG.**

Stored raw water supplies (combined storage in Reservoir No. 1 and No. 2) and stored water in the ASR system for the past year are shown in Figure 7. The total water in storage as of May 13, 2020 was about 13 BG. This is about the same as total storage in May 2019.

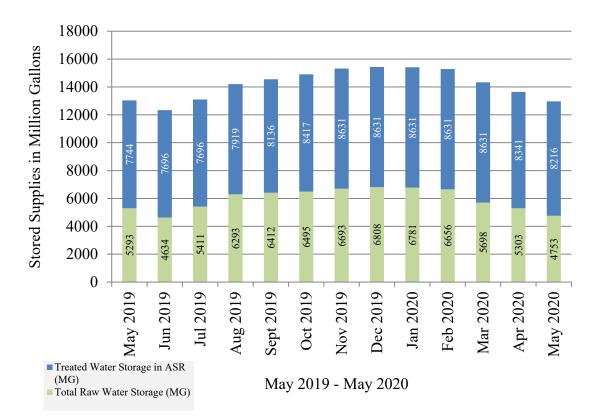


Figure 7 (Stored Water Supplies)

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 2

Check Registers for January, February, March and April 2020

	Decument	PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
01/02/2020	Nutrio	QuickBooks Payroll Service	\$	92,877.
01/03/2020	ACH2163	AECOM TECHNICAL SERVICES, INC.	\$	536.
01/03/2020	ACH2164	Air Mechanical & Service Corp.	\$	1,081.
01/03/2020	ACH2165	AIRGAS SPECIALTY PRODUCTS	\$	3,084.
01/03/2020	ACH2166	AIRGAS USA, LLC	\$	58.
01/03/2020	ACH2167	ALLIED ELECTRONICS, INC.	\$	4,578
01/03/2020	ACH2168	ALLIED UNIVERSAL CORP.	\$ \$	13,611
01/03/2020	ACH2169	ATKINS NORTH AMERICA, INC.	\$	430.
01/03/2020	ACH2109	BENCHMARK ENVIROANALYTICAL INC	\$	5,028
	ACH2170			
01/03/2020		Brenntag Mid-South Inc	\$	36,431
01/03/2020	ACH2172	Briggs Equipment Inc.	\$	373
01/03/2020	ACH2173	C & S CHEMICALS INC.	\$	52,933
01/03/2020	ACH2174	Daniel J Roberts (V)	\$	58
01/03/2020	ACH2175	DMK ASSOCIATES	\$	2,157
01/03/2020	ACH2176	Doug Morton	\$	144
01/03/2020	ACH2177	DOUGLAS LEATH	\$	210
01/03/2020	ACH2178	EARTH BALANCE	\$	7,566
01/03/2020	ACH2179	Flotech, INC	\$	8,106
01/03/2020	ACH2180	FLUID CONTROL SPECIALTIES, INC.	\$	4,215
01/03/2020	ACH2181	Hach Company	\$	299
01/03/2020	ACH2182	HALFACRE CONSTRUCTION COMPANY	\$	37,132
01/03/2020	ACH2183	HDR ENGINEERING INC.	\$	24,191
01/03/2020	ACH2184	Hilltop Securities	\$	3,000
01/03/2020	ACH2185	IDEXX DISTRIBUTION INC	\$	986
01/03/2020	ACH2186	J. H. HAM ENGINEERING INC.	\$	22,388
01/03/2020	ACH2187	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495
01/03/2020	ACH2188	KEETON'S OFFICE & ART SUPPLY	\$	691
01/03/2020	ACH2189	PMC ENGINEERING LLC	\$	718
01/03/2020	ACH2190	Ryan Herco Products Corp	\$	1,438
01/03/2020	ACH2191	SAMUEL STONE	\$	753
01/03/2020	ACH2192	Shawn Lewis (V)	\$	144
01/03/2020	ACH2193	STANTEC CONSULTING SERVICES	\$	11,215
01/03/2020	ACH2194	SUNSHINE ACE HARDWARE	\$	150
01/03/2020	ACH2195	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50
01/03/2020	ACH2196	TIM PITTMAN	\$	144
01/03/2020	ACH2197	UPS	\$	37
01/03/2020	38502	AMAZON	\$	319
01/03/2020	38503	AWWA	\$	790
01/03/2020	38504	CED - Port Charlotte	\$	242
01/03/2020	38505	CENTURYLINK	\$	780
01/03/2020	38506	CINTAS	\$ \$	284
01/03/2020	38507	D. M. CONSTRUCTION CORP.	\$	13,178
01/03/2020	38508	Fisher Scientific		1,051
			\$	
01/03/2020	38509	FLORIDA POWER & LIGHT COMPANY	\$	138,215
01/03/2020	38510	KED GROUP INC.	\$	5,382
01/03/2020	38511	L.I.S. INC.	\$	201
01/03/2020	38512	Locher Environmental LLC	\$	4,088
01/03/2020	38513	PITNEY BOWES	\$	200
01/03/2020	38514	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	579
01/03/2020	38515	TRULY NOLEN OF AMERICA	\$	495
01/03/2020	ADBT010320	STATE OF FLORIDA DISBURSEMENT UNIT	\$	699
01/03/2020	DBT010320	United States Treasury	\$	31,928
01/03/2020	dbt010320	Valic	\$	7,777
01/16/2020		QuickBooks Payroll Service	\$	88,865
01/17/2020	ACH2198	AIR CENTERS-FLORIDA	\$	3,221
01/17/2020	ACH2199	Air Mechanical & Service Corp.	\$	2,900
01/17/2020	ACH2199 ACH2200	Alan Jay Automotive Management, Inc.	э \$	2,900
	ACH2200 ACH2201	ALL FLORIDA WATER-TAMPA	» \$	
01/17/2020 01/17/2020	ACH2201 ACH2202	ALL FLORIDA WATER-TAMPA ALLIED ELECTRONICS, INC.	\$ \$	211 246

	Document			
Date	Document Number	Payee Name / Description		Amount
01/17/2020	ACH2204	BENCHMARK ENVIROANALYTICAL INC	\$	400.2
01/17/2020	ACH2205	BLACK & VEATCH	\$	60,038.0
01/17/2020	ACH2206	Brenntag Mid-South Inc	\$	36,395.3
01/17/2020	ACH2207	C & S CHEMICALS INC.	\$	92,787.0
01/17/2020	ACH2208	CHARLOTTE COUNTY BCC - LANDFILL	\$	5,339.
01/17/2020	ACH2209	CHARLOTTE COUNTY UTILITIES	\$	164,694.
01/17/2020	ACH2210	CORONADO LAWN SERVICE OF FL	\$	2,072.
01/17/2020	ACH2211	Cummins Power South	\$	841.
01/17/2020	ACH2212	DESOTO COUNTY (V)	\$	66,333.
01/17/2020	ACH2213	DIANE R. SALZ	\$	4,250.
01/17/2020	ACH2214	DMK ASSOCIATES	\$ \$	10,473.
01/17/2020	ACH2215	E.F. GAINES SURVEYING SERVICES, INC	\$	4,600
01/17/2020	ACH2216	EARTH BALANCE	\$	10,160
01/17/2020	ACH2217	Entech	\$	4,436
01/17/2020	ACH2218	FLUID CONTROL SPECIALTIES, INC.	\$	1,197
01/17/2020	ACH2219	FRONTIER COMMUNICATIONS	\$	220.
01/17/2020	ACH2220	Hach Company	Ψ ¢	605
01/17/2020	ACH2220	J. H. HAM ENGINEERING INC.	\$ \$	43,862
01/17/2020	ACH2221	Jacobi Carbons Inc	\$	32,010
01/17/2020	ACH2222	JAN-PRO OF MANASOTA	\$	249
01/17/2020	ACH2223	JANICKI ENVIRONMENTAL. INC.	\$	18,895
		JESSICA BENSON	ֆ \$	
01/17/2020	ACH2225		ф Ф	4,167
01/17/2020	ACH2226	KEETON'S OFFICE & ART SUPPLY	\$	789
01/17/2020	ACH2227	KING ENGINEERING ASSOCIATES INC	\$	2,175
01/17/2020	ACH2228	M&M CONTRACTORS INC.	\$	4,897
01/17/2020	ACH2229	Mike Coates (v)	\$	231
01/17/2020	ACH2230	PATRICK J LEHMAN	\$	465
01/17/2020	ACH2231	Practical HR Solutions	\$	1,000
01/17/2020	ACH2232	PRO-CHEM INC.	\$	798
01/17/2020	ACH2233	PURVIS GRAY & COMPANY	\$	14,712
01/17/2020	ACH2234	STANTEC CONSULTING SERVICES	\$	1,780
01/17/2020	ACH2235	SUNSHINE ACE HARDWARE	\$	46
01/17/2020	ACH2236	Terri Holcomb (V)	\$	368
01/17/2020	ACH2237	TKW CONSULTING ENGINEERS, INC.	\$	9,377
01/17/2020	ACH2238	TRINOVA INC.	\$	2,331
01/17/2020	ACH2239	TRULY NOLEN BRANCH 079	\$	258
01/17/2020	ACH2240	ULINE	\$	97
01/17/2020	ACH2241	UPS	\$	500
01/17/2020	ACH2242	US Plastic Corp	\$	28
01/17/2020	ACH2243	USA Bluebook	\$	2,201
01/17/2020	ACH2244	VANASSE HANGEN BRUSTLIN, INC	\$	3,489
01/17/2020	ACH2245	VOYAGER FLEET SYSTEMS, INC.	\$	1,568
01/17/2020	38516	ANIXTER INC.	\$	1,594
01/17/2020	38517	BILL'S BOTTLED WATER SERVICE		11
01/17/2020	38518	Braden River Utilities, LLC	\$ \$	78
01/17/2020	38519	CED - Port Charlotte	\$	1,405
01/17/2020	38520	CENTURYLINK	\$ \$ \$	1,981
01/17/2020	38521	DEX IMAGING	\$	1,869
01/17/2020	38522	DMS-FINANCIAL MGMT SERVICES	\$	367
01/17/2020	38523	Fisher Scientific	\$	2,171
01/17/2020	38524	FLORIDA DEPT OF TRANSPORTATION	\$ \$	7
01/17/2020	38525	GRAINGER	\$	844
01/17/2020	38526	HAZEN AND SAWYER	\$	9,810
01/17/2020	38527	KED GROUP INC.	\$ \$	13,552
01/17/2020	38528	LWR Town Center Association Inc	\$ \$	2,263
01/17/2020	38529	Manatee County Utilities Department	\$	307
01/17/2020	38530	McCABE & ASSOCIATES	Ψ S	2,800
01/17/2020	38531	MSC INDUSTRIAL SUPPLY CO.	\$ \$	2,000
01/17/2020	38532	NaturZone Pest Control	\$ \$	2,371
01/17/2020	38533	Pitney Bowes- Lease	\$ \$	209

	Decument	PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
01/17/2020	38534	RING POWER CORPORATION	\$	642.0
01/17/2020	38535	SARASOTA COUNTY ENVIRONMENTAL UTILITIES	\$	13,543.5
01/17/2020	38536	SARASOTA HERALD TRIBUNE	\$	93.5
01/17/2020	38537	SHIPPING POST	\$	29.6
01/17/2020	38538	THE SUN	\$	57.2
01/17/2020	38539	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	112.2
01/17/2020	38540	U.S. BANK EQUIPMENT FINANCE	\$	1,052.6
01/17/2020	38541	WOMACK SANITATION INC.	\$	750.0
01/17/2020	ADBT11720	STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.2
01/17/2020	DBT011720	United States Treasury	\$ \$	34,993.1
01/17/2020	dbt011720	Valic		33,803.4
01/24/2020	AUTO012520	PNC Bank	\$	4,996.4
01/30/2020		QuickBooks Payroll Service		90,431.5
01/31/2020	38542	Buffalo Graffix	\$ \$	850.0
01/31/2020	38543	CED - Port Charlotte	\$	662.0
01/31/2020	38544	CHARLOTTE PLUMBING K & BATH INC.	\$	320.0
01/31/2020	38545	CHENANGO SUPPLY CO., INC.	\$	218.8
01/31/2020	38546	CINTAS	\$ \$	210.8
01/31/2020	38547	D. M. CONSTRUCTION CORP.	\$	8,862.2
01/31/2020	38548	DMS-FINANCIAL MGMT SERVICES	\$	372.6
01/31/2020	38550	DOLPHIN TRANSPORTATION SPECIALISTS	\$	682.5
01/31/2020	38551	DVD Consulting Inc.	\$	498.0
01/31/2020	38552	Fisher Scientific		1,026.1
01/31/2020	38553	FLORIDA POWER & LIGHT COMPANY	\$ \$	126,130.8
01/31/2020	38554	HOME DEPOT	\$	319.0
01/31/2020	38555	REXEL USA Inc.	\$	709.8
01/31/2020	38556	RING POWER CORPORATION	\$	535.0
01/31/2020	38557	ROGERS PETROLEUM, INC.	\$ \$	416.6
01/31/2020	38558	SARASOTA HERALD TRIBUNE	\$	382.2
01/31/2020	38559	THE SUN		183.0
01/31/2020	38560	TIRE KINGDOM	\$ \$	840.5
01/31/2020	38561	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	86.9
01/31/2020	38562	TRULY NOLEN OF AMERICA		260.0
01/31/2020	38563	U.S. TENT RENTAL INC.	\$ \$	4,240.9
01/31/2020	38564	UniFirst Corp	\$	3,853.2
01/31/2020	38565	VERIZON WIRELESS	\$	17.0
01/31/2020	ACH2246	Advanced Overhead Systems	\$	2,318.0
01/31/2020	ACH2247	AIR CENTERS-FLORIDA	\$	49,269.8
01/31/2020	ACH2248	Air Mechanical & Service Corp.	\$	6,325.5
01/31/2020	ACH2249	AIRGAS SPECIALTY PRODUCTS	\$	3,170.9
01/31/2020	ACH2250	AIRGAS USA, LLC	\$	59.8
01/31/2020	ACH2251	Alan Jay Automotive Management, Inc.	\$	57,005.0
01/31/2020	ACH2252	ALFA LAVAL INC.	\$	1,039.6
01/31/2020	ACH2253	ALLIED ELECTRONICS, INC.	\$	85.2
01/31/2020	ACH2254	ALLIED UNIVERSAL CORP.	\$	9,171.8
01/31/2020	ACH2255	ATKINS NORTH AMERICA, INC.	\$	41,291.3
01/31/2020	ACH2256	BENCHMARK ENVIROANALYTICAL INC	Ψ \$	5,793.4
01/31/2020	ACH2257	BLACK & VEATCH	\$ \$	43,339.0
01/31/2020	ACH2258	BLUSITE SOLUTIONS OF SOUTHWEST FLORIDA	\$	435.0
01/31/2020	ACH2259	Brenntag Mid-South Inc		21,893.4
01/31/2020	ACH2260	C & S CHEMICALS INC.	\$ \$	52,800.
01/31/2020	ACH2261	Commercial Painting SWFL LLC	\$	14,235.0
01/31/2020	ACH2262	David Badder (V)	\$ \$	35.0
01/31/2020	ACH2263	DMK ASSOCIATES	э \$	7,696.2
01/31/2020	ACH2263	Entech	э \$	4,436.
01/31/2020	ACH2265	EUROFINS EATON ANALYTICAL, LLC	э \$	1,263.
01/31/2020	ACH2265	FLUID CONTROL SPECIALTIES, INC.	э \$	921.0
01/31/2020	ACH2260 ACH2267	George Pennell (V)	э \$	921.0 210.0
01/31/2020	ACH2267 ACH2268	Hach Company	ծ \$	2,192.3
01/01/2020		naon company	J	Z. 19Z.

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document	Payee Name / Description		Amount
	Number			
01/31/2020	ACH2270	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00
01/31/2020	ACH2271	KEETON'S OFFICE & ART SUPPLY	\$	22.03
01/31/2020	ACH2272	Martin Septic Service INC	\$	650.00
01/31/2020	ACH2273	PROGRESSIVE WATER RESOURCES, LLC	\$	3,930.00
01/31/2020	ACH2274	PUBLIC RISK INSURANCE AGENCY	\$	797.00
01/31/2020	ACH2275	SAFETY SHOE DISTRIBUTORS, LLP	\$	2,580.50
01/31/2020	ACH2276	STANTEC CONSULTING SERVICES	\$	55,549.90
01/31/2020	ACH2277	SUNSHINE ACE HARDWARE	\$	144.46
01/31/2020	ACH2278	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
01/31/2020	ACH2279	UPS	\$	206.41
01/31/2020	ACH2280	US Plastic Corp	\$	4,454.52
01/31/2020	ACH2281		\$	1,422.85
01/31/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.29
01/31/2020	DBT013120	United States Treasury	\$ \$	30,745.64
01/31/2020	dbt013120			8,198.15
01/31/2020	dbt013121	FLORIDA DIVISION OF RETIREMENT	\$	57,586.01
01/31/2020 02/13/2020		Quish Deales Deumell Comises	\$ \$	392.63
	38566	QuickBooks Payroll Service AMAZON	ъ \$	89,015.68
02/14/2020	38567		ъ \$	1,815.77
02/14/2020	38568	CED - Port Charlotte	¢ ⊅	2,393.95 1,407.66
02/14/2020 02/14/2020	38569	CENTURYLINK CHARLOTTE PLUMBING K & BATH INC.	\$ \$	
02/14/2020	38570	DESOTO COUNTY WATER UTILITY	ъ \$	165.00 1,606.59
02/14/2020	38571	FENDER'S TIRE & BATTERY INC.	э \$	1,000.39
02/14/2020	38572	Fisher Scientific	\$	551.33
02/14/2020	38573	FLA GOV'T FINANCE OFFICERS ASSOC	э \$	50.00
02/14/2020	38574	HOME DEPOT		339.70
02/14/2020	38575	INSTRUMENT & VALVE SERVICES COMPANY	\$ \$	429.70
02/14/2020	38576	ISA	\$	130.00
02/14/2020	38577	KED GROUP INC.	\$	5,382.00
02/14/2020	38578	Mader Electric Motors	\$	1,700.00
02/14/2020	38579	Manatee County Utilities Department	\$	308.17
02/14/2020	38580	NaturZone Pest Control	\$	76.00
02/14/2020	38581	REXEL USA Inc.	\$	11,945.49
02/14/2020	38582	SAM'S CLUB	\$	119.25
02/14/2020	38583	SARASOTA TROPHY & AWARDS INC.	\$	440.50
02/14/2020	38584	SOUTHWEST MOBILE MECHANIC	\$	2,675.00
02/14/2020	38585	SUNBELT RENTALS	\$	225.00
02/14/2020	38586	THERMO ELECTRON NORTH AMERICA LLC	\$	1,036.00
02/14/2020	38587	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
02/14/2020	38588	UNITED STATES GEOLOGICAL SURVEY	\$	7,835.00
02/14/2020	38589	WOMACK SANITATION INC.	\$	298.00
02/14/2020	ACH2282	Air Mechanical & Service Corp.	\$	249.78
02/14/2020	ACH2283	ALLIED UNIVERSAL CORP.		11,595.21
02/14/2020	ACH2284	Atlas Fence Company, INC.	\$ \$	1,435.00
02/14/2020	ACH2285	BENCHMARK ENVIROANALYTICAL INC	\$	1,904.26
02/14/2020	ACH2286	BLUSITE SOLUTIONS OF SOUTHWEST FLORIDA	\$	217.50
02/14/2020	ACH2287	Briggs Equipment Inc.	\$ \$	619.46
02/14/2020	ACH2288	C & S CHEMICALS INC.		65,193.90
02/14/2020	ACH2289	CHARLOTTE COUNTY BCC - LANDFILL	\$ \$	3,590.66
02/14/2020	ACH2290	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	196,686.92
02/14/2020	ACH2291	CHARLOTTE COUNTY UTILITIES	\$	164,694.84
02/14/2020	ACH2292	CINTAS FIRE 636525	\$	1,395.00
02/14/2020	ACH2293	Commercial Painting SWFL LLC		8,850.00
02/14/2020	ACH2294	DESOTO COUNTY (V)	\$ \$	66,333.33
02/14/2020	ACH2295	DIANE R. SALZ	\$	4,250.00
02/14/2020	ACH2296	EARTH BALANCE	\$	7,807.27
02/14/2020	ACH2297	FLUID CONTROL SPECIALTIES, INC.	\$	4,125.38
02/14/2020	ACH2298	FRONTIER COMMUNICATIONS	\$	220.98
02/14/2020	ACH2299	Hach Company	\$	1,261.13

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
02/14/2020	ACH2300	HDR ENGINEERING INC.	\$	23,526.38
02/14/2020	ACH2301	HVMI, LLC	\$	4,896.00
02/14/2020	ACH2302	IDEXX DISTRIBUTION INC	\$	229.33
02/14/2020	ACH2303	J. H. HAM ENGINEERING INC.	\$	43,907.80
02/14/2020	ACH2304	Jacobi Carbons Inc	\$	31,285.20
02/14/2020	ACH2305	JAN-PRO OF MANASOTA	\$	249.00
02/14/2020	ACH2306	KEETON'S OFFICE & ART SUPPLY	\$	979.65
02/14/2020	ACH2307	MANSON BOLVES DONALDSON VARN, P.A.	\$	20,520.00
02/14/2020	ACH2308	MCMASTER-CARR SUPPLY CO	\$	1,282.35
02/14/2020	ACH2309	Natural Resources LLC	\$	54,353.10
02/14/2020	ACH2310	PRO-CHEM INC.	\$	242.70
02/14/2020	ACH2311	PROGRESSIVE WATER RESOURCES, LLC	\$	63,426.00
02/14/2020	ACH2312	PUBLIC RISK INSURANCE AGENCY	\$	1,594.00
02/14/2020	ACH2313	SAMUEL STONE	\$	83.84
02/14/2020	ACH2314	SUNSHINE ACE HARDWARE	\$	52.54
02/14/2020	ACH2315	TERRI BRUMFIELD	\$	140.00
02/14/2020	ACH2316	UPS	\$	102.58
02/14/2020	ACH2317	USA Bluebook	\$	435.60
02/14/2020	ACH2318	VANASSE HANGEN BRUSTLIN, INC	\$	4,340.96
02/14/2020	ACH2319	Vertiv Corporation	\$	2,648.40
02/14/2020	ADBT021420	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
02/14/2020	DBT021420	United States Treasury	\$	29,849.34
02/14/2020	dbt21420	Valic	\$	8,130.31
02/25/2020	AUTO2252020	PNC Bank	\$	9,114.61
02/27/2020		QuickBooks Payroll Service	\$	91,860.14
02/28/2020	ACH2320	ADVANTAGE CARE INC.	\$	40.00
02/28/2020	ACH2321	AIRGAS SPECIALTY PRODUCTS	\$	3,042.98
02/28/2020	ACH2322	AIRGAS USA, LLC	\$	59.83
02/28/2020	ACH2323	ALL FLORIDA WATER-TAMPA	\$	211.58
02/28/2020	ACH2324	ALLIED ELECTRONICS, INC.	\$	814.91
02/28/2020	ACH2325	ALLIED UNIVERSAL CORP.	\$	13,659.04
02/28/2020	ACH2326	ATKINS NORTH AMERICA, INC.	\$	2,669.39
02/28/2020	ACH2327	BENCHMARK ENVIROANALYTICAL INC	\$	6,133.42
02/28/2020	ACH2328	Brenntag Mid-South Inc	\$	94,576.88
02/28/2020	ACH2329	C & S CHEMICALS INC.	\$	32,770.34
02/28/2020	ACH2330	CINTAS FIRE 636525	\$	3,142.10
02/28/2020	ACH2331	CORONADO LAWN SERVICE OF FL	\$	6,690.00
02/28/2020	ACH2332	Entech	\$	4,436.50
02/28/2020	ACH2333	Hach Company	\$	5,724.34
02/28/2020	ACH2334	HDR ENGINEERING INC.	\$	26,706.15
02/28/2020	ACH2335	HVMI, LLC	\$	100.00
02/28/2020	ACH2336	Instrument Specialties INC	\$	2,847.77
02/28/2020	ACH2337	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00
02/28/2020	ACH2338	JANICKI ENVIRONMENTAL, INC.	\$	13,130.00
02/28/2020	ACH2339	KEETON'S OFFICE & ART SUPPLY	\$	313.84
02/28/2020	ACH2340	MCMASTER-CARR SUPPLY CO	\$	2,408.86
02/28/2020	ACH2341	PRO-CHEM INC.	\$	672.14
02/28/2020	ACH2342	PROGRESSIVE WATER RESOURCES, LLC	\$	23,740.00
02/28/2020	ACH2343	Rvan Herco Products Corp	\$	335.40
02/28/2020	ACH2343 ACH2344	SARASOTA CHAMBER OF COMMERCE	э \$	382.00
02/28/2020	ACH2345	STANTEC CONSULTING SERVICES	э \$	34,016.88
02/28/2020	ACH2346	SUNSHINE ACE HARDWARE	\$ \$	285.59
			Ŷ	25,745.69
02/28/2020	ACH2347	TKW CONSULTING ENGINEERS, INC.	\$	-
02/28/2020	ACH2348	TRULY NOLEN BRANCH 079	\$	258.00
02/28/2020	ACH2349	UPS USA Bluebeck	\$	32.10
02/28/2020	ACH2350	USA Bluebook	\$	79.96
02/28/2020	ACH2351	VONDELL NELSON	\$	312.45
02/28/2020	ACH2352	VOYAGER FLEET SYSTEMS, INC.	\$	2,167.84
02/28/2020 02/28/2020	38590	Apple Video & Photography Studio	\$	1,495.00 90.00
	38591	AWWA	\$	90.0

	Description	PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
02/28/2020	38592	BILL'S BOTTLED WATER SERVICE	\$	32.
02/28/2020	38593	Braden River Utilities, LLC	\$	112.
02/28/2020	38594	CED - Port Charlotte	\$	272.
02/28/2020	38595	CENTURYLINK	\$	386
02/28/2020	38596	CHENANGO SUPPLY CO., INC.	\$	152
02/28/2020	38597	CINTAS	\$	172
02/28/2020	38598	COLE-PARMER INSTRUMENT CO.	\$	44
02/28/2020	38599	D. M. CONSTRUCTION CORP.	\$	13,495
02/28/2020	38600	DESOTO AUTOMOTIVE ENTERPRISES INC	\$	3,881
02/28/2020	38601	DMS-FINANCIAL MGMT SERVICES	\$	372
02/28/2020	38602	FLORIDA DEPARTMENT OF STATE	\$	150
02/28/2020	38603	FLORIDA DEPT OF ENVIRONMENTAL PROT	\$	650
02/28/2020	38604	FLORIDA POWER & LIGHT COMPANY	\$	118,942
02/28/2020	38605	GRAINGER	\$	75
02/28/2020	38606	HAZEN AND SAWYER	\$	19,568
02/28/2020	38607	Locher Environmental LLC	\$	2,631
02/28/2020	38608	MANATEE CHAMBER OF COMMERCE	\$	820
02/28/2020	38609	MSC INDUSTRIAL SUPPLY CO.	\$	3,058
02/28/2020	38610	REXEL USA Inc.	\$	173
02/28/2020	38611	SAM'S CLUB	\$	52
02/28/2020	38612	SARASOTA HERALD TRIBUNE	\$	181
02/28/2020	38613	Sherwin-Williams	\$	207
02/28/2020	38614	THE SUN	\$	111
02/28/2020	38615	TIRE KINGDOM	\$	741
02/28/2020	38616	VERIZON WIRELESS	\$	15
02/28/2020	38617	VOLUNTARY EXTRA DUTY ACCOUNT	\$	315
02/28/2020	ADBT22820	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615
02/28/2020	dbt22820	United States Treasury	\$	30,718
02/28/2020	dbt022820	Valic	\$	8,366
02/28/2020	DBT022820	FLORIDA DIVISION OF RETIREMENT	\$	32,968
			Total \$	3,801,372.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

CHECK REGISTER: JANUARY & FEBRUARY 2020

PUBLIC FUNDS INTEREST CHECKING (PNC)						
Date	Document Number	Payee Name / Description		Amount		
01/31/2020	ACH2246	Advanced Overhead Systems	\$	2,318.00		
02/28/2020	ACH2320	ADVANTAGE CARE INC.	\$	40.00		
01/03/2020	ACH2163	AECOM TECHNICAL SERVICES, INC.	\$	536.50		
01/17/2020	ACH2198	AIR CENTERS-FLORIDA	\$	3,221.22		
01/31/2020	ACH2247	AIR CENTERS-FLORIDA	\$	49,269.82		
01/03/2020	ACH2164	Air Mechanical & Service Corp.	\$	1,081.68		
01/17/2020	ACH2199	Air Mechanical & Service Corp.	\$	2,900.00		
01/31/2020	ACH2248	Air Mechanical & Service Corp.	\$	6,325.52		
02/14/2020	ACH2282	Air Mechanical & Service Corp.	\$	249.78		
01/03/2020	ACH2165	AIRGAS SPECIALTY PRODUCTS	\$	3,084.77		
01/31/2020	ACH2249	AIRGAS SPECIALTY PRODUCTS	\$	3,170.97		
02/28/2020	ACH2321	AIRGAS SPECIALTY PRODUCTS	\$	3,042.98		
01/03/2020	ACH2166	AIRGAS USA, LLC	\$	58.63		
01/31/2020	ACH2250	AIRGAS USA, LLC	\$	59.83		
02/28/2020	ACH2322	AIRGAS USA, LLC	\$	59.83		
01/17/2020	ACH2200	Alan Jay Automotive Management, Inc.	\$	22,317.00		
01/31/2020	ACH2251	Alan Jay Automotive Management, Inc.	\$	57,005.00		
01/31/2020	ACH2252	ALFA LAVAL INC.	\$	1,039.62		
01/17/2020	ACH2201	ALL FLORIDA WATER-TAMPA	\$	211.58		
02/28/2020	ACH2323	ALL FLORIDA WATER-TAMPA	\$	211.58		
01/03/2020	ACH2167	ALLIED ELECTRONICS, INC.	\$	4,578.18		
01/17/2020	ACH2202	ALLIED ELECTRONICS, INC.	\$	246.74		
01/31/2020	ACH2253	ALLIED ELECTRONICS, INC.	\$	85.20		
02/28/2020	ACH2324	ALLIED ELECTRONICS, INC.	\$	814.91		
01/03/2020	ACH2168	ALLIED UNIVERSAL CORP.	\$	13,611.83		
01/17/2020	ACH2203	ALLIED UNIVERSAL CORP.	\$	14,132.93		
01/31/2020	ACH2254	ALLIED UNIVERSAL CORP.	\$	9,171.83		
02/14/2020	ACH2283	ALLIED UNIVERSAL CORP.	\$	11,595.21		
02/28/2020	ACH2325	ALLIED UNIVERSAL CORP.	\$	13,659.04		
01/03/2020	38502	AMAZON	\$	319.68		
02/14/2020	38566	AMAZON	\$	1,815.77		
01/17/2020	38516	ANIXTER INC.	\$	1,594.28		
02/28/2020	38590	Apple Video & Photography Studio	\$	1,495.00		
01/03/2020	ACH2169	ATKINS NORTH AMERICA, INC.	\$	430.26		
01/31/2020	ACH2255	ATKINS NORTH AMERICA, INC.	\$	41,291.38		
02/28/2020	ACH2326	ATKINS NORTH AMERICA, INC.	\$	2,669.39		
02/14/2020	ACH2284	Atlas Fence Company, INC.	\$	1,435.00		
01/03/2020	38503	AWWA	\$	790.00		
02/28/2020	38591	AWWA	\$	90.00		
01/03/2020	ACH2170	BENCHMARK ENVIROANALYTICAL INC	\$	5,028.10		
01/17/2020	ACH2204	BENCHMARK ENVIROANALYTICAL INC	\$	400.26		
01/31/2020	ACH2256	BENCHMARK ENVIROANALYTICAL INC	\$	5,793.42		
02/14/2020	ACH2285	BENCHMARK ENVIROANALYTICAL INC	\$	1,904.26		
02/28/2020	ACH2327	BENCHMARK ENVIROANALYTICAL INC	\$	6,133.42		
01/17/2020	38517	BILL'S BOTTLED WATER SERVICE	\$	11.25		
02/28/2020	38592	BILL'S BOTTLED WATER SERVICE	\$	32.25		
01/17/2020	ACH2205		\$	60,038.02		
01/31/2020	ACH2257	BLACK & VEATCH	\$	43,339.04		
01/31/2020	ACH2258	BLUSITE SOLUTIONS OF SOUTHWEST FLORIDA	\$	435.00		
02/14/2020	ACH2286	BLUSITE SOLUTIONS OF SOUTHWEST FLORIDA	\$	217.50		
01/17/2020	38518	Braden River Utilities, LLC	\$	78.57		
02/28/2020	38593	Braden River Utilities, LLC	\$	112.95		
01/03/2020	ACH2171	Brenntag Mid-South Inc	\$	36,431.69		
01/17/2020	ACH2206	Brenntag Mid-South Inc	\$	36,395.33		
01/31/2020	ACH2259	Brenntag Mid-South Inc	\$	21,893.47		
02/28/2020	ACH2328	Brenntag Mid-South Inc	\$	94,576.88		
01/03/2020	ACH2172	Briggs Equipment Inc.	\$	373.00		
02/14/2020	ACH2287	Briggs Equipment Inc.	\$	619.46		
01/31/2020	38542	Buffalo Graffix	\$	850.00		
01/03/2020	ACH2173	C & S CHEMICALS INC.	\$	52,933.05		

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Data	Document	Payee Name / Description		Amount
Date	Number			Amount
01/17/2020	ACH2207	C & S CHEMICALS INC.	\$	92,787.02
01/31/2020	ACH2260	C & S CHEMICALS INC.	\$	52,800.12
02/14/2020	ACH2288	C & S CHEMICALS INC.	\$	65,193.90
02/28/2020	ACH2329	C & S CHEMICALS INC.	\$	32,770.34
01/03/2020	38504	CED - Port Charlotte	\$	242.50
01/17/2020	38519	CED - Port Charlotte	\$	1,405.15
01/31/2020	38543	CED - Port Charlotte	\$	662.00
02/14/2020	38567	CED - Port Charlotte	\$	2,393.95
02/28/2020	38594	CED - Port Charlotte	\$	272.31
01/03/2020	38505	CENTURYLINK	\$	780.25
01/17/2020	38520	CENTURYLINK	\$	1,981.08
02/14/2020	38568	CENTURYLINK	\$	1,407.66
02/28/2020	38595	CENTURYLINK	\$	386.16
01/17/2020	ACH2208	CHARLOTTE COUNTY BCC - LANDFILL	\$	5,339.57
02/14/2020	ACH2289	CHARLOTTE COUNTY BCC - LANDFILL	\$	3,590.66
02/14/2020	ACH2290	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	196,686.92
01/17/2020	ACH2209	CHARLOTTE COUNTY UTILITIES	\$	164,694.84
02/14/2020	ACH2291	CHARLOTTE COUNTY UTILITIES	\$	164,694.84
01/31/2020	38544	CHARLOTTE PLUMBING K & BATH INC.	\$	320.00
02/14/2020	38569	CHARLOTTE PLUMBING K & BATH INC.	\$	165.00
01/31/2020	38545	CHENANGO SUPPLY CO., INC.	\$	218.80
02/28/2020	38596	CHENANGO SUPPLY CO., INC.	\$ \$	152.16
01/03/2020	38506	CINTAS	ֆ \$	284.56
		CINTAS	ֆ \$	
01/31/2020	38546			210.80
02/28/2020	38597		\$	172.28
02/14/2020	ACH2292	CINTAS FIRE 636525	\$	1,395.00
02/28/2020	ACH2330	CINTAS FIRE 636525	\$	3,142.10
02/28/2020	38598	COLE-PARMER INSTRUMENT CO.	\$	44.81
01/31/2020	ACH2261	Commercial Painting SWFL LLC	\$	14,235.00
02/14/2020	ACH2293	Commercial Painting SWFL LLC	\$	8,850.00
01/17/2020	ACH2210	CORONADO LAWN SERVICE OF FL	\$	2,072.50
02/28/2020	ACH2331	CORONADO LAWN SERVICE OF FL	\$	6,690.00
01/17/2020	ACH2211	Cummins Power South	\$	841.84
01/03/2020	38507	D. M. CONSTRUCTION CORP.	\$	13,178.87
01/31/2020	38547	D. M. CONSTRUCTION CORP.	\$	8,862.28
02/28/2020	38599	D. M. CONSTRUCTION CORP.	\$	13,495.46
01/03/2020	ACH2174	Daniel J Roberts (V)	\$	58.00
01/31/2020	ACH2262	David Badder (V)	\$	35.00
02/28/2020	38600	DESOTO AUTOMOTIVE ENTERPRISES INC	\$	3,881.97
01/17/2020	ACH2212	DESOTO COUNTY (V)	\$	66,333.33
02/14/2020	ACH2294	DESOTO COUNTY (V)	\$	66,333.33
02/14/2020	38570	DESOTO COUNTY WATER UTILITY	\$	1,606.59
01/17/2020	38521	DEX IMAGING	\$	1,869.81
01/17/2020	ACH2213	DIANE R. SALZ	\$	4,250.00
02/14/2020	ACH2295	DIANE R. SALZ	\$	4,250.00
01/03/2020	ACH2175	DMK ASSOCIATES	\$	2,157.50
01/17/2020	ACH2214	DMK ASSOCIATES	\$	10,473.75
01/31/2020	ACH2263	DMK ASSOCIATES	\$	7,696.25
01/17/2020	38522	DMS-FINANCIAL MGMT SERVICES	\$	367.44
01/31/2020	38548	DMS-FINANCIAL MGMT SERVICES	\$	372.61
02/28/2020	38601	DMS-FINANCIAL MGMT SERVICES	\$	372.59
01/31/2020	38550	DOLPHIN TRANSPORTATION SPECIALISTS	\$	682.59
01/03/2020	ACH2176	Doug Morton	\$	144.00
01/03/2020	ACH2177	DOUGLAS LEATH	\$	210.00
01/31/2020	38551	DVD Consulting Inc.	\$	498.00
01/17/2020	ACH2215	E.F. GAINES SURVEYING SERVICES, INC	\$	4,600.00
01/03/2020	ACH2178	EARTH BALANCE	\$	7,566.82
01/17/2020	ACH2216	EARTH BALANCE	\$ \$	10,160.00
02/14/2020	ACH2216 ACH2296	EARTH BALANCE	э \$	7,807.27
01/17/2020	ACH2290 ACH2217	Entech	э \$	4,436.50
01/11/2020			φ	+,+50.50

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
01/31/2020	ACH2264	Entech	\$	4,436.50	
02/28/2020	ACH2332	Entech	\$	4,436.50	
01/31/2020	ACH2265	EUROFINS EATON ANALYTICAL, LLC	\$	1,263.00	
02/14/2020	38571	FENDER'S TIRE & BATTERY INC.	\$	1,900.20	
01/03/2020	38508	Fisher Scientific	\$	1,051.81	
01/17/2020	38523	Fisher Scientific	\$	2,171.08	
01/31/2020	38552	Fisher Scientific	\$	1,026.10	
02/14/2020	38572	Fisher Scientific	\$	551.33	
02/14/2020	38573	FLA GOV'T FINANCE OFFICERS ASSOC	\$	50.00	
02/28/2020	38602	FLORIDA DEPARTMENT OF STATE	\$	150.00	
02/28/2020	38603	FLORIDA DEPT OF ENVIRONMENTAL PROT	\$	650.00	
01/17/2020	38524	FLORIDA DEPT OF TRANSPORTATION	\$	7.86	
01/31/2020	dbt013121	FLORIDA DIVISION OF RETIREMENT	\$	57,586.01	
02/28/2020	DBT022820	FLORIDA DIVISION OF RETIREMENT	\$	32,968.85	
01/03/2020	38509	FLORIDA POWER & LIGHT COMPANY	\$	138,215.48	
01/31/2020	38553	FLORIDA POWER & LIGHT COMPANY	\$	126,130.86	
02/28/2020	38604	FLORIDA POWER & LIGHT COMPANY	\$	118,942.55	
01/03/2020	ACH2179	Flotech, INC	\$	8,106.30	
01/03/2020	ACH2180	FLUID CONTROL SPECIALTIES, INC.	\$	4,215.00	
01/17/2020	ACH2218	FLUID CONTROL SPECIALTIES, INC.	\$	1,197.39	
01/31/2020	ACH2266	FLUID CONTROL SPECIALTIES, INC.	\$	921.00	
02/14/2020	ACH2297 ACH2219	FLUID CONTROL SPECIALTIES, INC. FRONTIER COMMUNICATIONS	\$ \$	4,125.38	
01/17/2020 02/14/2020	ACH2219 ACH2298	FRONTIER COMMUNICATIONS	\$ \$	220.98 220.98	
02/14/2020	ACH2296 ACH2267	George Pennell (V)	ֆ \$	220.98	
01/31/2020	38525	GRAINGER	ֆ \$	844.56	
02/28/2020	38605	GRAINGER	\$ \$	75.32	
01/03/2020	ACH2181	Hach Company	\$	299.45	
01/17/2020	ACH2220	Hach Company	φ \$	605.89	
01/31/2020	ACH2268	Hach Company	\$	2,192.75	
02/14/2020	ACH2299	Hach Company	\$	1,261.13	
02/28/2020	ACH2333	Hach Company	\$	5,724.34	
01/03/2020	ACH2182	HALFACRE CONSTRUCTION COMPANY	\$	37,132.00	
01/17/2020	38526	HAZEN AND SAWYER	\$	9,810.20	
02/28/2020	38606	HAZEN AND SAWYER	\$	19,568.60	
01/03/2020	ACH2183	HDR ENGINEERING INC.	\$	24,191.68	
02/14/2020	ACH2300	HDR ENGINEERING INC.	\$	23,526.38	
02/28/2020	ACH2334	HDR ENGINEERING INC.	\$	26,706.15	
01/03/2020	ACH2184	Hilltop Securities	\$	3,000.00	
01/31/2020	38554	HOME DEPOT	\$	319.00	
02/14/2020	38574	HOME DEPOT	\$	339.70	
02/14/2020	ACH2301	HVMI, LLC	\$	4,896.00	
02/28/2020	ACH2335	HVMI, LLC	\$	100.00	
01/03/2020	ACH2185	IDEXX DISTRIBUTION INC	\$	986.61	
02/14/2020	ACH2302	IDEXX DISTRIBUTION INC	\$	229.33	
02/14/2020	38575	INSTRUMENT & VALVE SERVICES COMPANY	\$	429.70	
02/28/2020	ACH2336	Instrument Specialties INC	\$	2,847.77	
02/14/2020	38576	ISA	\$	130.00	
01/03/2020	ACH2186	J. H. HAM ENGINEERING INC.	\$	22,388.52	
01/17/2020	ACH2221	J. H. HAM ENGINEERING INC.	\$	43,862.48	
02/14/2020	ACH2303	J. H. HAM ENGINEERING INC.	\$	43,907.80	
01/17/2020	ACH2222	Jacobi Carbons Inc	\$	32,010.60	
01/31/2020	ACH2269	Jacobi Carbons Inc	\$	31,210.80	
02/14/2020	ACH2304		\$	31,285.20	
01/17/2020	ACH2224	JANICKI ENVIRONMENTAL, INC.	\$	18,895.00	
02/28/2020		JANICKI ENVIRONMENTAL, INC.	\$ \$	13,130.00	
01/03/2020	ACH2187	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA		495.00	
01/31/2020	ACH2270	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$ ¢	495.00	
02/28/2020 01/17/2020	ACH2337 ACH2223	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA JAN-PRO OF MANASOTA	\$ \$	495.00 249.00	
01/11/2020	TOTIZZZJ		Þ	249.00	

Alphabetically by vendor	
PUBLIC FUNDS INTEREST CHECKING (PNC)	

Date Document Number Payee Name / Description 02/14/2020 ACH2305 JAN-PRO OF MANASOTA \$ 01/17/2020 ACH2225 JESSICA BENSON \$ 01/03/2020 38510 KED GROUP INC. \$ 01/17/2020 38527 KED GROUP INC. \$	Amount 249.00 4,167.47 5,382.00
02/14/2020 ACH2305 JAN-PRO OF MANASOTA \$ 01/17/2020 ACH2225 JESSICA BENSON \$ 01/03/2020 38510 KED GROUP INC. \$ 01/17/2020 38527 KED GROUP INC. \$	4,167.47
01/17/2020 ACH2225 JESSICA BENSON \$ 01/03/2020 38510 KED GROUP INC. \$ 01/17/2020 38527 KED GROUP INC. \$	4,167.47
01/03/2020 38510 KED GROUP INC. \$ 01/17/2020 38527 KED GROUP INC. \$	
01/17/2020 38527 KED GROUP INC. \$	-,
	13,552.00
02/14/2020 38577 KED GROUP INC. \$	5,382.00
01/03/2020 ACH2188 KEETON'S OFFICE & ART SUPPLY \$	691.41
01/17/2020 ACH2226 KEETON'S OFFICE & ART SUPPLY \$	789.32
01/31/2020 ACH2271 KEETON'S OFFICE & ART SUPPLY \$	22.03
02/14/2020 ACH2306 KEETON'S OFFICE & ART SUPPLY \$	979.65
02/28/2020 ACH2339 KEETON'S OFFICE & ART SUPPLY \$	313.84
01/17/2020 ACH2227 KING ENGINEERING ASSOCIATES INC \$	2,175.00
01/03/2020 38511 L.I.S. INC. \$	201.32
01/03/2020 38512 Locher Environmental LLC \$	4,088.00
02/28/2020 38607 Locher Environmental LLC \$	2,631.00
01/17/2020 38528 LWR Town Center Association Inc \$	2,263.35
01/17/2020 ACH2228 M&M CONTRACTORS INC. \$	4,897.60
02/14/2020 38578 Mader Electric Motors \$	1,700.00
02/28/2020 38608 MANATEE CHAMBER OF COMMERCE \$	820.00
01/17/2020 38529 Manatee County Utilities Department \$	307.45
02/14/2020 38579 Manatee County Utilities Department \$	308.17
02/14/2020 ACH2307 MANSON BOLVES DONALDSON VARN, P.A. \$	20,520.00
01/31/2020 ACH2272 Martin Septic Service INC \$	650.00
01/17/2020 38530 McCABE & ASSOCIATES \$	2,800.00
02/14/2020 ACH2308 MCMASTER-CARR SUPPLY CO \$	1,282.35
02/28/2020 ACH2340 MCMASTER-CARR SUPPLY CO \$	2,408.86
01/17/2020 ACH2229 Mike Coates (v) \$	231.00
01/17/2020 38531 MSC INDUSTRIAL SUPPLY CO. \$	2,371.27
02/28/2020 38609 MSC INDUSTRIAL SUPPLY CO. \$	3,058.03
02/14/2020 ACH2309 Natural Resources LLC \$	54,353.10
01/17/2020 38532 NaturZone Pest Control \$	76.00
02/14/2020 38580 NaturZone Pest Control \$	76.00
01/17/2020 ACH2230 PATRICK J LEHMAN \$	465.50
01/03/2020 38513 PITNEY BOWES \$	200.00
01/17/2020 38533 Pitney Bowes- Lease \$	209.85
01/03/2020 ACH2189 PMC ENGINEERING LLC \$	718.74
01/24/2020 AUTO012520 PNC Bank \$	4,996.41
02/25/2020 AUTO2252020 PNC Bank \$	9,114.61
01/17/2020 ACH2231 Practical HR Solutions \$	1,000.00
01/17/2020 ACH2232 PRO-CHEM INC. \$	798.18
02/14/2020 ACH2310 PRO-CHEM INC. \$	242.70
02/28/2020 ACH2341 PRO-CHEM INC. \$	672.14
01/31/2020 ACH2273 PROGRESSIVE WATER RESOURCES, LLC \$	3,930.00
02/14/2020 ACH2311 PROGRESSIVE WATER RESOURCES, LLC \$	63,426.00
02/28/2020 ACH2342 PROGRESSIVE WATER RESOURCES, LLC \$	23,740.00
01/31/2020 ACH2274 PUBLIC RISK INSURANCE AGENCY \$	797.00
02/14/2020 ACH2312 PUBLIC RISK INSURANCE AGENCY \$	1,594.00
01/17/2020 ACH2233 PURVIS GRAY & COMPANY \$	14,712.50
01/02/2020 QuickBooks Payroll Service \$	92,877.51
01/16/2020 QuickBooks Payroll Service \$	88,865.99
01/30/2020 QuickBooks Payroll Service \$	90,431.57
02/13/2020 QuickBooks Payroll Service \$	89,015.68
02/27/2020 QuickBooks Payroll Service \$	91,860.14
01/31/2020 38555 REXEL USA Inc. \$	709.85
02/14/2020 38581 REXEL USA Inc. \$	11,945.49
02/28/2020 38610 REXEL USA Inc. \$	173.28
01/17/2020 38534 RING POWER CORPORATION \$	642.00
01/31/2020 38556 RING POWER CORPORATION \$	535.00
01/31/2020 38557 ROGERS PETROLEUM, INC. \$	416.62
01/03/2020 ACH2190 Ryan Herco Products Corp \$	1,438.43
02/28/2020 ACH2343 Ryan Herco Products Corp \$	335.40

		Alphabetically by Vendor PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document	Payee Name / Description		Amount
01/31/2020	Number ACH2275	SAFETY SHOE DISTRIBUTORS, LLP	\$	2,580.50
02/14/2020	38582	SAM'S CLUB	\$	119.25
02/28/2020	38611	SAM'S CLUB	\$	52.97
01/03/2020	ACH2191	SAMUEL STONE	\$	753.72
02/14/2020	ACH2313	SAMUEL STONE		83.84
02/28/2020	ACH2344	SARASOTA CHAMBER OF COMMERCE	\$ \$	382.00
01/17/2020	38535	SARASOTA COUNTY ENVIRONMENTAL UTILITIES	\$	13,543.56
01/17/2020	38536	SARASOTA HERALD TRIBUNE		93.50
01/31/2020	38558	SARASOTA HERALD TRIBUNE	\$ \$	382.25
02/28/2020	38612	SARASOTA HERALD TRIBUNE	\$	181.50
02/14/2020	38583	SARASOTA TROPHY & AWARDS INC.	\$	440.50
01/03/2020	ACH2192	Shawn Lewis (V)	\$	144.00
02/28/2020	38613	Sherwin-Williams	\$	207.65
01/17/2020	38537	SHIPPING POST	\$	29.66
02/14/2020	38584	SOUTHWEST MOBILE MECHANIC	\$	2,675.00
01/03/2020	ACH2193	STANTEC CONSULTING SERVICES	\$	11,215.00
01/17/2020	ACH2234	STANTEC CONSULTING SERVICES	\$	1,780.00
01/31/2020	ACH2276	STANTEC CONSULTING SERVICES	\$ \$	55,549.90
02/28/2020	ACH2345	STANTEC CONSULTING SERVICES	\$	34,016.88
01/03/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.29
01/17/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$ \$	699.29
01/31/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.29
02/14/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
02/28/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
02/14/2020	38585	SUNBELT RENTALS	\$ \$	225.00
01/03/2020	ACH2194		ծ \$	150.08
01/17/2020	ACH2235 ACH2277	SUNSHINE ACE HARDWARE SUNSHINE ACE HARDWARE		46.55 144.46
01/31/2020 02/14/2020	ACH2277 ACH2314	SUNSHINE ACE HARDWARE	\$ \$	52.54
02/28/2020	ACH2346	SUNSHINE ACE HARDWARE	э \$	285.59
01/03/2020	ACH2340 ACH2195	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
01/31/2020	ACH2133	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
02/14/2020	ACH2315	TERRI BRUMFIELD	\$	140.00
01/17/2020	ACH2236	Terri Holcomb (V)	\$	368.50
01/17/2020	38538	THE SUN		57.20
01/31/2020	38559	THE SUN	\$ \$	183.04
02/28/2020	38614	THE SUN	\$	111.54
02/14/2020	38586	THERMO ELECTRON NORTH AMERICA LLC	\$	1,036.00
01/03/2020	ACH2196	TIM PITTMAN	\$	144.00
01/31/2020	38560	TIRE KINGDOM	\$	840.51
02/28/2020	38615	TIRE KINGDOM	\$	741.15
01/17/2020	ACH2237	TKW CONSULTING ENGINEERS, INC.	\$	9,377.00
02/28/2020	ACH2347	TKW CONSULTING ENGINEERS, INC.	\$	25,745.69
01/03/2020	38514	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	579.97
01/17/2020	38539	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	112.25
01/31/2020	38561	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	86.94
01/17/2020	ACH2238	TRINOVA INC.	\$	2,331.47
01/17/2020	ACH2239	TRULY NOLEN BRANCH 079	\$	258.00
02/28/2020	ACH2348	TRULY NOLEN BRANCH 079	\$	258.00
01/03/2020	38515	TRULY NOLEN OF AMERICA	\$	495.00
01/31/2020	38562	TRULY NOLEN OF AMERICA	\$	260.00
01/17/2020	38540	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
02/14/2020	38587	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
01/31/2020	38563	U.S. TENT RENTAL INC.	\$	4,240.96
01/17/2020	ACH2240	ULINE	\$	97.02
01/31/2020	38564		\$	3,853.20
02/14/2020	38588	UNITED STATES GEOLOGICAL SURVEY	\$	7,835.00
01/03/2020	DBT010320	United States Treasury	\$	31,928.98
01/17/2020	DBT011720	United States Treasury	\$	34,993.18
01/31/2020	DBT013120	United States Treasury	\$	30,745.64

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
02/14/2020	DBT021420	United States Treasury	\$	29,849.34	
02/28/2020	dbt22820	United States Treasury	\$	30,718.74	
01/03/2020	ACH2197	UPS	\$	37.61	
01/17/2020	ACH2241	UPS	\$	500.18	
01/31/2020	ACH2279	UPS	\$	206.41	
02/14/2020	ACH2316	UPS	\$	102.58	
02/28/2020	ACH2349	UPS	\$	32.10	
01/17/2020	ACH2242	US Plastic Corp	\$ \$	28.52	
01/31/2020	ACH2280	US Plastic Corp	\$	4,454.52	
01/17/2020	ACH2243	USA Bluebook	\$	2,201.01	
01/31/2020	ACH2281	USA Bluebook	\$	1,422.85	
02/14/2020	ACH2317	USA Bluebook	\$	435.60	
02/28/2020	ACH2350	USA Bluebook	\$ \$	79.96	
01/03/2020	dbt010320	Valic	\$	7,777.43	
01/17/2020	dbt011720	Valic	\$	33,803.49	
01/31/2020	dbt013120	Valic	\$	8,198.15	
02/14/2020	dbt21420	Valic	\$	8,130.31	
02/28/2020	dbt022820	Valic	\$	8,366.32	
01/17/2020	ACH2244	VANASSE HANGEN BRUSTLIN, INC	\$	3,489.88	
02/14/2020	ACH2318	VANASSE HANGEN BRUSTLIN, INC	\$	4,340.96	
01/31/2020	38565	VERIZON WIRELESS	\$	17.03	
02/28/2020	38616	VERIZON WIRELESS	\$	15.51	
02/14/2020	ACH2319	Vertiv Corporation	\$	2,648.40	
02/28/2020	38617	VOLUNTARY EXTRA DUTY ACCOUNT	\$	315.00	
02/28/2020	ACH2351	VONDELL NELSON	\$	312.45	
01/17/2020	ACH2245	VOYAGER FLEET SYSTEMS, INC.	\$	1,568.53	
02/28/2020	ACH2352	VOYAGER FLEET SYSTEMS, INC.	\$	2,167.84	
01/17/2020	38541	WOMACK SANITATION INC.	\$	750.00	
02/14/2020	38589	WOMACK SANITATION INC.	\$	298.00	
01/31/2020			\$	392.63	
			Total \$	3,801,372.15	

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document	Payee Name / Description		Amount
	Number	CHARLOTTE COUNTY BD OF COMMISSIONER	¢	
02/14/2020 01/17/2020	ACH2290 ACH2209	CHARLOTTE COUNTY BD OF COMMISSIONER CHARLOTTE COUNTY UTILITIES	\$ \$	196,686.92 164,694.84
02/14/2020	ACH2209 ACH2291	CHARLOTTE COUNTY UTILITIES	э \$	164,694.84
01/03/2020	38509	FLORIDA POWER & LIGHT COMPANY	э \$	138,215.48
01/31/2020	38553	FLORIDA POWER & LIGHT COMPANY	ъ \$	126,130.86
02/28/2020	38604	FLORIDA POWER & LIGHT COMPANY	» \$	120,130.00
02/28/2020	ACH2328	Brenntag Mid-South Inc	ъ \$	94,576.88
01/02/2020	AG112320	QuickBooks Payroll Service	э \$	92,877.51
01/17/2020	ACH2207	C & S CHEMICALS INC.	\$ \$	92,787.02
02/27/2020	AG112207	QuickBooks Payroll Service	\$	91,860.14
01/30/2020		QuickBooks Payroll Service	\$ \$	90,431.57
02/13/2020		QuickBooks Payroll Service	\$	89,015.68
01/16/2020		QuickBooks Payroll Service	\$	88,865.99
01/17/2020	ACH2212	DESOTO COUNTY (V)	\$	66,333.33
02/14/2020	ACH2294	DESOTO COUNTY (V)	\$	66,333.33
02/14/2020	ACH2288	C & S CHEMICALS INC.	\$	65,193.90
02/14/2020	ACH2311	PROGRESSIVE WATER RESOURCES, LLC	\$	63,426.00
01/17/2020	ACH2205	BLACK & VEATCH	\$	60,038.02
01/31/2020	dbt013121	FLORIDA DIVISION OF RETIREMENT		57,586.01
01/31/2020	ACH2251	Alan Jay Automotive Management, Inc.	\$ \$	57,005.00
01/31/2020	ACH2276	STANTEC CONSULTING SERVICES	\$	55,549.90
02/14/2020	ACH2309	Natural Resources LLC	\$	54,353.10
01/03/2020	ACH2173	C & S CHEMICALS INC.	\$	52,933.05
01/31/2020	ACH2260	C & S CHEMICALS INC.	\$	52,800.12
01/31/2020	ACH2200	AIR CENTERS-FLORIDA	\$	49,269.82
02/14/2020	ACH2303	J. H. HAM ENGINEERING INC.	\$	43,907.80
01/17/2020	ACH2221	J. H. HAM ENGINEERING INC.	\$	43,862.48
01/31/2020	ACH2257	BLACK & VEATCH	\$	43,339.04
01/31/2020	ACH2255	ATKINS NORTH AMERICA, INC.		41,291.38
01/03/2020	ACH2182	HALFACRE CONSTRUCTION COMPANY	\$ \$ \$	37,132.00
01/03/2020	ACH2171	Brenntag Mid-South Inc	\$	36,431.69
01/17/2020	ACH2206	Brenntag Mid-South Inc		36,395.33
01/17/2020	DBT011720	United States Treasury	\$	34,993.18
02/28/2020	ACH2345	STANTEC CONSULTING SERVICES	\$ \$ \$	34,016.88
01/17/2020	dbt011720	Valic	\$	33,803.49
02/28/2020	DBT022820	FLORIDA DIVISION OF RETIREMENT	\$	32,968.85
02/28/2020	ACH2329	C & S CHEMICALS INC.	\$	32,770.34
01/17/2020	ACH2222	Jacobi Carbons Inc	\$	32,010.60
01/03/2020	DBT010320	United States Treasury	\$	31,928.98
02/14/2020	ACH2304	Jacobi Carbons Inc	\$	31,285.20
01/31/2020	ACH2269	Jacobi Carbons Inc	\$	31,210.80
01/31/2020	DBT013120	United States Treasury	\$	30,745.64
02/28/2020	dbt22820	United States Treasury	\$	30,718.74
02/14/2020	DBT021420	United States Treasury	\$	29,849.34
02/28/2020	ACH2334	HDR ENGINEERING INC.	\$	26,706.15
02/28/2020	ACH2347	TKW CONSULTING ENGINEERS, INC.	\$	25,745.69
01/03/2020	ACH2183	HDR ENGINEERING INC.	\$	24,191.68
02/28/2020	ACH2342	PROGRESSIVE WATER RESOURCES, LLC	\$	23,740.00
02/14/2020	ACH2300	HDR ENGINEERING INC.	\$	23,526.38
01/03/2020	ACH2186	J. H. HAM ENGINEERING INC.	\$	22,388.52
01/17/2020	ACH2200	Alan Jay Automotive Management, Inc.	\$	22,317.00
01/31/2020	ACH2259	Brenntag Mid-South Inc	\$ \$	21,893.47
02/14/2020	ACH2307	MANSON BOLVES DONALDSON VARN, P.A.	\$	20,520.00
02/28/2020	38606	HAZEN AND SAWYER	\$ \$ \$	19,568.60
01/17/2020	ACH2224	JANICKI ENVIRONMENTAL, INC.	\$	18,895.00
01/17/2020	ACH2233	PURVIS GRAY & COMPANY		14,712.50
01/31/2020	ACH2261	Commercial Painting SWFL LLC	\$ \$	14,235.00
01/17/2020	ACH2203	ALLIED UNIVERSAL CORP.	\$	14,132.93
02/28/2020	ACH2325	ALLIED UNIVERSAL CORP.	\$	13,659.04
01/03/2020	ACH2168	ALLIED UNIVERSAL CORP.	\$	13,611.83

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document	Payee Name / Description		Amount
01/17/2020	Number 38527	KED GROUP INC.	\$	13,552.00
01/17/2020	38535	SARASOTA COUNTY ENVIRONMENTAL UTILITIES	\$	13,543.56
02/28/2020	38599	D. M. CONSTRUCTION CORP.	\$	13,495.46
01/03/2020	38507	D. M. CONSTRUCTION CORP.	\$	13,178.87
02/28/2020	ACH2338	JANICKI ENVIRONMENTAL, INC.	\$	13,130.00
02/14/2020	38581	REXEL USA Inc.	\$	11,945.49
02/14/2020	ACH2283	ALLIED UNIVERSAL CORP.	\$	11,595.21
01/03/2020	ACH2193	STANTEC CONSULTING SERVICES	\$	11,215.00
01/17/2020	ACH2214	DMK ASSOCIATES	\$	10,473.75
01/17/2020	ACH2216	EARTH BALANCE	\$	10,160.00
01/17/2020	38526	HAZEN AND SAWYER	\$	9,810.20
01/17/2020	ACH2237	TKW CONSULTING ENGINEERS, INC.	\$	9,377.00
01/31/2020	ACH2254	ALLIED UNIVERSAL CORP.	\$	9,171.83
	AUTO2252020		\$	9,114.61
01/31/2020	38547	D. M. CONSTRUCTION CORP.	\$	8,862.28
02/14/2020	ACH2293	Commercial Painting SWFL LLC	\$	8,850.00
02/28/2020	dbt022820	Valic	\$	8,366.32
01/31/2020	dbt013120	Valic	\$	8,198.15
02/14/2020	dbt21420	Valic	\$	8,130.31
01/03/2020	ACH2179	Flotech, INC	\$	8,106.30
02/14/2020	38588	UNITED STATES GEOLOGICAL SURVEY	\$	7,835.00
02/14/2020	ACH2296	EARTH BALANCE		7,807.27
01/03/2020	dbt010320	Valic	\$ \$	7,777.43
01/31/2020	ACH2263	DMK ASSOCIATES	\$	7,696.25
01/03/2020	ACH2178	EARTH BALANCE	\$	7,566.82
02/28/2020	ACH2331	CORONADO LAWN SERVICE OF FL	\$	6,690.00
01/31/2020	ACH2248	Air Mechanical & Service Corp.	\$	6,325.52
02/28/2020	ACH2327	BENCHMARK ENVIROANALYTICAL INC	\$	6,133.42
01/31/2020	ACH2256	BENCHMARK ENVIROANALYTICAL INC	\$	5,793.42
02/28/2020	ACH2333	Hach Company	\$	5,724.34
01/03/2020	38510	KED GROUP INC.	\$	5,382.00
02/14/2020	38577	KED GROUP INC.		5,382.00
01/17/2020	ACH2208	CHARLOTTE COUNTY BCC - LANDFILL	\$ \$	5,339.57
01/03/2020	ACH2170	BENCHMARK ENVIROANALYTICAL INC	\$	5,028.10
01/24/2020	AUTO012520	PNC Bank	\$	4,996.41
01/17/2020	ACH2228	M&M CONTRACTORS INC.	\$	4,897.60
02/14/2020	ACH2301	HVMI, LLC		4,896.00
01/17/2020	ACH2215	E.F. GAINES SURVEYING SERVICES, INC	\$ \$	4,600.00
01/03/2020	ACH2167	ALLIED ELECTRONICS, INC.	\$	4,578.18
01/31/2020	ACH2280	US Plastic Corp	\$	4,454.52
01/17/2020	ACH2217	Entech	\$	4,436.50
01/31/2020	ACH2264	Entech	\$	4,436.50
02/28/2020	ACH2332	Entech	\$	4,436.50
02/14/2020	ACH2318	VANASSE HANGEN BRUSTLIN, INC	\$	4,340.96
01/17/2020	ACH2213	DIANE R. SALZ	\$	4,250.00
02/14/2020	ACH2295	DIANE R. SALZ	\$	4,250.00
01/31/2020	38563	U.S. TENT RENTAL INC.	\$ \$	4,240.96
01/03/2020	ACH2180	FLUID CONTROL SPECIALTIES, INC.	\$	4,215.00
01/17/2020	ACH2225	JESSICA BENSON	\$ \$	4,167.47
02/14/2020	ACH2297	FLUID CONTROL SPECIALTIES, INC.	\$	4,125.38
01/03/2020	38512	Locher Environmental LLC	\$	4,088.00
01/31/2020	ACH2273	PROGRESSIVE WATER RESOURCES, LLC	\$	3,930.00
02/28/2020	38600	DESOTO AUTOMOTIVE ENTERPRISES INC	\$	3,881.97
01/31/2020	38564	UniFirst Corp	\$	3,853.20
02/14/2020	ACH2289	CHARLOTTE COUNTY BCC - LANDFILL	\$	3,590.66
01/17/2020	ACH2244	VANASSE HANGEN BRUSTLIN, INC	\$	3,489.88
01/17/2020	ACH2198	AIR CENTERS-FLORIDA	\$	3,221.22
01/31/2020	ACH2249	AIRGAS SPECIALTY PRODUCTS	\$	3,170.97
02/28/2020	ACH2330	CINTAS FIRE 636525	\$	3,142.10
01/03/2020	ACH2165	AIRGAS SPECIALTY PRODUCTS	\$	3,084.77

By Amount Largest to Smallest PUBLIC FUNDS INTEREST CHECKING (PNC)

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
02/28/2020	38609	MSC INDUSTRIAL SUPPLY CO.	\$	3,058.03
02/28/2020	ACH2321	AIRGAS SPECIALTY PRODUCTS	\$	3,042.98
01/03/2020	ACH2184	Hilltop Securities	\$	3,000.00
01/17/2020	ACH2199	Air Mechanical & Service Corp.	\$	2,900.00
02/28/2020	ACH2336	Instrument Specialties INC	\$	2,847.77
01/17/2020	38530	McCABE & ASSOCIATES	\$	2,800.00
02/14/2020	38584	SOUTHWEST MOBILE MECHANIC	\$	2,675.00
02/28/2020	ACH2326	ATKINS NORTH AMERICA, INC.	\$	2,669.39
02/14/2020	ACH2319	Vertiv Corporation	\$	2,648.40
02/28/2020	38607	Locher Environmental LLC	\$	2,631.00
01/31/2020	ACH2275	SAFETY SHOE DISTRIBUTORS, LLP	\$	2,580.50
02/28/2020	ACH2340	MCMASTER-CARR SUPPLY CO	\$	2,408.86
02/14/2020	38567	CED - Port Charlotte	\$	2,393.95
01/17/2020	38531	MSC INDUSTRIAL SUPPLY CO.	\$	2,371.27
01/17/2020	ACH2238	TRINOVA INC.	\$	2,331.47
01/31/2020	ACH2246	Advanced Overhead Systems	\$	2,318.00
01/17/2020	38528	LWR Town Center Association Inc	\$	2,263.35
01/17/2020	ACH2243	USA Bluebook	\$	2,201.01
01/31/2020	ACH2268	Hach Company	\$	2,192.75
01/17/2020	ACH2227	KING ENGINEERING ASSOCIATES INC	\$	2,175.00
01/17/2020	38523	Fisher Scientific	\$	2,171.08
02/28/2020	ACH2352	VOYAGER FLEET SYSTEMS, INC.	\$	2,167.84
01/03/2020	ACH2175	DMK ASSOCIATES	\$	2,157.50
01/17/2020	ACH2210	CORONADO LAWN SERVICE OF FL	\$	2,072.50
01/17/2020	38520	CENTURYLINK	\$	1,981.08
02/14/2020	ACH2285	BENCHMARK ENVIROANALYTICAL INC	\$	1,904.26
02/14/2020	38571	FENDER'S TIRE & BATTERY INC.	\$	1,900.20
01/17/2020	38521	DEX IMAGING	\$	1,869.81
02/14/2020	38566	AMAZON	\$	1,815.77
01/17/2020	ACH2234	STANTEC CONSULTING SERVICES	\$	1,780.00
02/14/2020	38578	Mader Electric Motors	\$	1,700.00
02/14/2020	38570	DESOTO COUNTY WATER UTILITY	\$	1,606.59
01/17/2020	38516	ANIXTER INC.	\$	1,594.28
02/14/2020	ACH2312	PUBLIC RISK INSURANCE AGENCY	\$	1,594.00
01/17/2020	ACH2245	VOYAGER FLEET SYSTEMS, INC.	\$	1,568.53
02/28/2020	38590	Apple Video & Photography Studio	\$	1,495.00
01/03/2020	ACH2190	Ryan Herco Products Corp	\$	1,438.43
02/14/2020	ACH2284	Atlas Fence Company, INC.	\$	1,435.00
01/31/2020	ACH2281	USA Bluebook	\$	1,422.85
02/14/2020	38568	CENTURYLINK	\$	1,407.66
01/17/2020	38519	CED - Port Charlotte	\$	1,405.15
02/14/2020	ACH2292	CINTAS FIRE 636525	\$	1,395.00
02/14/2020	ACH2308	MCMASTER-CARR SUPPLY CO	\$	1,282.35
01/31/2020	ACH2265	EUROFINS EATON ANALYTICAL, LLC	\$	1,263.00
02/14/2020	ACH2299	Hach Company	\$	1,261.13
01/17/2020	ACH2218	FLUID CONTROL SPECIALTIES, INC.	\$	1,197.39
01/03/2020	ACH2164	Air Mechanical & Service Corp.	\$	1,081.68
01/17/2020	38540	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
02/14/2020	38587	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
01/03/2020	38508	Fisher Scientific	\$	1,051.81
01/31/2020	ACH2252	ALFA LAVAL INC.	\$	1,039.62
02/14/2020	38586	THERMO ELECTRON NORTH AMERICA LLC	\$	1,036.00
01/31/2020	38552	Fisher Scientific	\$	1,026.10
01/17/2020	ACH2231	Practical HR Solutions	\$	1,000.00
01/03/2020	ACH2185	IDEXX DISTRIBUTION INC	\$ \$	986.61
02/14/2020	ACH2306	KEETON'S OFFICE & ART SUPPLY	\$	979.65
01/31/2020	ACH2266	FLUID CONTROL SPECIALTIES, INC.	\$	921.00
01/31/2020	38542	Buffalo Graffix	\$ \$	850.00
01/17/2020	38525	GRAINGER	э \$	844.56
01/17/2020	ACH2211	Cummins Power South	\$ \$	841.84
01/11/2020	10112211		Ψ	51.04

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
01/31/2020	38560	TIRE KINGDOM	\$	840.51
02/28/2020	38608	MANATEE CHAMBER OF COMMERCE	\$	820.00
02/28/2020	ACH2324	ALLIED ELECTRONICS, INC.	\$	814.91
01/17/2020	ACH2232	PRO-CHEM INC.	\$	798.18
01/31/2020	ACH2274	PUBLIC RISK INSURANCE AGENCY	\$	797.00
01/03/2020	38503	AWWA	\$	790.00
01/17/2020	ACH2226	KEETON'S OFFICE & ART SUPPLY	\$	789.32
01/03/2020	38505	CENTURYLINK	\$	780.25
01/03/2020	ACH2191	SAMUEL STONE	\$	753.72
01/17/2020	38541	WOMACK SANITATION INC.	\$	750.00
02/28/2020	38615	TIRE KINGDOM	\$	741.15
01/03/2020	ACH2189	PMC ENGINEERING LLC	\$	718.74
01/31/2020	38555	REXEL USA Inc.	\$	709.85
01/03/2020	ADBT010320	STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.29
01/17/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.29
01/31/2020	ADBT013120	STATE OF FLORIDA DISBURSEMENT UNIT	\$	699.29
01/03/2020	ACH2188	KEETON'S OFFICE & ART SUPPLY	\$	691.41
01/31/2020	38550	DOLPHIN TRANSPORTATION SPECIALISTS	\$	682.59
02/28/2020	ACH2341	PRO-CHEM INC.	\$	672.14
01/31/2020	38543	CED - Port Charlotte	\$	662.00
02/28/2020	38603	FLORIDA DEPT OF ENVIRONMENTAL PROT	\$	650.00
01/31/2020	ACH2272	Martin Septic Service INC	\$	650.00
01/17/2020	38534	RING POWER CORPORATION	\$	642.00
02/14/2020	ACH2287	Briggs Equipment Inc.	\$	619.46
02/14/2020	ADBT021420	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
02/28/2020	ADBT22820	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
01/17/2020	ACH2220	Hach Company	\$	605.89
01/03/2020	38514	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	579.97
02/14/2020	38572	Fisher Scientific	\$	551.33
01/03/2020	ACH2163	AECOM TECHNICAL SERVICES, INC.	\$	536.50
01/31/2020	38556	RING POWER CORPORATION	\$	535.00
01/17/2020	ACH2241	UPS	\$	500.18
01/31/2020	38551	DVD Consulting Inc.	\$	498.00
01/03/2020	ACH2187	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00
01/31/2020	ACH2270	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00
02/28/2020	ACH2337	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00
01/03/2020	38515	TRULY NOLEN OF AMERICA	\$	495.00
01/17/2020	ACH2230	PATRICK J LEHMAN	\$	465.50
02/14/2020	38583	SARASOTA TROPHY & AWARDS INC.	\$	440.50
02/14/2020	ACH2317	USA Bluebook	\$	435.60
01/31/2020	ACH2258	BLUSITE SOLUTIONS OF SOUTHWEST FLORIDA	\$	435.00
01/03/2020	ACH2169	ATKINS NORTH AMERICA, INC.	\$	430.26
02/14/2020	38575	INSTRUMENT & VALVE SERVICES COMPANY	\$	429.70
01/31/2020	38557	ROGERS PETROLEUM, INC.	\$ \$	416.62
01/17/2020	ACH2204	BENCHMARK ENVIROANALYTICAL INC		400.26
01/31/2020			\$ \$	392.63
02/28/2020	38595	CENTURYLINK	\$	386.16
01/31/2020	38558	SARASOTA HERALD TRIBUNE	\$	382.25
02/28/2020	ACH2344	SARASOTA CHAMBER OF COMMERCE	\$ \$ \$	382.00
01/03/2020	ACH2172	Briggs Equipment Inc.	\$	373.00
01/31/2020	38548	DMS-FINANCIAL MGMT SERVICES	\$	372.61
02/28/2020	38601	DMS-FINANCIAL MGMT SERVICES	\$	372.59
01/17/2020	ACH2236	Terri Holcomb (V)	\$	368.50
01/17/2020	38522	DMS-FINANCIAL MGMT SERVICES	\$ \$	367.44
02/14/2020	38574	HOME DEPOT		339.70
02/28/2020	ACH2343	Ryan Herco Products Corp	\$ \$	335.40
01/31/2020	38544	CHARLOTTE PLUMBING K & BATH INC.	\$	320.00
01/03/2020	38502	AMAZON	\$	319.68
01/31/2020	38554	HOME DEPOT	\$	319.00
02/28/2020	38617	VOLUNTARY EXTRA DUTY ACCOUNT	\$	315.00

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
02/28/2020	ACH2339	KEETON'S OFFICE & ART SUPPLY	\$	313.84
02/28/2020	ACH2351	VONDELL NELSON	\$	312.45
02/14/2020	38579	Manatee County Utilities Department	\$	308.17
01/17/2020	38529	Manatee County Utilities Department	\$	307.45
01/03/2020	ACH2181	Hach Company	\$	299.45
02/14/2020	38589	WOMACK SANITATION INC.	\$	298.00
02/28/2020	ACH2346	SUNSHINE ACE HARDWARE	\$	285.59
01/03/2020	38506	CINTAS	\$	284.56
02/28/2020	38594	CED - Port Charlotte	\$	272.31
01/31/2020	38562	TRULY NOLEN OF AMERICA	\$	260.00
01/17/2020	ACH2239	TRULY NOLEN BRANCH 079	\$	258.00
02/28/2020	ACH2348	TRULY NOLEN BRANCH 079	\$	258.00
02/14/2020	ACH2282	Air Mechanical & Service Corp.	\$	249.78
01/17/2020	ACH2223	JAN-PRO OF MANASOTA	\$	249.00
02/14/2020	ACH2305	JAN-PRO OF MANASOTA	\$	249.00
01/17/2020	ACH2202	ALLIED ELECTRONICS, INC.	\$	246.74
02/14/2020	ACH2310	PRO-CHEM INC.	\$	242.70
01/03/2020	38504	CED - Port Charlotte	\$	242.50
01/17/2020	ACH2229	Mike Coates (v)	\$	231.00
02/14/2020	ACH2302	IDEXX DISTRIBUTION INC	\$	229.33
02/14/2020	38585	SUNBELT RENTALS	\$	225.00
01/17/2020	ACH2219	FRONTIER COMMUNICATIONS	\$	220.98
02/14/2020	ACH2298	FRONTIER COMMUNICATIONS	\$	220.98
01/31/2020	38545	CHENANGO SUPPLY CO., INC.	\$	218.80
02/14/2020	ACH2286	BLUSITE SOLUTIONS OF SOUTHWEST FLORIDA	\$	217.50
01/17/2020	ACH2201	ALL FLORIDA WATER TAMPA	\$	211.58
02/28/2020	ACH2323	ALL FLORIDA WATER-TAMPA	\$	211.58
01/31/2020	38546 ACH2177	CINTAS DOUGLAS LEATH	\$ \$	210.80 210.00
01/03/2020 01/31/2020	ACH2177 ACH2267	George Pennell (V)	\$ \$	210.00
01/17/2020	38533	Pitney Bowes- Lease	\$	209.85
02/28/2020	38613	Sherwin-Williams	\$	209.85
01/31/2020	ACH2279	UPS	\$	206.41
01/03/2020	38511	L.I.S. INC.	\$ \$	201.32
01/03/2020	38513	PITNEY BOWES	\$	200.00
01/31/2020	38559	THE SUN	\$	183.04
02/28/2020	38612	SARASOTA HERALD TRIBUNE	\$	181.50
02/28/2020	38610	REXEL USA Inc.	\$	173.28
02/28/2020	38597	CINTAS	\$	172.28
02/14/2020	38569	CHARLOTTE PLUMBING K & BATH INC.	\$	165.00
02/28/2020	38596	CHENANGO SUPPLY CO., INC.	\$	152.16
01/03/2020	ACH2194	SUNSHINE ACE HARDWARE	\$	150.08
02/28/2020	38602	FLORIDA DEPARTMENT OF STATE	\$	150.00
01/31/2020	ACH2277	SUNSHINE ACE HARDWARE	\$	144.46
01/03/2020	ACH2176	Doug Morton	\$	144.00
01/03/2020	ACH2192	Shawn Lewis (V)	\$	144.00
01/03/2020	ACH2196	TIM PITTMAN	\$	144.00
02/14/2020	ACH2315	TERRI BRUMFIELD	\$	140.00
02/14/2020	38576	ISA	\$	130.00
02/14/2020	38582	SAM'S CLUB	\$	119.25
02/28/2020	38593	Braden River Utilities, LLC	\$	112.95
01/17/2020	38539	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	112.25
02/28/2020	38614	THE SUN	\$	111.54
02/14/2020	ACH2316	UPS	\$	102.58
02/28/2020	ACH2335	HVMI, LLC	\$	100.00
01/17/2020	ACH2240		\$	97.02
01/17/2020	38536	SARASOTA HERALD TRIBUNE	\$	93.50
02/28/2020	38591		\$	90.00
01/31/2020	38561	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	86.94
01/31/2020	ACH2253	ALLIED ELECTRONICS, INC.	\$	85.20

PUBLIC FUNDS INTEREST CHECKING (PNC)				
Date	Document Number	Payee Name / Description		Amount
02/14/2020	ACH2313	SAMUEL STONE	\$	83.84
02/28/2020	ACH2350	USA Bluebook	\$	79.96
01/17/2020	38518	Braden River Utilities, LLC	\$	78.57
01/17/2020	38532	NaturZone Pest Control	\$	76.00
02/14/2020	38580	NaturZone Pest Control	\$	76.00
02/28/2020	38605	GRAINGER	\$	75.32
01/31/2020	ACH2250	AIRGAS USA, LLC	\$	59.83
02/28/2020	ACH2322	AIRGAS USA, LLC	\$	59.83
01/03/2020	ACH2166	AIRGAS USA, LLC	\$ \$ \$	58.63
01/03/2020	ACH2174	Daniel J Roberts (V)	\$	58.00
01/17/2020	38538	THE SUN	\$	57.20
02/28/2020	38611	SAM'S CLUB	\$	52.97
02/14/2020	ACH2314	SUNSHINE ACE HARDWARE	\$	52.54
01/03/2020	ACH2195	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
01/31/2020	ACH2278	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
02/14/2020	38573	FLA GOV'T FINANCE OFFICERS ASSOC	\$ \$ \$	50.00
01/17/2020	ACH2235	SUNSHINE ACE HARDWARE	\$	46.55
02/28/2020	38598	COLE-PARMER INSTRUMENT CO.	\$	44.81
02/28/2020	ACH2320	ADVANTAGE CARE INC.	\$	40.00
01/03/2020	ACH2197	UPS	\$ \$ \$	37.61
01/31/2020	ACH2262	David Badder (V)	\$	35.00
02/28/2020	38592	BILL'S BOTTLED WATER SERVICE	\$	32.25
02/28/2020	ACH2349	UPS	\$	32.10
01/17/2020	38537	SHIPPING POST	\$	29.66
01/17/2020	ACH2242	US Plastic Corp	\$ \$	28.52
01/31/2020	ACH2271	KEETON'S OFFICE & ART SUPPLY	\$	22.03
01/31/2020	38565	VERIZON WIRELESS	\$	17.03
02/28/2020	38616	VERIZON WIRELESS	\$	15.51
01/17/2020	38517	BILL'S BOTTLED WATER SERVICE	\$	11.25
01/17/2020	38524	FLORIDA DEPT OF TRANSPORTATION	\$	7.86
			Total \$	3,801,372.15

Date	Document Number	Payee Name / Description		Amount
01/03/2020	CACH80	KING ENGINEERING ASSOCIATES INC	\$	57,297.
01/17/2020	CACH81	EARTH BALANCE	\$	3,279.
01/17/2020	CACH82	GARNEY CONSTRUCTION	\$	483,003
01/17/2020	CACH83	KING ENGINEERING ASSOCIATES INC	\$	25,325
01/17/2020	CACH84	Reynolds Construction LLC	\$	646,311
01/31/2020	CACH85	AECOM TECHNICAL SERVICES, INC.	\$	16,844
01/31/2020	CACH86	GARNEY CONSTRUCTION	\$	203,221
01/31/2020	CACH87	KING ENGINEERING ASSOCIATES INC	\$	76,858
02/14/2020	CACH88	L. Cobb Construction, Inc	\$	130,301
02/28/2020	CACH89	AECOM TECHNICAL SERVICES, INC.	\$	17,055
02/28/2020	CACH90	GARNEY CONSTRUCTION	\$	926,149.
02/28/2020	CACH91	KING ENGINEERING ASSOCIATES INC	\$	37,173.
02/28/2020	CACH92	L. Cobb Construction, Inc	\$	128,573.
02/28/2020	CACH93	Reynolds Construction LLC	\$	45,519
			Total \$	2,796,915.

Date	Document Number	Payee Name / Description		Amount
01/31/2020	CACH85	AECOM TECHNICAL SERVICES, INC.	\$	16,844.20
02/28/2020	CACH89	AECOM TECHNICAL SERVICES, INC.	\$	17,055.80
01/17/2020	CACH81	EARTH BALANCE	\$	3,279.00
01/17/2020	CACH82	GARNEY CONSTRUCTION	\$	483,003.92
01/31/2020	CACH86	GARNEY CONSTRUCTION	\$	203,221.67
02/28/2020	CACH90	GARNEY CONSTRUCTION	\$	926,149.64
01/03/2020	CACH80	KING ENGINEERING ASSOCIATES INC	\$	57,297.52
01/17/2020	CACH83	KING ENGINEERING ASSOCIATES INC	\$	25,325.10
01/31/2020	CACH87	KING ENGINEERING ASSOCIATES INC	\$	76,858.49
02/28/2020	CACH91	KING ENGINEERING ASSOCIATES INC	\$	37,173.40
02/14/2020	CACH88	L. Cobb Construction, Inc	\$	130,301.59
02/28/2020	CACH92	L. Cobb Construction, Inc	\$	128,573.87
01/17/2020	CACH84	Reynolds Construction LLC	\$	646,311.68
02/28/2020	CACH93	Reynolds Construction LLC	\$	45,519.50
			Total \$	2,796,915.38

By Amount Largest to Smallest CONSTRUCTION CHECKING (PNC)

Document Number			
	Payee Name / Description		Amount
CACH90	GARNEY CONSTRUCTION	\$	926,149.64
CACH84	Reynolds Construction LLC	\$	646,311.68
CACH82	GARNEY CONSTRUCTION	\$	483,003.92
CACH86	GARNEY CONSTRUCTION	\$	203,221.67
CACH88	L. Cobb Construction, Inc	\$	130,301.59
CACH92	L. Cobb Construction, Inc	\$	128,573.87
CACH87	KING ENGINEERING ASSOCIATES INC	\$	76,858.49
CACH80	KING ENGINEERING ASSOCIATES INC	\$	57,297.52
CACH93	Reynolds Construction LLC	\$	45,519.50
CACH91	KING ENGINEERING ASSOCIATES INC	\$	37,173.40
CACH83	KING ENGINEERING ASSOCIATES INC	\$	25,325.10
CACH89	AECOM TECHNICAL SERVICES, INC.	\$	17,055.80
CACH85	AECOM TECHNICAL SERVICES, INC.	\$	16,844.20
CACH81	EARTH BALANCE	\$	3,279.00
		Total \$	2,796,915.38
	CACH84 CACH82 CACH86 CACH92 CACH92 CACH87 CACH80 CACH93 CACH91 CACH83 CACH89 CACH85	CACH84Reynolds Construction LLCCACH82GARNEY CONSTRUCTIONCACH86GARNEY CONSTRUCTIONCACH86GARNEY CONSTRUCTIONCACH87L. Cobb Construction, IncCACH87KING ENGINEERING ASSOCIATES INCCACH80KING ENGINEERING ASSOCIATES INCCACH93Reynolds Construction LLCCACH91KING ENGINEERING ASSOCIATES INCCACH83KING ENGINEERING ASSOCIATES INCCACH84CACH94CACH95AECOM TECHNICAL SERVICES, INC.CACH85AECOM TECHNICAL SERVICES, INC.	CACH84Reynolds Construction LLC\$CACH82GARNEY CONSTRUCTION\$CACH86GARNEY CONSTRUCTION\$CACH88L. Cobb Construction, Inc\$CACH92L. Cobb Construction, Inc\$CACH87KING ENGINEERING ASSOCIATES INC\$CACH80KING ENGINEERING ASSOCIATES INC\$CACH93Reynolds Construction LLC\$CACH91KING ENGINEERING ASSOCIATES INC\$CACH83KING ENGINEERING ASSOCIATES INC\$CACH83KING ENGINEERING ASSOCIATES INC\$CACH83KING ENGINEERING ASSOCIATES INC\$CACH83KING ENGINEERING ASSOCIATES INC\$CACH89AECOM TECHNICAL SERVICES, INC.\$CACH85AECOM TECHNICAL SERVICES, INC.\$CACH81EARTH BALANCE\$

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
03/12/2020	NUTTOET	QuickBooks Payroll Service	\$	92,364.79	
03/13/2020	ACH2353	Air Mechanical & Service Corp.	\$	2,900.00	
03/13/2020	ACH2354	AIRGAS SPECIALTY PRODUCTS	\$	2,954.17	
03/13/2020	ACH2355	ALLIED UNIVERSAL CORP.	\$	13,603.52	
03/13/2020	ACH2356	BENCHMARK ENVIROANALYTICAL INC	\$	731.84	
03/13/2020	ACH2357	BLACK & VEATCH	\$	12,940.00	
03/13/2020	ACH2358	Brenntag Mid-South Inc	\$	51,524.80	
03/13/2020	ACH2359	C & S CHEMICALS INC.	\$	60,699.91	
03/13/2020	ACH2360	CHARLOTTE COUNTY BCC - LANDFILL	\$	5,467.20	
03/13/2020 03/13/2020	ACH2361 ACH2362	CHARLOTTE COUNTY BD OF COMMISSIONER CHENANGO SUPPLY CO., INC.	\$ \$	98,343.46	
03/13/2020	ACH2362 ACH2363	CINTAS FIRE 636525	ֆ \$	41.88 167.31	
03/13/2020	ACH2364	Commerical Fire & Communications	\$ \$	288.00	
03/13/2020	ACH2365	DIANE R. SALZ	\$	4,250.00	
03/13/2020	ACH2366	Entech	\$	9,559.00	
03/13/2020	ACH2367	EUROFINS EATON ANALYTICAL, LLC	\$	2,124.00	
03/13/2020	ACH2368	FLUID CONTROL SPECIALTIES, INC.	\$	1,345.41	
03/13/2020	ACH2369	FRONTIER COMMUNICATIONS	\$ \$ \$	220.98	
03/13/2020	ACH2370	Hach Company	\$	1,018.44	
03/13/2020	ACH2371	HAWKINS, INC.	\$	512.00	
03/13/2020	ACH2372	Hudson Pump	\$	3,465.32	
03/13/2020	ACH2373	Jacobi Carbons Inc	\$	28,216.20	
03/13/2020	ACH2374	JAN-PRO OF MANASOTA	\$	249.00	
03/13/2020	ACH2375	JESSICA BENSON	\$	4,601.47	
03/13/2020	ACH2376	KEETON'S OFFICE & ART SUPPLY	\$	333.66	
03/13/2020	ACH2377	KING ENGINEERING ASSOCIATES INC	\$	941.00	
03/13/2020	ACH2378	MADER ELECTRIC, INC.	\$	9,650.99	
03/13/2020	ACH2379	Markay Consulting Group LLC	\$ \$	3,156.25	
03/13/2020	ACH2380	MSC INDUSTRIAL SUPPLY CO.		2,655.04	
03/13/2020	ACH2381	NATIONAL BUSINESS FURNITURE, LLC	\$ \$	417.10	
03/13/2020	ACH2382	PAGE MECHANICAL GROUP, INC.	\$	769.63	
03/13/2020	ACH2383	PHENOVA, INC.	\$	557.62	
03/13/2020	ACH2384	PROGRESSIVE WATER RESOURCES, LLC	\$	8,190.00	
03/13/2020	ACH2385		\$ \$	332,166.00	
03/13/2020 03/13/2020	ACH2386 ACH2387	REXEL USA Inc. RICHARD ANDERSON	э \$	15,511.22 276.00	
03/13/2020	ACH2387 ACH2388	Ryan Herco Products Corp	Գ \$	1,395.37	
03/13/2020	ACH2389	SHALINA ODEGARD	\$ \$	134.60	
03/13/2020	ACH2390	SOUTHERN TANK AND PUMP	\$ \$	1,219.82	
03/13/2020	ACH2391	SPX FLOW, INC.	\$	10,440.00	
03/13/2020	ACH2392	STANTEC CONSULTING SERVICES	\$	15,204.95	
03/13/2020	ACH2393	SUNSHINE ACE HARDWARE	\$	129.91	
03/13/2020	ACH2394	Swagelok Central & South Florida	\$	623.36	
03/13/2020	ACH2395	TRINOVA INC.	\$	10,344.11	
03/13/2020	ACH2396	UPS	\$	65.45	
03/13/2020	ACH2397	USA Bluebook	\$	1,393.31	
03/13/2020	38618	AMAZON	\$	2,107.34	
03/13/2020	38619	ANIXTER INC.	\$	1,594.28	
03/13/2020	38620	BATTERIES PLUS BULBS #451	\$	257.40	
03/13/2020	38621	Braden River Utilities, LLC	\$	52.95	
03/13/2020	38622	CED - Port Charlotte	\$	3,774.17	
03/13/2020	38623	COLE-PARMER INSTRUMENT CO.	\$	332.75	
03/13/2020	38624	DELL MARKETING L.P.	\$	15,373.80	
03/13/2020	38625	DEX IMAGING	\$	8.00	
03/13/2020	38626	Fisher Scientific	\$	257.44	
03/13/2020	38627	Florida Rural Water Association	\$	126.20	
03/13/2020	38628	GOVERNMENT FINANCE OFFICERS ASSOC	\$	460.00	
03/13/2020	38629	GRAY MATTER SYSTEMS INC.	\$	8,791.60	
03/13/2020 03/13/2020	38630 38631	HOME DEPOT Manatee County Utilities Department	\$ \$	218.27 307.45	
03/13/2020	30031	manalee county clinites Department	φ	307.45	

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
03/13/2020	38632	MKI Services, Inc.	\$	2,748.30	
03/13/2020	38633	NaturZone Pest Control	\$	76.00	
03/13/2020	38634	QUALITY STARTER & ALT SER INC.	\$	101.45	
03/13/2020	38635	SARASOTA HERALD TRIBUNE	\$	88.00	
03/13/2020	38636	SMITH RANCH & GARDEN, INC.	\$	661.50	
03/13/2020	38637	Surface Prep Supply	\$	4,995.92	
03/13/2020	38638	SyTech, INC	\$	400.00	
03/13/2020	38639	THE BANK OF NEW YORK MELLON	\$	750.00	
03/13/2020	38640	THE SUN	\$	54.34	
03/13/2020	38641	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	54.43	
03/13/2020	38642	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67	
03/13/2020	ADBT031320	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52	
03/13/2020		United States Treasury	\$	31,000.92	
03/13/2020	dbt031320	Valic	\$	8,567.27	
03/24/2020	AUTO0324020		\$	2,402.44	
03/26/2020		QuickBooks Payroll Service	\$	93,217.17	
03/27/2020	38643	BILL'S BOTTLED WATER SERVICE	\$	27.00	
03/27/2020	38644	BOB DEAN SUPPLY INC	\$	935.50	
03/27/2020	38645	CED - Port Charlotte	\$	2,316.54	
03/27/2020	38646	CENTURYLINK	\$	386.16	
03/27/2020	38647	CenturyLink-6358	\$	3,736.50	
03/27/2020	38648	CHARLOTTE CO. CHAM OF COMMERCE	\$	225.00	
03/27/2020	38649	CHARLOTTE PLUMBING K & BATH INC.	\$	165.00	
03/27/2020	38650	CINTAS	\$	201.40	
03/27/2020	38651	D. M. CONSTRUCTION CORP.	\$	11,874.24	
03/27/2020	38652	DELL MARKETING L.P.	\$	479.88	
03/27/2020	38653	DEX IMAGING	\$	1,847.93	
03/27/2020	38654	DMS-FINANCIAL MGMT SERVICES	\$	372.72	
03/27/2020	38655	DVD Consulting Inc.	\$	3,500.00	
03/27/2020	38656	Fisher Scientific	\$	1,006.39	
03/27/2020	38657	FLORIDA DEPARTMENT OF STATE	\$	29.96	
03/27/2020	38658	FLORIDA POWER & LIGHT COMPANY	\$	110,601.93	
03/27/2020	38659	GOVERNMENT FINANCE OFFICERS ASSOC	\$	160.00	
03/27/2020	38660	HERALD TRIBUNE	\$	587.60	
03/27/2020	38661	HOME DEPOT	\$	1,006.92	
03/27/2020	38662	Liquid Engineering Corp	\$	3,460.00	
03/27/2020	38663	PREFERRED GOVERNMENT INSURANCE TRUS	\$	11,923.50	
03/27/2020	38664	SAM'S CLUB	\$	25.05	
03/27/2020	38665	SOUTHWEST FLA WATER MGMT DIST	\$	100.00	
03/27/2020	38666	VERIZON WIRELESS	\$	19.33	
03/27/2020	ACH2398	Adobe Systems Inc	\$	886.62	
03/27/2020	ACH2399	AECOM TECHNICAL SERVICES, INC.	\$	9,583.50	
03/27/2020	ACH2400	Air Mechanical & Service Corp.	\$	2,479.44	
03/27/2020	ACH2401	AIRGAS USA, LLC	\$	60.91	
03/27/2020	ACH2402	ALL FLORIDA WATER-TAMPA	\$	211.58	
03/27/2020	ACH2403	ALLIED UNIVERSAL CORP.	\$	6,671.99	
03/27/2020	ACH2404	ATKINS NORTH AMERICA, INC.	\$	18,876.23	
03/27/2020	ACH2405	BENCHMARK ENVIROANALYTICAL INC	\$	1,700.52	
03/27/2020	ACH2406	BLACK & VEATCH	\$	33,615.54	
03/27/2020	ACH2407	Brenntag Mid-South Inc	\$	7,305.77	
03/27/2020	ACH2408	C & S CHEMICALS INC.	\$	57,688.68	
03/27/2020	ACH2409	CHARLOTTE COUNTY UTILITIES	\$	164,694.84	
03/27/2020	ACH2410	CINTAS FIRE 636525	\$	2,606.42	
03/27/2020	ACH2411	CORONADO LAWN SERVICE OF FL	\$	2,072.50	
03/27/2020	ACH2412	CROM ENGINEERING & CONSTRUCTION SVC	\$	16,250.00	
03/27/2020	ACH2413	DESOTO COUNTY (V)	\$	66,333.33	
03/27/2020	ACH2414	EARTH BALANCE	\$	10,274.42	
03/27/2020	ACH2415	Entech	\$	2,942.00	
03/27/2020	ACH2416	FLUID CONTROL SPECIALTIES, INC.	\$	7,321.29	
03/27/2020	ACH2417	Hach Company	\$	1,114.54	

	Document	PUBLIC FUNDS INTEREST CHECKING (PNC) Document		
Date	Document Number	Payee Name / Description		Amount
03/27/2020	ACH2418	Industrial Painting Solutions, Inc.	\$	13,250.00
03/27/2020	ACH2419	J. H. HAM ENGINEERING INC.	\$	35,588.48
03/27/2020	ACH2420	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00
03/27/2020	ACH2421	JANICKI ENVIRONMENTAL, INC.	\$	18,003.40
03/27/2020	ACH2422	JOHNSON ENGINEERING, INC.	\$	5,227.50
03/27/2020	ACH2423	KEETON'S OFFICE & ART SUPPLY	\$	742.35
03/27/2020	ACH2424	KING ENGINEERING ASSOCIATES INC	\$	384.00
03/27/2020	ACH2425	PROGRESSIVE WATER RESOURCES, LLC	\$ \$	218.75
03/27/2020	ACH2426	PUBLIC RISK INSURANCE AGENCY	\$	17,205.00
03/27/2020	ACH2427	PURVIS GRAY & COMPANY	\$	5,350.00
03/27/2020	ACH2428	STANTEC CONSULTING SERVICES	\$	4,090.60
03/27/2020	ACH2429	SUNSHINE ACE HARDWARE	\$ \$	22.95
03/27/2020	ACH2430	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
03/27/2020	ACH2431	TKW CONSULTING ENGINEERS, INC.	\$	10,588.20
03/27/2020	ACH2432	TRANSCAT, INC.	\$	421.43
03/27/2020	ACH2433	TRINOVA INC.	\$	7,691.31
03/27/2020	ACH2434	UPS	\$	113.57
03/27/2020	ACH2435	VANASSE HANGEN BRUSTLIN, INC		8,406.85
03/27/2020	ACH2436	VOYAGER FLEET SYSTEMS, INC.	\$ \$	2,723.48
03/27/2020	ADBT32620	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
03/27/2020	DBT032720	United States Treasury	\$	31,654.06
03/27/2020	dbt032720	Valic	\$	8,804.80
03/31/2020	DBT033120	FLORIDA DIVISION OF RETIREMENT	\$	34,138.42
04/09/2020	22.000.20	QuickBooks Payroll Service	\$	96,141.74
04/10/2020	ACH2437	AAA Cooper Transportation	\$	315.51
04/10/2020	ACH2438	Advanced Overhead Systems	\$	1,788.90
04/10/2020	ACH2439	ADVANTAGE COMMUNICATIONS, INC.	\$ \$	8,335.00
04/10/2020	ACH2440	AIR CENTERS-FLORIDA	\$	4,800.00
04/10/2020	ACH2441	AIRGAS SPECIALTY PRODUCTS	\$ \$	3,228.43
04/10/2020	ACH2442	ALLIED ELECTRONICS, INC.	\$	1,045.84
04/10/2020	ACH2443	ALLIED UNIVERSAL CORP.	\$	13,473.84
04/10/2020	ACH2444	BENCHMARK ENVIROANALYTICAL INC	\$	6,294.00
04/10/2020	ACH2445	Brenntag Mid-South Inc	\$	29,161.08
04/10/2020	ACH2446	C & S CHEMICALS INC.	\$	68,070.13
04/10/2020	ACH2447	CHARLOTTE COUNTY BCC - LANDFILL	\$	4,811.01
04/10/2020	ACH2448	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	100,878.61
04/10/2020	ACH2449	CINTAS FIRE 636525	\$	850.00
04/10/2020	ACH2450	CORONADO LAWN SERVICE OF FL	\$	2,072.50
04/10/2020	ACH2450	CRUMPTON WELDING SUPPLY	\$	47.34
04/10/2020	ACH2452	DMK ASSOCIATES	\$	18,055.00
04/10/2020	ACH2453	E.F. GAINES SURVEYING SERVICES, INC	\$	4,600.00
04/10/2020	ACH2455	EARTH BALANCE	\$	2,593.67
04/10/2020	ACH2455	Entech	\$	5,918.90
04/10/2020			\$	18,833.76
04/10/2020	ACH2456 ACH2457	Flotech, INC GB Technologies Inc	ъ \$	4,083.00
04/10/2020	ACH2457 ACH2458	GRAY MATTER SYSTEMS INC.	ъ \$	4,083.00 897.08
04/10/2020	ACH2456 ACH2459	Hach Company	ъ \$	1,366.74
04/10/2020	ACH2459 ACH2460	HALFACRE CONSTRUCTION COMPANY	ъ \$	15,105.00
04/10/2020	ACH2461	HDR ENGINEERING INC.	\$	5,956.90
04/10/2020	ACH2462		\$ ¢	995.40 33 620 10
04/10/2020	ACH2463	J. H. HAM ENGINEERING INC.	\$	33,620.19
04/10/2020	ACH2464	Jacobi Carbons Inc	\$	92,628.00
04/10/2020	ACH2465	JAN-PRO OF MANASOTA	\$	249.00
04/10/2020	ACH2466	KEETON'S OFFICE & ART SUPPLY	\$	1,539.98
04/10/2020	ACH2467	MADER ELECTRIC, INC.	\$	1,600.00
04/10/2020	ACH2468	MANSON BOLVES DONALDSON VARN, P.A.	\$	13,972.00
04/10/2020	ACH2469	MCMASTER-CARR SUPPLY CO	\$	197.02
04/10/2020	ACH2470	MSC INDUSTRIAL SUPPLY CO.	\$	5,439.15
04/10/2020	ACH2471	PRO-CHEM INC.	\$	1,670.13
04/10/2020	ACH2472	SIMS CRANE & EQUIPMENT	\$	1,476.60

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
04/10/2020	ACH2473	SOUTHERN TANK AND PUMP	\$	736.98	
04/10/2020	ACH2474	Stanley Access Technologies LLC	\$	-	
04/10/2020	ACH2475	STANTEC CONSULTING SERVICES	\$	9,830.10	
04/10/2020	ACH2476	Sumner Land Management LLC	\$	6,026.88	
04/10/2020	ACH2477	SUNSHINE ACE HARDWARE	\$	7.49	
04/10/2020	ACH2478	TEST GAUGE INC	\$	898.90	
04/10/2020	ACH2479	TRINOVA INC.	\$	365.52	
04/10/2020	ACH2480	ULINE	\$	613.11	
04/10/2020 04/10/2020	ACH2481 ACH2482	UPS USA Bluebook	\$	478.00 1,377.96	
04/10/2020	ACH2482 ACH2483	Vertiv Corporation	\$ \$	3,828.04	
04/10/2020	ACH2483	VOYAGER FLEET SYSTEMS, INC.	\$ \$	2,713.23	
04/10/2020	38667	ANIXTER INC.	\$	1,135.00	
04/10/2020	38668	BOB DEAN SUPPLY INC	\$ \$	83.44	
04/10/2020	38669	CED - Port Charlotte	\$	1,186.48	
04/10/2020	38670	CenturyLink-6358	\$	1,686.05	
04/10/2020	38671	CULLIGAN WATER	\$	211.58	
04/10/2020	38672	DEX IMAGING	\$	8.00	
04/10/2020	38673	Fisher Scientific	\$	1,282.96	
04/10/2020	38674	FLORIDA VALVE & EQUIPMENT, LLC	\$	12,411.00	
04/10/2020	38675	KED GROUP INC.	\$	5,382.00	
04/10/2020	38676	Knight Supply of Arcadia	\$	1,083.36	
04/10/2020	38677	Locher Environmental LLC	\$	4,980.00	
04/10/2020	38678	MAIN GATE ENTERPRISES INC.	\$	749.00	
04/10/2020	38679	Manatee County Utilities Department	\$	332.30	
04/10/2020	38680	NaturZone Pest Control	\$	76.00	
04/10/2020	38681	PITNEY BOWES	\$	236.08	
04/10/2020	38682	Pitney Bowes- Lease	\$	209.85	
04/10/2020	38683	QUALITY STARTER & ALT SER INC.	\$	192.90	
04/10/2020	38684	ROGERS PETROLEUM, INC.	\$	236.38	
04/10/2020	38685	SAM'S CLUB	\$	5.94	
04/10/2020	38686	SARASOTA HERALD TRIBUNE	\$	173.25	
04/10/2020	38687	SMITH RANCH & GARDEN, INC.	\$	661.50	
04/10/2020	38688	TREASURY SOFTWARE CORP.	\$	959.70	
04/10/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	607.21	
04/10/2020	DBT041020	United States Treasury	\$	32,608.30	
04/10/2020	dbt041020	Valic	\$	8,899.92	
04/13/2020	38689	Stanley Access Technologies LLC	\$	2,798.75	
04/23/2020	00000	QuickBooks Payroll Service	\$	96,883.24	
04/24/2020	38690	ALLIANCE FIRE & SAFETY	\$ \$	300.00	
04/24/2020	38691	AMAZON BILL'S BOTTLED WATER SERVICE	¥	3,578.28	
04/24/2020 04/24/2020	38692 38693	Braden River Utilities, LLC	\$ \$	37.50 24.32	
04/24/2020	38693 38694	CED - Port Charlotte	ъ \$	24.32 742.87	
04/24/2020	38695	CENTURYLINK	ъ \$	384.87	
04/24/2020	38696	CINTAS	э \$	262.44	
04/24/2020	38697	CS3 Waterworks	э \$	2,366.70	
04/24/2020	38698	DESOTO AUTOMOTIVE ENTERPRISES INC	\$ \$	1,166.26	
04/24/2020	38699	DEX IMAGING	\$ \$	8.00	
04/24/2020	38700	HOME DEPOT	\$	26.88	
04/24/2020	38701	MAIN GATE ENTERPRISES INC.	\$	2,862.00	
04/24/2020	38702	PITNEY BOWES	\$	200.00	
04/24/2020	38703	ROSS VALVE MANUFACTURING CO	\$	588.82	
04/24/2020	38704	SAM'S CLUB	\$	145.44	
04/24/2020	38705	Sherwin-Williams	\$	147.52	
04/24/2020	38706	SPECIALTY PARTS	\$	32.00	
04/24/2020	38707	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67	
04/24/2020	38708	UNITED STATES GEOLOGICAL SURVEY	\$	7,835.00	
04/24/2020	38709	VERIZON WIRELESS	\$	18.99	
04/24/2020	38710	WOMACK SANITATION INC.	\$	1,500.00	

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
04/24/2020		Air Mechanical & Service Corp.	\$	425.00	
04/24/2020	ACH2486	ALLIED ELECTRONICS, INC.	\$	504.45	
04/24/2020	ACH2487	ALLIED UNIVERSAL CORP.	\$	4,845.44	
04/24/2020	ACH2488	BENCHMARK ENVIROANALYTICAL INC		76.00	
04/24/2020	ACH2489	BLACK & VEATCH	\$	13,551.19	
04/24/2020	ACH2490	Brenntag Mid-South Inc	\$ \$ \$	49,728.45	
04/24/2020	ACH2491	C & S CHEMICALS INC.	\$	77,928.22	
04/24/2020	ACH2492	CHARLOTTE COUNTY UTILITIES	\$	164,694.84	
04/24/2020	ACH2493	DESOTO COUNTY (V)	\$	66,333.33	
04/24/2020	ACH2494	DIANE R. SALZ	\$	4,250.00	
04/24/2020	ACH2495	EARTH BALANCE	\$	1,360.00	
04/24/2020		EUROFINS EATON ANALYTICAL, LLC	\$	1,263.00	
04/24/2020	ACH2497	Flotech, INC	\$	3,221.83	
04/24/2020	ACH2498	FRONTIER COMMUNICATIONS	\$	220.98	
04/24/2020	ACH2499	HDR ENGINEERING INC.	\$ \$ \$	13,154.64	
04/24/2020		HVMI, LLC	\$	10,093.30	
04/24/2020		JANICKI ENVIRONMENTAL, INC.	\$	27,823.75	
04/24/2020		JOHNSON ENGINEERING, INC.	\$ \$	7,042.50	
04/24/2020		KEETON'S OFFICE & ART SUPPLY	\$	97.51	
04/24/2020		MSC INDUSTRIAL SUPPLY CO.	\$	45.97	
04/24/2020		NATIONAL BUSINESS FURNITURE, LLC	\$	1,095.10	
04/24/2020		NOV Process & Flow Technologies US	\$	17,821.00	
04/24/2020		PRO-CHEM INC.	\$	560.71	
04/24/2020		PROGRESSIVE WATER RESOURCES, LLC	\$ \$	3,307.50	
04/24/2020		ShredQuick, Inc.	\$	189.00	
04/24/2020		SIEMENS INDUSTRY, INC.	\$	4,266.00	
04/24/2020		STANTEC CONSULTING SERVICES	\$	25,116.32	
04/24/2020		SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27	
04/24/2020		Swagelok Central & South Florida	\$	562.20	
04/24/2020		Technical Sales Corp	\$	943.24	
04/24/2020		TEST GAUGE INC	\$	511.70	
04/24/2020	ACH2516	THE LAKE DOCTORS, INC.	\$	2,400.00	
04/24/2020	ACH2517	TKW CONSULTING ENGINEERS, INC.	\$	15,140.80	
04/24/2020		TRANSCAT, INC.	\$	282.82	
04/24/2020		ULINE	\$	396.96	
04/24/2020		UPS	\$	57.19	
04/24/2020		USA Bluebook	\$	14.58	
		STATE OF FLORIDA DISBURSEMENT UNIT	\$	607.2 ⁴	
04/24/2020			\$	32,889.58	
)4/24/2020		Valic	\$	8,919.69	
	AUTO4252020		\$	2,435.3	
04/30/2020		FLORIDA DIVISION OF RETIREMENT	\$	33,651.8	
			Total \$	3,162,304.17	

Alphabetically by Vendor PUBLIC FUNDS INTEREST CHECKING (PNC)

PUBLIC FUNDS INTEREST CHECKING (PNC)						
Date	Document Number	Payee Name / Description		Amount		
04/10/2020	ACH2437	AAA Cooper Transportation	\$	315.51		
03/27/2020	ACH2398	Adobe Systems Inc	\$	886.62		
04/10/2020	ACH2438	Advanced Overhead Systems	\$	1,788.90		
04/10/2020	ACH2439	ADVANTAGE COMMUNICATIONS, INC.	\$	8,335.00		
03/27/2020	ACH2399	AECOM TECHNICAL SERVICES, INC.	\$	9,583.50		
04/10/2020	ACH2440	AIR CENTERS-FLORIDA	\$	4,800.00		
03/13/2020	ACH2353	Air Mechanical & Service Corp.	\$ \$ \$	2,900.00		
03/27/2020	ACH2400	Air Mechanical & Service Corp.	\$	2,479.44		
04/24/2020	ACH2485	Air Mechanical & Service Corp.	\$ ¢	425.00		
03/13/2020 04/10/2020	ACH2354 ACH2441	AIRGAS SPECIALTY PRODUCTS AIRGAS SPECIALTY PRODUCTS	\$	2,954.17 3,228.43		
04/10/2020	ACH2441 ACH2401	AIRGAS USA, LLC	\$ \$	5,226.43 60.91		
03/27/2020	ACH2401 ACH2402	ALL FLORIDA WATER-TAMPA	\$	211.58		
04/24/2020	38690	ALLIANCE FIRE & SAFETY		300.00		
04/10/2020	ACH2442	ALLIED ELECTRONICS, INC.	\$ \$ \$	1,045.84		
04/24/2020	ACH2486	ALLIED ELECTRONICS, INC.	\$	504.45		
03/13/2020	ACH2355	ALLIED UNIVERSAL CORP.		13,603.52		
03/27/2020	ACH2403	ALLIED UNIVERSAL CORP.	\$	6,671.99		
04/10/2020	ACH2443	ALLIED UNIVERSAL CORP.	\$ \$ \$	13,473.84		
04/24/2020	ACH2487	ALLIED UNIVERSAL CORP.	\$	4,845.44		
03/13/2020	38618	AMAZON	\$ \$	2,107.34		
04/24/2020	38691	AMAZON	\$	3,578.28		
03/13/2020	38619	ANIXTER INC.	\$	1,594.28		
04/10/2020	38667	ANIXTER INC.	\$ \$	1,135.00		
03/27/2020	ACH2404	ATKINS NORTH AMERICA, INC.	\$	18,876.23		
03/13/2020	38620	BATTERIES PLUS BULBS #451	\$	257.40		
03/13/2020	ACH2356	BENCHMARK ENVIROANALYTICAL INC	\$ \$ \$	731.84		
03/27/2020	ACH2405	BENCHMARK ENVIROANALYTICAL INC	\$ ¢	1,700.52		
04/10/2020 04/24/2020	ACH2444 ACH2488	BENCHMARK ENVIROANALYTICAL INC BENCHMARK ENVIROANALYTICAL INC	ф ¢	6,294.00 76.00		
03/27/2020	38643	BILL'S BOTTLED WATER SERVICE	\$ \$ \$	27.00		
04/24/2020	38692	BILL'S BOTTLED WATER SERVICE	φ \$	37.50		
03/13/2020	ACH2357	BLACK & VEATCH	\$	12,940.00		
03/27/2020	ACH2406	BLACK & VEATCH	\$	33,615.54		
04/24/2020	ACH2489	BLACK & VEATCH	\$	13,551.19		
03/27/2020	38644	BOB DEAN SUPPLY INC	\$	935.50		
04/10/2020	38668	BOB DEAN SUPPLY INC	\$ \$	83.44		
03/13/2020	38621	Braden River Utilities, LLC	\$	52.95		
04/24/2020	38693	Braden River Utilities, LLC	\$	24.32		
03/13/2020	ACH2358	Brenntag Mid-South Inc	\$	51,524.80		
03/27/2020	ACH2407	Brenntag Mid-South Inc	\$	7,305.77		
04/10/2020	ACH2445	Brenntag Mid-South Inc	\$	29,161.08		
04/24/2020	ACH2490	Brenntag Mid-South Inc	\$	49,728.45		
03/13/2020	ACH2359	C & S CHEMICALS INC.	\$	60,699.91		
03/27/2020 04/10/2020	ACH2408 ACH2446	C & S CHEMICALS INC. C & S CHEMICALS INC.	\$ \$	57,688.68 68,070.13		
04/10/2020	ACH2440 ACH2491	C & S CHEMICALS INC.	\$	77,928.22		
03/13/2020	38622	CED - Port Charlotte	\$	3,774.17		
03/27/2020	38645	CED - Port Charlotte	\$	2,316.54		
04/10/2020	38669	CED - Port Charlotte	\$	1,186.48		
04/24/2020	38694	CED - Port Charlotte	\$	742.87		
03/27/2020	38646	CENTURYLINK	\$	386.16		
04/24/2020	38695	CENTURYLINK	\$	384.87		
03/27/2020	38647	CenturyLink-6358	\$	3,736.50		
04/10/2020	38670	CenturyLink-6358	\$	1,686.05		
03/27/2020	38648	CHARLOTTE CO. CHAM OF COMMERCE	\$	225.00		
03/13/2020	ACH2360	CHARLOTTE COUNTY BCC - LANDFILL	\$	5,467.20		
04/10/2020	ACH2447	CHARLOTTE COUNTY BCC - LANDFILL	\$	4,811.01		
03/13/2020	ACH2361	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	98,343.46		
04/10/2020	ACH2448	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	100,878.61		

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
03/27/2020	ACH2409	CHARLOTTE COUNTY UTILITIES	\$	164,694.84	
04/24/2020	ACH2492	CHARLOTTE COUNTY UTILITIES	\$	164,694.84	
03/27/2020	38649	CHARLOTTE PLUMBING K & BATH INC.	\$	165.00	
03/13/2020	ACH2362	CHENANGO SUPPLY CO., INC.	\$	41.88	
03/27/2020	38650	CINTAS	\$ \$	201.40	
04/24/2020	38696	CINTAS		262.44	
03/13/2020	ACH2363	CINTAS FIRE 636525	\$	167.31	
03/27/2020	ACH2410	CINTAS FIRE 636525	\$	2,606.42	
04/10/2020	ACH2449	CINTAS FIRE 636525	\$ \$	850.00	
03/13/2020	38623	COLE-PARMER INSTRUMENT CO.	\$ ¢	332.75	
03/13/2020	ACH2364 ACH2411	Commerical Fire & Communications	\$	288.00	
03/27/2020 04/10/2020	ACH2411 ACH2450	CORONADO LAWN SERVICE OF FL CORONADO LAWN SERVICE OF FL	\$ \$	2,072.50 2,072.50	
04/10/2020	ACH2450 ACH2412	CROM ENGINEERING & CONSTRUCTION SVC	ъ \$		
03/27/2020	ACH2412 ACH2451	CRUMPTON WELDING SUPPLY	э \$	16,250.00 47.34	
04/10/2020	38697	CS3 Waterworks	\$ \$	2,366.70	
04/10/2020	38671	CULLIGAN WATER	\$	2,500.70	
03/27/2020	38651	D. M. CONSTRUCTION CORP.	\$	11,874.24	
03/13/2020	38624	DELL MARKETING L.P.	Ψ \$	15,373.80	
03/27/2020	38652	DELL MARKETING L.P.	\$ \$	479.88	
04/24/2020	38698	DESOTO AUTOMOTIVE ENTERPRISES INC	\$	1,166.26	
03/27/2020	ACH2413	DESOTO COUNTY (V)	\$	66,333.33	
04/24/2020	ACH2493	DESOTO COUNTY (V)	\$	66,333.33	
03/13/2020	38625	DEX IMAGING	\$	8.00	
03/27/2020	38653	DEX IMAGING		1,847.93	
04/10/2020	38672	DEX IMAGING	\$ \$	8.00	
04/24/2020	38699	DEX IMAGING	\$	8.00	
03/13/2020	ACH2365	DIANE R. SALZ	\$	4,250.00	
04/24/2020	ACH2494	DIANE R. SALZ	\$	4,250.00	
04/10/2020	ACH2452	DMK ASSOCIATES	\$	18,055.00	
03/27/2020	38654	DMS-FINANCIAL MGMT SERVICES	\$	372.72	
03/27/2020	38655	DVD Consulting Inc.	\$ \$	3,500.00	
04/10/2020	ACH2453	E.F. GAINES SURVEYING SERVICES, INC	\$	4,600.00	
03/27/2020	ACH2414	EARTH BALANCE	\$	10,274.42	
04/10/2020	ACH2454	EARTH BALANCE	\$ \$ \$	2,593.67	
04/24/2020	ACH2495	EARTH BALANCE	\$	1,360.00	
03/13/2020	ACH2366	Entech	\$	9,559.00	
03/27/2020	ACH2415	Entech	\$	2,942.00	
04/10/2020	ACH2455		\$	5,918.90	
03/13/2020 04/24/2020	ACH2367	EUROFINS EATON ANALYTICAL, LLC	\$ \$	2,124.00	
04/24/2020	ACH2496 38626	EUROFINS EATON ANALYTICAL, LLC Fisher Scientific		1,263.00 257.44	
03/13/2020	38656	Fisher Scientific	\$ \$	1,006.39	
04/10/2020	38673	Fisher Scientific	\$	1,282.96	
03/27/2020	38657	FLORIDA DEPARTMENT OF STATE	\$	29.96	
03/31/2020	DBT033120	FLORIDA DIVISION OF RETIREMENT	\$	34,138.42	
04/30/2020	DBT043020	FLORIDA DIVISION OF RETIREMENT	\$	33,651.85	
03/27/2020	38658	FLORIDA POWER & LIGHT COMPANY	\$	110,601.93	
03/13/2020	38627	Florida Rural Water Association	\$	126.20	
04/10/2020	38674	FLORIDA VALVE & EQUIPMENT, LLC	\$	12,411.00	
04/10/2020	ACH2456	Flotech, INC	\$	18,833.76	
04/24/2020	ACH2497	Flotech, INC	\$	3,221.83	
03/13/2020	ACH2368	FLUID CONTROL SPECIALTIES, INC.	\$	1,345.41	
03/27/2020	ACH2416	FLUID CONTROL SPECIALTIES, INC.	\$	7,321.29	
03/13/2020	ACH2369	FRONTIER COMMUNICATIONS	\$	220.98	
04/24/2020	ACH2498	FRONTIER COMMUNICATIONS	\$	220.98	
04/10/2020	ACH2457	GB Technologies Inc	\$	4,083.00	
03/13/2020	38628	GOVERNMENT FINANCE OFFICERS ASSOC	\$	460.00	
03/27/2020	38659	GOVERNMENT FINANCE OFFICERS ASSOC	\$	160.00	
03/13/2020	38629	GRAY MATTER SYSTEMS INC.	\$	8,791.60	

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
04/10/2020	ACH2458	GRAY MATTER SYSTEMS INC.	\$	897.08	
03/13/2020	ACH2370	Hach Company	\$	1,018.44	
03/27/2020	ACH2417	Hach Company	\$	1,114.54	
04/10/2020	ACH2459	Hach Company	\$	1,366.74	
04/10/2020	ACH2460	HALFACRE CONSTRUCTION COMPANY	\$ \$ \$	15,105.00	
03/13/2020	ACH2371	HAWKINS, INC.	\$	512.00	
04/10/2020	ACH2461	HDR ENGINEERING INC.	\$	5,956.90	
04/24/2020	ACH2499	HDR ENGINEERING INC.	\$	13,154.64	
03/27/2020	38660	HERALD TRIBUNE	\$ \$	587.60	
03/13/2020	38630	HOME DEPOT	\$	218.27	
03/27/2020	38661	HOME DEPOT	\$	1,006.92	
04/24/2020	38700	HOME DEPOT	\$ \$	26.88	
03/13/2020	ACH2372	Hudson Pump	\$	3,465.32	
04/24/2020	ACH2500	HVMI, LLC	\$ \$ \$ \$	10,093.30	
04/10/2020	ACH2462	IDEXX DISTRIBUTION INC	\$	995.40	
03/27/2020	ACH2418	Industrial Painting Solutions, Inc.	\$	13,250.00	
03/27/2020	ACH2419	J. H. HAM ENGINEERING INC.	\$	35,588.48	
04/10/2020	ACH2463	J. H. HAM ENGINEERING INC.	\$	33,620.19	
03/13/2020	ACH2373	Jacobi Carbons Inc	\$ \$	28,216.20	
04/10/2020	ACH2464	Jacobi Carbons Inc	\$	92,628.00	
03/27/2020	ACH2421	JANICKI ENVIRONMENTAL, INC.	\$	18,003.40	
04/24/2020	ACH2501	JANICKI ENVIRONMENTAL, INC.	\$ \$	27,823.75	
03/27/2020	ACH2420	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$	495.00	
03/13/2020	ACH2374	JAN-PRO OF MANASOTA	\$	249.00	
04/10/2020	ACH2465	JAN-PRO OF MANASOTA	\$ \$ \$	249.00	
03/13/2020	ACH2375	JESSICA BENSON	\$	4,601.47	
03/27/2020	ACH2422	JOHNSON ENGINEERING, INC.	\$	5,227.50	
04/24/2020	ACH2502	JOHNSON ENGINEERING, INC.	\$	7,042.50	
04/10/2020	38675	KED GROUP INC.	\$ \$ \$ \$ \$ \$	5,382.00	
03/13/2020	ACH2376	KEETON'S OFFICE & ART SUPPLY	\$	333.66	
03/27/2020	ACH2423	KEETON'S OFFICE & ART SUPPLY	\$	742.35	
04/10/2020	ACH2466	KEETON'S OFFICE & ART SUPPLY	\$	1,539.98	
04/24/2020	ACH2503	KEETON'S OFFICE & ART SUPPLY	\$	97.51	
03/13/2020	ACH2377	KING ENGINEERING ASSOCIATES INC		941.00	
03/27/2020	ACH2424	KING ENGINEERING ASSOCIATES INC	\$ \$ \$	384.00	
04/10/2020	38676	Knight Supply of Arcadia	\$	1,083.36	
03/27/2020	38662	Liquid Engineering Corp	\$	3,460.00	
04/10/2020	38677	Locher Environmental LLC	\$	4,980.00	
03/13/2020	ACH2378	MADER ELECTRIC, INC.	\$	9,650.99	
04/10/2020	ACH2467	MADER ELECTRIC, INC.	\$	1,600.00	
04/10/2020	38678	MAIN GATE ENTERPRISES INC. MAIN GATE ENTERPRISES INC.	\$	749.00	
04/24/2020	38701 38631		\$ ¢	2,862.00	
03/13/2020	38631	Manatee County Utilities Department	\$	307.45	
04/10/2020	38679	Manatee County Utilities Department MANSON BOLVES DONALDSON VARN, P.A.	\$ ¢	332.30	
04/10/2020 03/13/2020	ACH2468		\$ \$ \$	13,972.00	
03/13/2020 04/10/2020	ACH2379 ACH2469	Markay Consulting Group LLC MCMASTER-CARR SUPPLY CO	ф Ф	3,156.25 197.02	
04/10/2020	38632	MCMASTER-CARR SUPPLY CO MKI Services, Inc.	\$ \$	2,748.30	
03/13/2020	ACH2380	MSC INDUSTRIAL SUPPLY CO.	ዋ ድ	2,740.30 2,655.04	
03/13/2020 04/10/2020	ACH2380 ACH2470		\$ \$		
04/10/2020	ACH2470 ACH2504	MSC INDUSTRIAL SUPPLY CO. MSC INDUSTRIAL SUPPLY CO.	\$ \$	5,439.15 45.97	
04/24/2020	ACH2304 ACH2381	NATIONAL BUSINESS FURNITURE, LLC	ት ድ	417.10	
04/24/2020	ACH2505	NATIONAL BUSINESS FURNITURE, LLC	\$ \$ \$	1,095.10	
04/24/2020	38633	National Bosiness Fornitore, LLC NaturZone Pest Control	ው ድ	76.00	
03/13/2020	38680	NaturZone Pest Control		76.00	
04/10/2020	ACH2506	NOV Process & Flow Technologies US	\$ \$ \$	17,821.00	
04/24/2020	ACH2300 ACH2382	PAGE MECHANICAL GROUP, INC.	φ ¢	769.63	
03/13/2020	ACH2382 ACH2383	PAGE MECHANICAL GROUP, INC. PHENOVA, INC.	\$ \$	557.62	
03/13/2020	38681	PIENOVA, INC. PITNEY BOWES	\$ \$	236.08	
04/10/2020	38702	PITNET BOWES	э \$	200.00	
V TI L TI LULU	00102		ψ	200.00	

		PUBLIC FUNDS INTEREST CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
04/10/2020	38682	Pitney Bowes- Lease	\$	209.85
03/24/2020	AUTO0324020	PNC Bank	\$	2,402.44
04/25/2020	AUTO4252020	PNC Bank	\$	2,435.36
03/27/2020	38663	PREFERRED GOVERNMENT INSURANCE TRUS	\$	11,923.50
04/10/2020	ACH2471	PRO-CHEM INC.	\$	1,670.13
04/24/2020	ACH2507	PRO-CHEM INC.	\$	560.71
03/13/2020	ACH2384	PROGRESSIVE WATER RESOURCES, LLC	\$	8,190.00
03/27/2020	ACH2425	PROGRESSIVE WATER RESOURCES, LLC	\$	218.75
04/24/2020	ACH2508	PROGRESSIVE WATER RESOURCES, LLC	\$ \$	3,307.50
03/13/2020	ACH2385	PUBLIC RISK INSURANCE AGENCY	\$	332,166.00
03/27/2020	ACH2426	PUBLIC RISK INSURANCE AGENCY	\$	17,205.00
03/27/2020	ACH2427	PURVIS GRAY & COMPANY	\$ \$ \$	5,350.00
03/13/2020	38634	QUALITY STARTER & ALT SER INC.	\$	101.45
04/10/2020	38683	QUALITY STARTER & ALT SER INC.	\$	192.90
03/12/2020		QuickBooks Payroll Service	\$	92,364.79
03/26/2020		QuickBooks Payroll Service	\$ \$	93,217.17
04/09/2020		QuickBooks Payroll Service	\$	96,141.74
04/23/2020		QuickBooks Payroll Service	\$	96,883.24
03/13/2020	ACH2386	REXEL USA Inc.	\$ \$	15,511.22
03/13/2020	ACH2387	RICHARD ANDERSON	\$	276.00
04/10/2020	38684	ROGERS PETROLEUM, INC.	\$	236.38
04/24/2020	38703	ROSS VALVE MANUFACTURING CO	\$	588.82
03/13/2020	ACH2388	Ryan Herco Products Corp	\$ \$	1,395.37
03/27/2020	38664	SAM'S CLUB	\$	25.05
04/10/2020	38685	SAM'S CLUB	\$	5.94
04/24/2020	38704	SAM'S CLUB	\$ \$	145.44
03/13/2020	38635	SARASOTA HERALD TRIBUNE	\$	88.00
04/10/2020	38686	SARASOTA HERALD TRIBUNE	\$	173.25
03/13/2020	ACH2389	SHALINA ODEGARD	\$ \$	134.60
04/24/2020	38705	Sherwin-Williams	\$	147.52
04/24/2020	ACH2509	ShredQuick, Inc.	\$	189.00
04/24/2020	ACH2510	SIEMENS INDUSTRY, INC.	\$	4,266.00
04/10/2020	ACH2472	SIMS CRANE & EQUIPMENT	\$	1,476.60
03/13/2020	38636	SMITH RANCH & GARDEN, INC.	\$	661.50
04/10/2020	38687	SMITH RANCH & GARDEN, INC.	\$	661.50
03/13/2020	ACH2390	SOUTHERN TANK AND PUMP	\$	1,219.82
04/10/2020	ACH2473	SOUTHERN TANK AND PUMP	\$	736.98
03/27/2020	38665	SOUTHWEST FLA WATER MGMT DIST	\$	100.00
04/24/2020	38706	SPECIALTY PARTS	\$	32.00
03/13/2020	ACH2391	SPX FLOW, INC.	\$	10,440.00
04/10/2020	ACH2474	Stanley Access Technologies LLC	\$	-
04/13/2020	38689	Stanley Access Technologies LLC	\$	2,798.75
03/13/2020	ACH2392	STANTEC CONSULTING SERVICES	\$	15,204.95
03/27/2020	ACH2428	STANTEC CONSULTING SERVICES	\$	4,090.60
04/10/2020	ACH2475	STANTEC CONSULTING SERVICES	\$	9,830.10
04/24/2020	ACH2511	STANTEC CONSULTING SERVICES	\$	25,116.32
03/13/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$ \$	615.52
03/27/2020	ADBT32620	STATE OF FLORIDA DISBURSEMENT UNIT		615.52
04/10/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$ \$ \$	607.21
04/24/2020		STATE OF FLORIDA DISBURSEMENT UNIT	\$	607.21
04/10/2020	ACH2476	Sumner Land Management LLC	\$	6,026.88
03/13/2020	ACH2393	SUNSHINE ACE HARDWARE	\$	129.91
03/27/2020	ACH2429	SUNSHINE ACE HARDWARE	\$ \$ \$	22.95
04/10/2020	ACH2477	SUNSHINE ACE HARDWARE	\$	7.49
03/27/2020	ACH2430	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
04/24/2020	ACH2512	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27
03/13/2020	38637	Surface Prep Supply	\$	4,995.92
03/13/2020	ACH2394	Swagelok Central & South Florida	\$	623.36
04/24/2020	ACH2513	Swagelok Central & South Florida	\$	562.20
03/13/2020	38638	SyTech, INC	\$	400.00

PUBLIC FUNDS INTEREST CHECKING (PNC)				
Date	Document Number	Payee Name / Description		Amount
04/24/2020	ACH2514	Technical Sales Corp	\$	943.24
04/10/2020	ACH2478	TEST GAUGE INC	\$	898.90
04/24/2020	ACH2515	TEST GAUGE INC	\$	511.70
03/13/2020	38639	THE BANK OF NEW YORK MELLON	\$	750.00
04/24/2020	ACH2516	THE LAKE DOCTORS, INC.	\$	2,400.00
03/13/2020	38640	THE SUN	\$	54.34
03/27/2020	ACH2431	TKW CONSULTING ENGINEERS, INC.	\$	10,588.20
04/24/2020	ACH2517	TKW CONSULTING ENGINEERS, INC.	\$	15,140.80
03/13/2020	38641	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	54.43
03/27/2020	ACH2432	TRANSCAT, INC.	\$	421.43
04/24/2020	ACH2518	TRANSCAT, INC.	\$	282.82
04/10/2020	38688	TREASURY SOFTWARE CORP.	\$	959.70
03/13/2020	ACH2395	TRINOVA INC.	\$	10,344.11
03/27/2020	ACH2433	TRINOVA INC.	\$	7,691.31
04/10/2020	ACH2479	TRINOVA INC.	\$	365.52
03/13/2020	38642	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
04/24/2020	38707	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67
04/10/2020	ACH2480	ULINE	\$	613.11
04/24/2020	ACH2519	ULINE	\$	396.96
04/24/2020	38708	UNITED STATES GEOLOGICAL SURVEY	\$	7,835.00
03/13/2020	DBT031320	United States Treasury	\$	31,000.92
03/27/2020	DBT032720	United States Treasury	\$	31,654.06
04/10/2020	DBT041020	United States Treasury	\$	32,608.30
04/24/2020	DBT042420	United States Treasury	\$	32,889.58
03/13/2020	ACH2396	UPS	\$	65.45
03/27/2020	ACH2434	UPS	\$	113.57
04/10/2020	ACH2481	UPS	\$	478.00
04/24/2020	ACH2520	UPS	\$	57.19
03/13/2020	ACH2397	USA Bluebook	\$	1,393.31
04/10/2020	ACH2482	USA Bluebook	\$	1,377.96
04/24/2020	ACH2521	USA Bluebook	\$	14.58
03/13/2020	dbt031320	Valic	\$	8,567.27
03/27/2020	dbt032720	Valic	\$	8,804.80
04/10/2020	dbt041020	Valic	\$	8,899.92
04/24/2020	dbt042420	Valic	\$	8,919.69
03/27/2020	ACH2435	VANASSE HANGEN BRUSTLIN, INC	\$	8,406.85
03/27/2020	38666	VERIZON WIRELESS	\$	19.33
04/24/2020	38709	VERIZON WIRELESS	\$	18.99
04/10/2020	ACH2483	Vertiv Corporation	\$	3,828.04
03/27/2020	ACH2436	VOYAGER FLEET SYSTEMS, INC.	\$	2,723.48
04/10/2020	ACH2484	VOYAGER FLEET SYSTEMS, INC.	\$	2,713.23
04/24/2020	38710	WOMACK SANITATION INC.	\$	1,500.00
			Total \$	3,162,304.17

032722020 ACH2490 CHARLOTTE COUNTY UTILITIES \$ 164.694 #4 042/42202 38658 FLORIDA POWER & LIGHT COMPANY \$ 10.601 93 04/02/202 ACH2480 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 98.384 04/02/202 ACH2461 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 98.384 04/02/202 QuickBooks Payroll Service \$ 98.384 \$ 98.384 04/02/202 QuickBooks Payroll Service \$ 92.384 \$ 92.384 03/2/2020 QuickBooks Payroll Service \$ 92.384 \$ 92.384 03/2/2020 ACH2440 L& S CHEMICALS INC. \$ 66.070 03/2/2020 ACH2449 C & S CHEMICALS INC. \$ 66.333 03/3/2020 ACH2439 DESOTO COUNTY (V) \$ 66.333 03/3/2020 ACH2439 DESOTO COUNTY (V) \$ 03/3/2020 ACH2439 C & S CHEMICALS INC. \$ 03/3/3/2020 ACH2439 DESO	PUBLIC FUNDS INTEREST CHECKING (PNC)					
03/13/2020 ACH2490 FARADTE COUNTY UTILITIES \$ 164.694.44 04/24/2020 ACH2490 FARADTE COUNTY UTILITIES \$ 164.694.44 04/24/2020 ACH2490 FARADTE COUNTY UTILITIES \$ 164.694.44 04/24/2020 ACH2448 CHARLOTTE COUNTY UTILITIES \$ 106.876.61 03/13/2020 ACH2448 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 90.883.24 04/23/2020 QuickBooks Payroll Service \$ 93.841.46 03/26/2020 QuickBooks Payroll Service \$ 99.683.24 04/23/2020 QuickBooks Payroll Service \$ 92.628.00 03/21/2020 QuickBooks Payroll Service \$ 92.628.00 03/21/2020 ACH2449 L&S CHEMICALS INC. \$ 77.928.22 04/24/2020 ACH2449 L&S CHEMICALS INC. \$ 66.633.33 03/37/2020 ACH2449 L&S CHEMICALS INC. \$ 51.524.60 03/27/2020 ACH2449 L&S CHEMICALS INC. \$ 51.524.60 03/27/2020 ACH2449 L <s chemicals="" inc.<="" td=""> \$ 51.524.60 03/27/2020 ACH2449 L<s chemicals="" inc.<="" td=""> \$ 51.584.60</s></s>	Date		Payee Name / Description		Amount	
032772020 ACH2400 CHARLOTTE COUNTY UTILITIES \$ 164.694.44 032722020 38658 FLORIDA POWER & LIGHT COMPANY \$ 110.601.93 03/102202 ACH2480 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 99.334.64 03/132020 ACH2481 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 99.334.64 04/022020 QuickBooks Payroll Service \$ 93.217.17 03/26/2020 QuickBooks Payroll Service \$ 93.217.17 03/27/2020 ACH2481 Jacobi Carbons Inc \$ 92.364.79 03/27/2020 ACH2484 Jacobi Carbons Inc \$ 92.364.79 03/27/2020 ACH2484 Jacobi Carbons Inc \$ 93.33.33 03/27/2020 ACH2481 C. & S CHEMICALS INC. \$ 66.333.33 03/27/2020 ACH2484 S C S CHEMICALS INC. \$ 5 57.688.64 03/37/2020 ACH2490 Eventrag Mid-South Inc \$ 3 5 3 6.33.33 03/37/2020 ACH2490 Brenntag Mid-South Inc <td>03/13/2020</td> <td></td> <td>PUBLIC RISK INSURANCE AGENCY</td> <td>\$</td> <td>332,166.00</td>	03/13/2020		PUBLIC RISK INSURANCE AGENCY	\$	332,166.00	
04/24/2020 ACH242 CHARLOTTE COUNTY UTILITIES \$ 164,694,64 03/27/2020 ACH2448 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 109,617,393 04/10/2020 ACH2361 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 98,334,46 04/23/2020 QuickBooks Payroll Service \$ 98,344,46 03/26/2020 QuickBooks Payroll Service \$ 98,284,46 03/26/2020 QuickBooks Payroll Service \$ 92,384,174 03/26/2020 QuickBooks Payroll Service \$ 92,384,174 04/10/2020 ACH2444 Jacobi Carbons Inc \$ 92,384,179 04/24/2020 ACH2449 CA & S CHEMICALS INC. \$ 66,333,33 03/27/2020 ACH2440 DESOTO COUNTY (V) \$ 66,333,33 03/27/2020 ACH2435 DESOTO COUNTY (V) \$ 66,333,33 03/27/2020 ACH2436 Brenntag Mid-South Inc \$ 97,684,66 03/27/2020 ACH2436 Brenntag Mid-South Inc \$ 97,684,66 03/27/2020 ACH2436 Brenntag Mid-South Inc \$ 94,784,45 03/27/2020 ACH2436 Brenntag Mid-South Inc \$ 33,651,65	03/27/2020	ACH2409	CHARLOTTE COUNTY UTILITIES		164,694.84	
03/27/2020 38658 FLORIDA POWER & LIGHT COMPANY \$ 110,601,93 04/10/2020 ACH2448 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 98,343,46 04/23/2020 QuickBooks Payroll Service \$ 96,141,74 03/26/2020 QuickBooks Payroll Service \$ 92,252,00 04/10/2020 ACH2464 Lacobi Carbons Inc \$ 22,252,00 03/27/2020 ACH2445 Lacobi Carbons Inc \$ 22,526,00 03/27/2020 ACH2445 L& S CHEMICALS INC. \$ 77,928,22 04/02/2020 ACH2449 DESOTO COUNTY (V) \$ 66,333,33 03/27/2020 ACH2449 DESOTO COUNTY (V) \$ 66,333,33 03/31/2020 ACH2498 DESOTO COUNTY (V) \$ 66,333,33 03/31/2020 ACH2498 DESOTO COUNTY (V) \$ 66,333,33 03/31/2020 ACH2498 Brennitag Mid-South Inc \$ 94,784,45 03/31/2020 ACH2498 Brennitag Mid-South Inc \$ 94,784,45 03/31/2020 ACH2498 Brennitag Mid-South Inc \$ 34,834,46 04/10/2020 ACH2496 Brennitag Mid-South Inc \$ 34,8	04/24/2020	ACH2492	CHARLOTTE COUNTY UTILITIES	\$	164,694.84	
04/10/2020 ACH2440 CHARLOTTE COUNTY BD OF COMMISSIONER \$ 100,878.61 04/32/2020 QuickBooks Payroll Service \$ 98,334.44 04/09/2020 QuickBooks Payroll Service \$ 99,213.46 03/26/2020 QuickBooks Payroll Service \$ 99,231.46 04/10/2020 ACH2464 Jacobi Carbons Inc \$ 92,262.00 04/24/2020 ACH2444 Jacobi Carbons Inc \$ 92,364.70 04/24/2020 ACH2444 Jacobi Carbons Inc \$ 92,364.70 04/24/2020 ACH24431 DESOTO COUNTY (V) \$ 66,333.33 03/27/2020 ACH24430 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH2356 Brennitag Mid-South Inc \$ 15,524.00 03/37/2020 ACH2358 Brennitag Mid-South Inc \$ 34,558.46 03/37/2020 ACH2358 Brennitag Mid-South Inc \$ 34,558.46 03/37/2020 ACH2430 J. H. HAM ENGINEERING INC. \$ 34,558.46 03/37/2020 BBT04320 FLORIDA DIVISION OF RETIREMENT \$ 34,651.65 04/30/2020 DBT043120 Intel States Treasury \$ 32,656	03/27/2020	38658	FLORIDA POWER & LIGHT COMPANY	\$	110,601.93	
04/23/2020 QuickBooks Payroll Service \$ 96,883.24 04/09/2020 QuickBooks Payroll Service \$ 93,217.17 04/10/2020 ACH2464 Jacobi Carbons Inc \$ 92,628.00 03/12/2020 QuickBooks Payroll Service \$ 92,628.00 03/12/2020 ACH2441 C & S CHEMICALS INC. \$ 77,928.22 04/10/2020 ACH2441 DESOTO COUNTY (V) \$ 66,333.33 03/327/2020 ACH2435 DESOTO COUNTY (V) \$ 66,633.33 03/327/2020 ACH2439 DESOTO COUNTY (V) \$ 66,633.33 03/327/2020 ACH2439 DESOTO COUNTY (V) \$ 66,633.33 03/37/2020 ACH2439 DESOTO COUNTY (V) \$ 66,633.33 03/37/2020 ACH2439 JEHAMCALSINC. \$ 51,524.80 03/37/2020 ACH2449 IFrenntag Mid-South Inc \$ 34,188.42 03/37/2020 ACH2433 J. H.HAM ENGINEERING INC. \$ 35,658.48 03/37/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,661.54 04/10/2020 ACH2443 J. H.HAM ENGINEERING INC. \$ 32,608.30	04/10/2020	ACH2448	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	100,878.61	
04/09/2020 QuickBooks Payroll Service \$ 99,217,47 04/10/2020 ACH2464 Jacobi Carbons Inc \$ 92,262,80 03/12/2020 QuickBooks Payroll Service \$ 92,364,70 04/10/2020 ACH2441 C & S CHEMICALS INC. \$ 77,928,22 04/10/2020 ACH2441 C & S CHEMICALS INC. \$ 66,333,33 04/24/2020 ACH2443 DESOTO COUNTY (V) \$ 66,333,33 04/24/2020 ACH2443 DESOTO COUNTY (V) \$ 66,333,33 04/24/2020 ACH2430 DESOTO COUNTY (V) \$ 66,333,33 03/31/2020 ACH2408 C & S CHEMICALS INC. \$ 66,333,33 03/31/2020 ACH2408 C & S CHEMICALS INC. \$ 67,688,68 03/31/2020 ACH2408 Finentag Mid-South Inc \$ 97,788,68 03/31/2020 DBT033120 FLORIDA DIVISION OF RETIREMENT \$ 33,661,69 03/27/2020 ACH2409 J. H. HAM ENGINEERING INC. \$ 33,661,69 03/31/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,661,69 03/27/2020 ACH2440 United States Treasury \$		ACH2361	CHARLOTTE COUNTY BD OF COMMISSIONER	\$	98,343.46	
19/26/2020 QuickBooks Payroll Service \$ 93,217.17 04/10/2020 ACH246 Jacobi Carbons Inc \$ 92,364.79 04/24/2020 ACH2491 C & S CHEMICALS INC. \$ 77,928.22 04/24/2020 ACH2441 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH2443 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH24480 C & S CHEMICALS INC. \$ 60,699.91 03/27/2020 ACH24380 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH24980 Brenntag Mid-South Inc \$ 51,524.80 03/37/2020 ACH2490 Brenntag Mid-South Inc \$ 33,651.65 03/37/2020 ACH2490 Frenntag Mid-South Inc \$ 33,651.65 03/37/2020 ACH24490 J. H. HAM ENGINEERING INC. \$ 33,661.65 03/37/2020 ACH24463 J. H. HAM ENGINEERING INC. \$ 33,661.65 03/37/2020 ACH24463 J. H. HAM ENGINEERING INC. \$ 33,661.65 03/37/2020 DBT043102 United States Treasury \$ 32,683.80 03/37/2020 DBT042420 United States Treas	04/23/2020			\$	96,883.24	
04/10/2020 ACH2444 Jacobi Carbons Inc \$ 92,628.00 03/12/2020 OuixBooks Payroll Sarvice \$ 92,364.79 04/24/2020 ACH24416 C & S CHEMICALS INC. \$ 77,928.22 04/10/2020 ACH24413 DESOTO COUNTY (V) \$ 66,333.33 04/24/2020 ACH2413 DESOTO COUNTY (V) \$ 66,333.33 04/24/2020 ACH2443 DESOTO COUNTY (V) \$ 66,633.33 03/37/2020 ACH24493 DESOTO COUNTY (V) \$ 66,633.33 03/37/2020 ACH2490 Brenntag Mid-South Inc \$ 51,524.80 03/37/2020 ACH2490 Brenntag Mid-South Inc \$ 33,651.64 03/37/2020 ACH2490 Brenntag Mid-South Inc \$ 33,651.64 03/37/2020 ACH2490 Brenntag Mid-South Inc \$ 33,661.94 03/37/2020 DET043020 FLORIDA DIVISION OF RETIREMENT \$ 33,661.94 03/37/2020 DBT0442020 DBT0442020 United States Treasury \$ 32,895.86 04/10/2020 ACH24450 United States Treasury \$ 31,604.94 03/37/2020 DBT041020 <			•		96,141.74	
14/24/2020 ACH2441 C & S CHEMICALS INC. \$ 77.928.22 GR/1012 S G8,070.13 03/27/2020 ACH2443 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2413 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2439 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2439 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2449 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH24490 C & S CHEMICALS INC. \$ 67.688.66 GR/278.45 <						
14/24/2020 ACH2441 C & S CHEMICALS INC. \$ 77.928.22 GR/1012 S G8,070.13 03/27/2020 ACH2443 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2413 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2439 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2439 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH2449 DESOTO COUNTY (V) \$ 66.333.33 GR/24/2020 ACH24490 C & S CHEMICALS INC. \$ 67.688.66 GR/278.45 <		ACH2464		\$		
04/10/2020 ACH2448 C & S CHEMICALS INC. \$ 66,070.13 03/27/2020 ACH2413 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH2439 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH2435 DESOTO COUNTY (V) \$ 66,333.33 03/37/2020 ACH24358 Brenntag Mic-South Inc \$ 57,688.68 03/37/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 35,588.48 03/27/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 33,661.85 03/37/2020 ACH24403 J. H. HAM ENGINEERING INC. \$ 33,661.85 04/03/0202 DBT043202 ILORDA DIVISION OF RETIREMENT \$ 33,661.85 04/10/2020 ACH2443 J. H. HAM ENGINEERING INC. \$ 32,899.80 03/27/2020 DBT042420 United States Treasury \$ 31,661.06 03/37/2020 DBT032720 United States Treasury \$ 31,000.92 03/13/202 DBT032720 United States Treasury \$				\$		
19/27/2020 ACH2413 DESOTO COUNTY (V) \$ 66,333.33 04/24/2020 ACH2359 C & S CHEMICALS INC. \$ 66,393.43 03/31/2020 ACH24359 C & S CHEMICALS INC. \$ 57,688.68 03/31/2020 ACH2408 C & S CHEMICALS INC. \$ 57,688.68 03/31/2020 ACH2490 Brenntag Mid-South Inc \$ 49,728.45 03/27/2020 ACH2490 Brenntag Mid-South Inc \$ 33,568.48 03/31/2020 DBT033120 FLORIDA DIVISION OF RETIREMENT \$ 33,661.85 04/10/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,661.85 04/10/2020 ACH2406 BLACK & VEATCH \$ 33,661.85 04/10/2020 ACH24020 DBT041020 United States Treasury \$ 32,608.30 03/31/2020 ACH2437 Jacobi Carbons Inc \$ 28,216.02 03/31/2020 ACH2437 Jacobi Carbons Inc \$ 28,216.20 03/31/2020 ACH2451 STATTEC CONSULTING SERVICES \$				\$		
04/24/2020 ACH2493 DESOTO COUNTY (V) \$ 66.333.33 03/13/2020 ACH2408 C & S CHEMICALS INC. \$ 60.699.91 03/13/2020 ACH2408 C & S CHEMICALS INC. \$ 57.688.68 03/13/2020 ACH2408 Brenntag Mid-South Inc \$ 51.524.80 03/27/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 33.581.84 03/31/2020 DBT033020 FLORIDA DIVISION OF RETIREMENT \$ 33.661.85 04/10/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33.661.85 03/27/2020 ACH2460 BLACK & VEATCH \$ 33.661.85 03/27/2020 DBT041020 United States Treasury \$ 32.689.58 04/10/202 DBT031320 United States Treasury \$ 31.654.60 03/13/2020 DBT031320 United States Treasury \$ 31.654.60 03/13/2020 DBT031320 United States Treasury \$ 31.654.60 03/13/2020 ACH2450 Uninted States Treasury \$ 31.654				\$		
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03/27/2020 ACH2408 C & S CHEMICALS INC. \$ 57,688.68 03/13/2020 ACH2408 Brenntag Mid-South Inc \$ 51,524.80 03/27/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 34,138.42 03/31/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,651.85 04/30/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,651.85 04/10/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/10/2020 ACH2462 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/10/2020 ACH2462 United States Treasury \$ 32,608.30 03/27/2020 DBT043220 United States Treasury \$ 31,654.06 03/31/2020 DBT032720 United States Treasury \$ 31,664.06 03/13/2020 ACH2436 Brenntag Mid-South Inc \$ 29,616.00 03/13/2020 ACH2436 Brenntag Mid-South Inc \$ 29,616.00 03/13/2020 ACH2450 JANICKI ENVIRONMENTAL, INC. \$ 28,216.20 04/10/2020 ACH2451 JANICKI ENVIRONMENTAL, INC. \$ 18,867.23 03/27/2020 ACH2454 Flotech, INC \$ 18,873.76 <						
13/13/2020 ACH2358 Brenntag Mid-South Inc \$ 51,524.80 04/24/2020 ACH2490 Brenntag Mid-South Inc \$ 49,728.45 03/27/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 35,588.48 03/37/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,651.85 04/10/2020 ACH2443 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/10/2020 ACH2446 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/10/2020 ACH2446 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/12/2020 DBT041020 United States Treasury \$ 32,689.58 04/10/2020 DBT041020 United States Treasury \$ 31,650.40 03/37/2020 DBT04120 United States Treasury \$ 31,654.60 03/31/2020 ACH2443 Brenntag Mid-South Inc \$ 29,161.08 03/31/2020 ACH2413 Jacobi Carbons Inc \$ 24,216.20 04/24/2020 ACH251 STANTEC CONSULTING SERVICES \$ 25,116.32 03/27/2020 ACH252 DMK ASSOCIATES \$ 18,837.60 03/27/2020 <td< td=""><td></td><td></td><td></td><td>\$</td><td></td></td<>				\$		
04/24/2020 ACH2490 Brenntag Mid-South Inc \$ 49,728.45 03/27/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 33,558.84 03/31/2020 DBT033120 FLORIDA DIVISION OF RETIREMENT \$ 33,651.85 04/30/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/10/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33,651.84 03/27/2020 ACH2464 BLACK & VEATCH \$ 33,651.84 04/10/2020 DBT032720 United States Treasury \$ 32,689.30 03/37/2020 DBT032720 United States Treasury \$ 31,654.06 03/13/2020 DBT032720 United States Treasury \$ 31,654.06 03/13/2020 DBT032720 United States Treasury \$ 31,654.06 03/13/2020 ACH2445 Brenntag Mid-South Inc \$ 28,216.20 04/10/2020 ACH2451 JAncKi ENVIRONMENTAL, INC. \$ 28,216.20 03/27/2020 ACH2456 Flotech, INC \$ 18,803.76 03/27/2020 ACH2456 Flotech, INC \$ 18,803.76 03/27/2020 ACH2456				\$ ¢		
03/27/2020 ACH2419 J. H. HAM ENGINEERING INC. \$ 35,588.48 03/31/2020 DBT043020 FLORIDA DIVISION OF RETIREMENT \$ 33,651.85 04/10/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33,651.85 04/10/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33,661.85 04/10/2020 ACH2406 BLACK & VEATCH \$ 33,661.95 04/10/2020 DBT044220 United States Treasury \$ 32,608.30 03/27/2020 DBT03120 United States Treasury \$ 31,000.92 03/13/2020 DBT031320 United States Treasury \$ 31,000.92 04/10/2020 ACH2437 Brenntag Mid-South Inc \$ 28,216.20 03/13/2020 ACH2371 JANICKI ENVIRONMENTAL, INC. \$ 27,823.75 04/24/2020 ACH2511 STANTEC CONSULTING SERVICES \$ 28,5116.32 03/27/2020 ACH2456 Flotech, INC \$ 18,833.76 04/10/2020 ACH2456 Flotech, INC \$ 18,833.76 03/27/2020 ACH2452 DMK ASSOCIATES \$ 18,876.23 03/27/2020 ACH2456						
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04/10/2020 ACH2463 J. H. HAM ENGINEERING INC. \$ 33,620.19 03/27/2020 ACH2406 BLACK & VEATCH \$ 33,615.54 04/10/2020 DBT044200 United States Treasury \$ 32,689.56 04/10/2020 DBT032720 United States Treasury \$ 31,654.06 03/13/2020 DBT032720 United States Treasury \$ 31,000.92 04/10/2020 ACH2445 Brenntag Mid-South Inc \$ 29,161.08 03/13/2020 ACH2445 Brenntag Mid-South Inc \$ 27,623.76 04/24/2020 ACH2511 STANTEC CONSULTING SERVICES \$ 27,623.76 04/24/2020 ACH2451 STANTEC CONSULTING SERVICES \$ 18,876.23 04/10/2020 ACH2452 DMK ASSOCIATES \$ 18,876.23 04/10/2020 ACH2452 DMK ASSOCIATES \$ 18,035.10 04/10/2020 ACH2425 DMK ASSOCIATES \$ 18,030.40 03/27/2020 ACH2426 PUBLIC RISK INSURANCE AGENCY \$ 17,205.00 03/27/2020 ACH2426 PUBLIC RISK INSURANCE AGENCY \$ 15,517.20 03/13/2020 ACH2426						
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					10,093.30	
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Date Document Number Payse Name / Description Amount 03/13/2020 ACH2378 MADER ELECTRIC, INC. \$ 9,68 03/27/2020 ACH2378 MADER ELECTRIC, INC. \$ 9,55 03/13/2020 ACH2366 Entech \$ 9,355 04/24/2020 dbt04/120/201 \$ 8,899 03/27/2020 dbt04/2420 Valic \$ 8,899 03/27/2020 dbt03/3720 Valic \$ 8,899 03/27/2020 dbt03/320 Valic \$ 8,899 03/27/2020 ACH2435 VAIASEE COMMUNICATIONS, INC. \$ 8,433 03/13/2020 ACH2435 VAIASEE COMMUNICATIONS, INC. \$ 7,44 03/27/2020 ACH24240 Valic \$ 7,30 03/27/2020 ACH24240 JolimSoukoin Inc \$ 7,30
03/13/2020 ACH2378 MADER ELECTRIC, INC. \$ 9,65 03/27/2020 ACH2366 Entech \$ 9,56 03/13/2020 ACH2366 Entech \$ 9,56 03/13/2020 ACH2366 Entech \$ 9,56 04/10/2020 dbt0412420 Valic \$ 8,89 03/13/2020 dbt032720 Valic \$ 8,89 03/13/2020 dbt032720 Valic \$ 8,89 03/13/2020 dbt03120 Valic \$ 8,89 03/13/2020 dbt03120 Valic \$ 8,80 03/13/2020 ACH2438 VANASSE HANGEN BRUSTLIN, INC \$ 8,83 03/13/2020 ACH2438 DVANTASE COLOGICAL SURVEY \$ 7,83 03/13/2020 ACH2438 DVANTASE GOLOGICAL SURVEY \$ 7,83 03/12/2020 ACH2438 TRINOVA INC. \$ 7,94 03/27/2020 ACH2437 TRINOVA INC. \$ 7,94 03/27/2020 ACH2438 TRINOVA INC. \$ 7,94 03/27/2020 ACH2446 FLUID CONTROL SPECIALTIES, INC. \$ 7,94
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03/27/2020 ACH2422 JOHNSON ENGINEERING, INC. \$ 5,22 03/13/2020 38637 Surface Prep Supply \$ 4,99 04/10/2020 38677 Locher Environmental LLC \$ 4,98 04/24/2020 ACH2487 ALLIED UNIVERSAL CORP. \$ 4,84 04/10/2020 ACH2447 CHARLOTTE COUNTY BCC - LANDFILL \$ 4,81 04/10/2020 ACH2440 AIR CENTERS-FLORIDA \$ 4,80 03/13/2020 ACH2453 E.F. GAINES SURVEYING SERVICES, INC \$ 4,60 04/10/2020 ACH2453 E.F. GAINES SURVEYING SERVICES, INC \$ 4,26 03/13/2020 ACH2510 SIEMENS INDUSTRY, INC. \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 03/13/2020 ACH2428 STANTEC CONSULTING SERVICES \$ 4,09 04/10/2020 ACH2457 GB Technologies Inc \$ 4,08 04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
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04/10/2020 38677 Locher Environmental LLC \$ 4,98 04/24/2020 ACH2487 ALLIED UNIVERSAL CORP. \$ 4,84 04/10/2020 ACH2447 CHARLOTTE COUNTY BCC - LANDFILL \$ 4,81 04/10/2020 ACH2440 AIR CENTERS-FLORIDA \$ 4,80 03/13/2020 ACH2453 E.F. GAINES SURVEYING SERVICES, INC \$ 4,60 04/10/2020 ACH2510 SIEMENS INDUSTRY, INC. \$ 4,26 03/13/2020 ACH2510 SIEMENS INDUSTRY, INC. \$ 4,26 03/13/2020 ACH2494 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 03/27/2020 ACH2457 GB Technologies Inc \$ 4,08 04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
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04/10/2020 ACH2447 CHARLOTTE COUNTY BCC - LANDFILL \$ 4,81 04/10/2020 ACH2440 AIR CENTERS-FLORIDA \$ 4,80 03/13/2020 ACH2375 JESSICA BENSON \$ 4,60 04/10/2020 ACH2453 E.F. GAINES SURVEYING SERVICES, INC \$ 4,60 04/24/2020 ACH2510 SIEMENS INDUSTRY, INC. \$ 4,26 03/13/2020 ACH2365 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 03/27/2020 ACH2428 STANTEC CONSULTING SERVICES \$ 4,09 04/10/2020 ACH2457 GB Technologies Inc \$ 4,08 04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
04/10/2020 ACH2440 AIR CENTERS-FLORIDA \$ 4,80 03/13/2020 ACH2375 JESSICA BENSON \$ 4,60 04/10/2020 ACH2453 E.F. GAINES SURVEYING SERVICES, INC \$ 4,60 04/24/2020 ACH2510 SIEMENS INDUSTRY, INC. \$ 4,26 03/13/2020 ACH2365 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 03/27/2020 ACH2428 STANTEC CONSULTING SERVICES \$ 4,09 04/10/2020 ACH2457 GB Technologies Inc \$ 4,08 04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
03/13/2020 ACH2375 JESSICA BENSON \$ 4,60 04/10/2020 ACH2453 E.F. GAINES SURVEYING SERVICES, INC \$ 4,60 04/24/2020 ACH2510 SIEMENS INDUSTRY, INC. \$ 4,26 03/13/2020 ACH2365 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 04/24/2020 ACH2494 DIANE R. SALZ \$ 4,25 03/27/2020 ACH2428 STANTEC CONSULTING SERVICES \$ 4,09 04/10/2020 ACH2457 GB Technologies Inc \$ 4,08 04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
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04/10/2020 ACH2457 GB Technologies Inc \$ 4,08 04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
04/10/2020 ACH2483 Vertiv Corporation \$ 3,82 03/13/2020 38622 CED - Port Charlotte \$ 3,77
03/13/2020 38622 CED - Port Charlotte \$ 3,77
03/27/2020 38647 CenturyLink-6358 \$ 3,73
04/24/2020 38691 AMAZON \$ 3,57
03/27/2020 38655 DVD Consulting Inc. \$ 3,50
03/13/2020 ACH2372 Hudson Pump \$ 3,46
03/27/2020 38662 Liquid Engineering Corp \$ 3,46
04/24/2020 ACH2508 PROGRESSIVE WATER RESOURCES, LLC \$ 3,30
04/10/2020 ACH2441 AIRGAS SPECIALTY PRODUCTS \$ 3,22
04/24/2020 ACH2497 Flotech, INC \$ 3,22
03/13/2020 ACH2379 Markay Consulting Group LLC \$ 3,15
03/13/2020 ACH2354 AIRGAS SPECIALTY PRODUCTS \$ 2,95
03/27/2020 ACH2415 Entech \$ 2,94
03/13/2020 ACH2353 Air Mechanical & Service Corp. \$ 2,90
04/24/2020 38701 MAIN GATE ENTERPRISES INC. \$ 2,86
04/13/2020 38689 Stanley Access Technologies LLC \$ 2,79
03/13/2020 38632 MKI Services, Inc. \$ 2,74
03/27/2020 ACH2436 VOYAGER FLEET SYSTEMS, INC. \$ 2,72
04/10/2020 ACH2484 VOYAGER FLEET SYSTEMS, INC. \$ 2,71
03/13/2020 ACH2380 MSC INDUSTRIAL SUPPLY CO. \$ 2,65
03/27/2020 ACH2410 CINTAS FIRE 636525 \$ 2,60
04/10/2020 ACH2454 EARTH BALANCE \$ 2,59

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
03/27/2020	ACH2400	Air Mechanical & Service Corp.	\$	2,479.44	
04/25/2020	AUTO4252020	PNC Bank	\$	2,435.36	
03/24/2020	AUTO0324020		\$	2,402.44	
04/24/2020		THE LAKE DOCTORS, INC.	\$	2,400.00	
04/24/2020	38697	CS3 Waterworks	\$	2,366.70	
03/27/2020	38645	CED - Port Charlotte	\$	2,316.54	
03/13/2020	ACH2367	EUROFINS EATON ANALYTICAL, LLC	\$	2,124.00	
03/13/2020	38618		\$	2,107.34	
03/27/2020	ACH2411	CORONADO LAWN SERVICE OF FL	\$	2,072.50	
04/10/2020	ACH2450	CORONADO LAWN SERVICE OF FL	\$ \$	2,072.50	
03/27/2020 04/10/2020	38653 ACH2438	DEX IMAGING Advanced Overhead Systems	ֆ \$	1,847.93	
03/27/2020	ACH2438 ACH2405	BENCHMARK ENVIROANALYTICAL INC	\$ \$	1,788.90 1,700.52	
03/21/2020	38670	CenturyLink-6358	\$	1,686.05	
04/10/2020	ACH2471	PRO-CHEM INC.	φ \$	1,670.13	
04/10/2020	ACH2467	MADER ELECTRIC, INC.	\$	1,600.00	
03/13/2020	38619	ANIXTER INC.		1,594.28	
04/10/2020	ACH2466	KEETON'S OFFICE & ART SUPPLY	\$ \$	1,539.98	
04/24/2020	38710	WOMACK SANITATION INC.	\$	1,500.00	
04/10/2020	ACH2472	SIMS CRANE & EQUIPMENT	\$	1,476.60	
03/13/2020	ACH2388	Ryan Herco Products Corp	\$	1,395.37	
03/13/2020	ACH2397	USA Bluebook	\$ \$	1,393.31	
04/10/2020	ACH2482	USA Bluebook	\$	1,377.96	
04/10/2020	ACH2459	Hach Company	\$	1,366.74	
04/24/2020	ACH2495	EARTH BALANCE	\$	1,360.00	
03/13/2020	ACH2368	FLUID CONTROL SPECIALTIES, INC.	\$	1,345.41	
04/10/2020	38673	Fisher Scientific		1,282.96	
04/24/2020	ACH2496	EUROFINS EATON ANALYTICAL, LLC	\$ \$	1,263.00	
03/13/2020	ACH2390	SOUTHERN TANK AND PUMP	\$	1,219.82	
04/10/2020	38669	CED - Port Charlotte	\$	1,186.48	
04/24/2020	38698	DESOTO AUTOMOTIVE ENTERPRISES INC	\$ \$	1,166.26	
04/10/2020	38667	ANIXTER INC.		1,135.00	
03/27/2020	ACH2417	Hach Company	\$	1,114.54	
04/24/2020	ACH2505	NATIONAL BUSINESS FURNITURE, LLC	\$	1,095.10	
04/10/2020	38676	Knight Supply of Arcadia	\$	1,083.36	
03/13/2020	38642	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67	
04/24/2020	38707	U.S. BANK EQUIPMENT FINANCE	\$	1,052.67	
04/10/2020	ACH2442	ALLIED ELECTRONICS, INC.	\$	1,045.84	
03/13/2020	ACH2370	Hach Company	\$	1,018.44	
03/27/2020	38661	HOME DEPOT	\$	1,006.92	
03/27/2020	38656	Fisher Scientific	\$	1,006.39	
04/10/2020	ACH2462	IDEXX DISTRIBUTION INC	\$	995.40	
04/10/2020	38688	TREASURY SOFTWARE CORP.	\$	959.70	
04/24/2020 03/13/2020	ACH2514 ACH2377	Technical Sales Corp KING ENGINEERING ASSOCIATES INC	\$ \$	943.24 941.00	
03/13/2020	38644	BOB DEAN SUPPLY INC	ծ \$	941.00 935.50	
03/27/2020	ACH2478	TEST GAUGE INC	ъ \$	935.50 898.90	
04/10/2020	ACH2478 ACH2458	GRAY MATTER SYSTEMS INC.	ъ \$	897.08	
03/27/2020	ACH2398	Adobe Systems Inc	\$	886.62	
03/27/2020	ACH2449	CINTAS FIRE 636525	э \$	850.00	
03/13/2020	ACH2382	PAGE MECHANICAL GROUP, INC.	Ф \$	769.63	
03/13/2020	38639	THE BANK OF NEW YORK MELLON	\$	750.00	
04/10/2020	38678	MAIN GATE ENTERPRISES INC.	\$	749.00	
04/24/2020	38694	CED - Port Charlotte	\$	742.87	
03/27/2020	ACH2423	KEETON'S OFFICE & ART SUPPLY	\$	742.35	
04/10/2020	ACH2473	SOUTHERN TANK AND PUMP	\$	736.98	
03/13/2020	ACH2356	BENCHMARK ENVIROANALYTICAL INC	\$	731.84	
03/13/2020	38636	SMITH RANCH & GARDEN, INC.	\$	661.50	
04/10/2020	38687	SMITH RANCH & GARDEN, INC.	\$	661.50	
03/13/2020	ACH2394	Swagelok Central & South Florida	\$	623.36	

By Amount Largest to Smallest

PUBLIC FUNDS INTEREST CHECKING (PNC)				
Date	Document Number	Payee Name / Description		Amount
03/13/2020 A		STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
03/27/2020	ADBT32620	STATE OF FLORIDA DISBURSEMENT UNIT	\$	615.52
04/10/2020	ACH2480	ULINE	\$	613.11
04/10/2020 A	DBT041020	STATE OF FLORIDA DISBURSEMENT UNIT	\$	607.21
04/24/2020 A	DBT042420	STATE OF FLORIDA DISBURSEMENT UNIT	\$	607.21
04/24/2020	38703	ROSS VALVE MANUFACTURING CO	\$	588.82
03/27/2020	38660	HERALD TRIBUNE	\$	587.60
04/24/2020	ACH2513	Swagelok Central & South Florida	\$	562.20
04/24/2020	ACH2507	PRO-CHEM INC.	\$	560.71
03/13/2020	ACH2383	PHENOVA, INC.	\$	557.62
03/13/2020	ACH2371	HAWKINS, INC.	\$ \$	512.00
04/24/2020	ACH2515	TEST GAUGE INC		511.70
04/24/2020	ACH2486	ALLIED ELECTRONICS, INC.	\$	504.45
03/27/2020	ACH2420	JAN-PRO CLEANING SYSTEMS OF SW FLORIDA	\$ \$	495.00
03/27/2020	38652	DELL MARKETING L.P. UPS		479.88
04/10/2020 03/13/2020	ACH2481 38628	GOVERNMENT FINANCE OFFICERS ASSOC	\$ \$	478.00 460.00
03/13/2020	ACH2485	Air Mechanical & Service Corp.	э \$	400.00
03/27/2020	ACH2485 ACH2432	TRANSCAT, INC.	э \$	425.00
03/13/2020	ACH2381	NATIONAL BUSINESS FURNITURE, LLC	\$ \$	417.10
03/13/2020	38638	SyTech, INC	\$ \$	400.00
04/24/2020	ACH2519	ULINE	\$	396.96
03/27/2020	38646	CENTURYLINK	\$	386.16
04/24/2020	38695	CENTURYLINK	\$	384.87
03/27/2020	ACH2424	KING ENGINEERING ASSOCIATES INC	\$	384.00
03/27/2020	38654	DMS-FINANCIAL MGMT SERVICES	\$	372.72
04/10/2020	ACH2479	TRINOVA INC.	\$	365.52
03/13/2020	ACH2376	KEETON'S OFFICE & ART SUPPLY	\$	333.66
03/13/2020	38623	COLE-PARMER INSTRUMENT CO.	\$	332.75
04/10/2020	38679	Manatee County Utilities Department	\$	332.30
04/10/2020	ACH2437	AAA Cooper Transportation	\$	315.51
03/13/2020	38631	Manatee County Utilities Department	\$	307.45
04/24/2020 03/13/2020	38690 ACH2364	ALLIANCE FIRE & SAFETY Commerical Fire & Communications	\$ \$	300.00 288.00
04/24/2020	ACH2518	TRANSCAT, INC.	φ ¢	282.82
03/13/2020	ACH2318 ACH2387	RICHARD ANDERSON	\$ \$	276.00
04/24/2020	38696	CINTAS	\$ \$	262.44
03/13/2020	38626	Fisher Scientific	\$	257.44
03/13/2020	38620	BATTERIES PLUS BULBS #451	\$	257.40
03/13/2020	ACH2374	JAN-PRO OF MANASOTA	\$	249.00
04/10/2020	ACH2465	JAN-PRO OF MANASOTA	\$	249.00
04/10/2020	38684	ROGERS PETROLEUM, INC.	\$	236.38
04/10/2020	38681	PITNEY BOWES	\$	236.08
03/27/2020	38648	CHARLOTTE CO. CHAM OF COMMERCE	\$	225.00
03/13/2020	ACH2369	FRONTIER COMMUNICATIONS	\$	220.98
04/24/2020	ACH2498	FRONTIER COMMUNICATIONS	\$	220.98
03/27/2020	ACH2425	PROGRESSIVE WATER RESOURCES, LLC	\$	218.75
03/13/2020	38630		\$	218.27
03/27/2020	ACH2402	ALL FLORIDA WATER-TAMPA	\$	211.58
04/10/2020	38671	CULLIGAN WATER Pitney Bowes- Lease	\$ ¢	211.58
04/10/2020 03/27/2020	38682 38650	CINTAS	\$ \$	209.85 201.40
03/27/2020	38702	PITNEY BOWES	ъ \$	201.40
04/24/2020	ACH2469	MCMASTER-CARR SUPPLY CO	\$ \$	197.02
04/10/2020	38683	QUALITY STARTER & ALT SER INC.	\$	192.90
04/24/2020	ACH2509	ShredQuick, Inc.	\$	189.00
04/10/2020	38686	SARASOTA HERALD TRIBUNE	\$	173.25
03/13/2020	ACH2363	CINTAS FIRE 636525	\$	167.31
03/27/2020	38649	CHARLOTTE PLUMBING K & BATH INC.	\$	165.00
03/27/2020	38659	GOVERNMENT FINANCE OFFICERS ASSOC	\$	160.00

PUBLIC FUNDS INTEREST CHECKING (PNC)					
Date	Document Number	Payee Name / Description		Amount	
04/24/2020	38705	Sherwin-Williams	\$	147.52	
04/24/2020	38704	SAM'S CLUB	\$	145.44	
03/13/2020	ACH2389	SHALINA ODEGARD	\$	134.60	
03/13/2020	ACH2393	SUNSHINE ACE HARDWARE	\$	129.91	
03/13/2020	38627	Florida Rural Water Association	\$	126.20	
03/27/2020	ACH2434	UPS	\$	113.57	
03/13/2020	38634	QUALITY STARTER & ALT SER INC.	\$ \$	101.45	
03/27/2020	38665	SOUTHWEST FLA WATER MGMT DIST		100.00	
04/24/2020	ACH2503	KEETON'S OFFICE & ART SUPPLY	\$ \$	97.51	
03/13/2020	38635	SARASOTA HERALD TRIBUNE	\$	88.00	
04/10/2020	38668	BOB DEAN SUPPLY INC	\$	83.44	
04/24/2020	ACH2488	BENCHMARK ENVIROANALYTICAL INC	\$	76.00	
03/13/2020	38633	NaturZone Pest Control	\$	76.00	
04/10/2020	38680	NaturZone Pest Control	\$ \$	76.00	
03/13/2020	ACH2396	UPS	\$	65.45	
03/27/2020	ACH2401	AIRGAS USA, LLC	\$	60.91	
04/24/2020	ACH2520	UPS	\$ \$ \$	57.19	
03/13/2020	38641	TRACTOR SUPPLY COMPANY CREDIT PLAN	\$	54.43	
03/13/2020	38640	THE SUN	\$	54.34	
03/13/2020	38621	Braden River Utilities, LLC	\$ \$	52.95	
03/27/2020	ACH2430	SUNSHINE STATE ONE CALL OF FL, INC.	\$	50.27	
04/24/2020	ACH2512	SUNSHINE STATE ONE CALL OF FL, INC.	\$ \$ \$	50.27	
04/10/2020	ACH2451	CRUMPTON WELDING SUPPLY	\$	47.34	
04/24/2020	ACH2504	MSC INDUSTRIAL SUPPLY CO.	\$	45.97	
03/13/2020	ACH2362	CHENANGO SUPPLY CO., INC.	\$ \$	41.88	
04/24/2020	38692	BILL'S BOTTLED WATER SERVICE		37.50	
04/24/2020	38706	SPECIALTY PARTS	\$ \$	32.00	
03/27/2020	38657	FLORIDA DEPARTMENT OF STATE	\$	29.96	
03/27/2020	38643	BILL'S BOTTLED WATER SERVICE	\$	27.00	
04/24/2020	38700	HOME DEPOT	\$	26.88	
03/27/2020	38664	SAM'S CLUB	\$	25.05	
04/24/2020	38693	Braden River Utilities, LLC	\$ \$ \$	24.32	
03/27/2020	ACH2429	SUNSHINE ACE HARDWARE	\$	22.95	
03/27/2020	38666	VERIZON WIRELESS		19.33	
04/24/2020	38709	VERIZON WIRELESS	\$	18.99	
04/24/2020	ACH2521	USA Bluebook	\$ \$ \$	14.58	
03/13/2020	38625	DEX IMAGING	\$	8.00	
04/10/2020	38672	DEX IMAGING	\$	8.00	
04/24/2020	38699	DEX IMAGING	\$	8.00	
04/10/2020	ACH2477	SUNSHINE ACE HARDWARE	\$	7.49	
04/10/2020	38685	SAM'S CLUB	\$	5.94	
04/10/2020	ACH2474	Stanley Access Technologies LLC	\$	-	
			Total \$	3,162,304.17	

		CONSTRUCTION CHECKING (PNC)		
Date	Document Number	Payee Name / Description		Amount
03/13/2020	CACH94	GARNEY CONSTRUCTION		\$ 215,910.00
03/13/2020	CACH95	KING ENGINEERING ASSOCIATES INC		\$ 30,038.51
03/27/2020	CACH96	AECOM TECHNICAL SERVICES. INC.		\$ 14.375.50
03/27/2020	CACH97	KING ENGINEERING ASSOCIATES INC		\$ 144,519.65
03/27/2020	CACH98	L. Cobb Construction, Inc		\$ 90,816.69
03/27/2020	CACH99	Reynolds Construction LLC		\$ 482,434.34
03/27/2020	CACH100	TKW CONSULTING ENGINEERS, INC.		\$ 14,720.00
04/10/2020	2769	Ralph Allen		\$ 298.70
04/10/2020	CACH101	GARNEY CONSTRUCTION		\$ 2,254,192.88
04/24/2020	CACH102	GARNEY CONSTRUCTION		\$ 1,113,426.24
04/24/2020	CACH103	L. Cobb Construction, Inc		\$ 89,673.27
04/24/2020	CACH104	Reynolds Construction LLC		\$ 1,397,299.27
04/24/2020	CACH105	TKW CONSULTING ENGINEERS, INC.		\$ 15,357.00
			Total	\$ 5,863,062.05

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY CHECK REGISTER: MARCH & APRIL 2020 Alphabetically by Vendor					
	CONSTRUCTION CHECKING (PNC)				
Date	Document Number	Payee Name / Description		Amount	
03/27/2020	CACH96	AECOM TECHNICAL SERVICES, INC.	\$	14,375.50	
03/13/2020	CACH94	GARNEY CONSTRUCTION	\$	215,910.00	
04/10/2020	CACH101	GARNEY CONSTRUCTION	\$	2,254,192.88	
04/24/2020	CACH102	GARNEY CONSTRUCTION	\$	1,113,426.24	
03/13/2020	CACH95	KING ENGINEERING ASSOCIATES INC	\$	30,038.51	
03/27/2020	CACH97	KING ENGINEERING ASSOCIATES INC	\$	144,519.65	
03/27/2020	CACH98	L. Cobb Construction, Inc	\$	90,816.69	
04/24/2020	CACH103	L. Cobb Construction, Inc	\$	89,673.27	
04/10/2020	2769	Ralph Allen	\$	298.70	
03/27/2020	CACH99	Reynolds Construction LLC	\$	482,434.34	
04/24/2020	CACH104	Reynolds Construction LLC	\$	1,397,299.27	
03/27/2020	CACH100	TKW CONSULTING ENGINEERS, INC.	\$	14,720.00	
04/24/2020	CACH105	TKW CONSULTING ENGINEERS, INC.	\$	15,357.00	
			Total \$	5,863,062.05	

	PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY CHECK REGISTER: MARCH & APRIL 2020 By Amount Largest to Smallest				
		CONSTRUCTION CHECKING (PNC)			
Date	Document Number	Payee Name / Description		Amount	
04/10/2020	CACH101	GARNEY CONSTRUCTION	\$	2,254,192.88	
04/24/2020	CACH104	Reynolds Construction LLC	\$	1,397,299.27	
04/24/2020	CACH102	GARNEY CONSTRUCTION	\$	1,113,426.24	
03/27/2020	CACH99	Reynolds Construction LLC	\$	482,434.34	
03/13/2020	CACH94	GARNEY CONSTRUCTION	\$	215,910.00	
03/27/2020	CACH97	KING ENGINEERING ASSOCIATES INC	\$	144,519.65	
03/27/2020	CACH98	L. Cobb Construction, Inc	\$	90,816.69	
04/24/2020	CACH103	L. Cobb Construction, Inc	\$	89,673.27	
03/13/2020	CACH95	KING ENGINEERING ASSOCIATES INC	\$	30,038.51	
04/24/2020	CACH105	TKW CONSULTING ENGINEERS, INC.	\$	15,357.00	
03/27/2020	CACH100	TKW CONSULTING ENGINEERS, INC.	\$	14,720.00	
03/27/2020	CACH96	AECOM TECHNICAL SERVICES, INC.	\$	14,375.50	
04/10/2020	2769	Ralph Allen	\$	298.70	
			Total \$	5,863,062.05	

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 3

Regional Integrated Loop System Phase 1 Interconnect Project [U.S. 17 to Punta Gorda]

Project Status Report

Project:	Regional Integrated Loop System Phase 1 Interconnect Pipeline Project
	[U.S. 17 to Punta Gorda]

Date: May 27, 2020

Prepared by: Ford Ritz, P.E., Project Engineer

The following information summarizes the project description and current status. (see attached conceptual pipe route map).

Project Description

The Phase 1 Interconnect will provide a plant-to-plant connection between the Peace River Facility in DeSoto County with the Punta Gorda Shell Creek Water Treatment Plant in Charlotte County. The project will support the City in meeting drinking water quality requirements through blending with regional supply, provide back-up water supply to the DeSoto County system, and improve regional and local water supply system reliability. The Phase 1 Pipeline is bi-directional and is envisioned to deliver up to 4-million gallons per day (mgd) of regional finished water to the City's Shell Creek Facility and to receive up to 2-mgd from the Shell Creek Facility. The estimated project cost is \$12-million.

The project scope includes:

- Approximately 6.3 miles of a minimum of 24-inch diameter pipeline
- A subaqueous crossing of Shell Creek by Horizontal Directional Drilling (HDD)
- Metering/SCADA and telemetry at connection facilities
- Need for pumping and storage facilities (evaluated during design)
- Conceptual route(s) (evaluated during design).

The Phase 1 Interconnect begins at the terminus of the regional system's DeSoto Regional Transmission Main on U.S. 17 at the DeSoto/Charlotte County line, continues south along U.S. 17, east and south along Washington Loop Road, south along Three Rivers Road adjacent to an abandoned railroad corridor, and across Shell Creek to the City's Shell Creek WTP.

Current status

The Phase 1 Interconnect was Board approved for Design by King Engineering Associates, Inc. (King) on February 25, 2016. Bids were solicited from pre-qualified contractors (6) on October 4, 2018. The Bid Opening was held on November 7, 2018, five of the six, pre-qualified bidders submitted bids. The apparent low bidder was Reynolds Construction with a bid price of \$8,228,000. At the December 5, 2018 Board Meeting, Reynolds was awarded the Construction Contract, and King Engineering's Work Order for Construction Phase Services was approved. Additionally, the Board approved negotiations for final property acquisition. Subsequently,

required property was acquired. The Authority issued the Notice to Proceed to Reynolds on January 24, 2019. Change Order No. 1 for weather delays (30-calendar days) due to abnormal rainfall in July and August was Board Approved on October 2, 2019.

During this period the Contractor had multiple crews mobilized to the site, reinstalling pipe that did not meet specifications along U.S.17, and completing remaining pipe installation along U.S.17, North Washington Loop and Three Rivers Road. Additionally, the construction of the Shell Creek Meter Station was completed. Also, the Contractor connected the Phase 1 Pipeline to the Shell Creek Water Treatment (south end) and to the existing Desoto County Regional Transmission Main (north end). Currently, the Contractor is finishing construction of air release valves and blow offs and preparing for pressure testing, flushing and disinfection of the pipeline. Installation of the Horizontal Directional Drill under Shell Creek has been completed (approximately 3,500-lf).

Project photographs.





Horizontal Directional Drill Rig



HDPE pipe fused and ready for Pullback on north side of Shell Creek, July 6, 2019



Drill Rod attached to pulling head on HDPE pipe for Pullback - north side of Shell Creek – July 7, 2019



Jack and Bore Preparation at Shell Creek Reservoir, Dam Road – South Side of Shell Creek Nov. 2019



Pipe installation from south end of HDD, crossing under Shell Creek, Towards Shell Creek WTP – January 2020



Shell Creek Meter Assembly Construction - March 2020

Project History Briefing

Project: Regional Integrated Loop System Phase 1 Interconnect Pipeline Project [U.S. 17 to Punta Gorda]

Date: May 27, 2020

Prepared by: Ford Ritz, P.E., Project Engineer

The following information summarizes the historical milestones and events of the Regional Integrated Loop System Phase 1 Interconnect.

- July 24, 2015 The Authority Advertised for Consultant Statement of Qualifications (SOQs) for engineering design and construction management services for the Phase 1 Regional Interconnect Pipeline Project.
- August 25, 2015 Deadline for consultant SOQ package. Five SOQ packages were timely received by the following:
 - o Atkins North America, Inc.
 - Johnson Engineering, Inc.
 - Kimley Horn and Associates, Inc.
 - King Engineering Associates, Inc.
 - TKW Consulting Engineers, Inc.
- August 28, 2015 Electronic Copies of the SOQ Packages were distributed to member and customer utility directors and the SWFWMD for feedback or comments. Feedback was requested by September 14, 2015.
- Sept. 22, 2015 A short list of three Consultants were listed in alphabetical order and posted on the Authority Web Site.
 - Atkins North America, Inc.
 - King Engineering Associates, Inc.
 - TKW Consulting Engineers, Inc.
- October 7, 2015 Short listed consultants gave their presentations and were interviewed by the Authority Board. King Engineering Associates, Inc. was selected by the Board for the Phase 1 Project.
- December 2, 2015 The Authority Board approved the Interlocal Agreement for the Phase 1 Regional Interconnect Between the PRMRWSA and the City of Punta Gorda.
- December 2, 2015 The Consent Request for approval of the Authority/Punta Gorda Phase 1 Interconnect Project was submitted to the Charlotte County Board of County Commissioners.

- February 23, 2016 Charlotte County Board of County Commissioners granted Consent for the Phase 1 Interconnect Project.
- February 25, 2016 The Authority Board (Special Board Meeting) Approved the following:
 - The Interlocal Agreement between PRMRWSA and DeSoto County for the Phase 1 Regional Interconnect.
 - The Cooperative Funding Agreement between the SWFWMD and PRMRWSA for the Phase 1 Regional Interconnect for a total of \$12 million. Subdivided into Punta Gorda payment of \$2 million, State Appropriations of \$4 million and SWFWMD Cooperative Funding of \$6 million.
 - The Contract for Professional Engineering Services for Design and Construction Management/Inspection for the Phase 1 Regional Interconnect with King Engineering Associates, Inc. King).
 - Work Order No. 1 for Preliminary Design Services of Phase 1 with King in the amount of \$278,760. The effort for completion of Work Order 1 is 180- calendar days from the Notice-to-Proceed date.
- March 5, 2016 Pending execution of the Cooperative Funding Agreement between the SWFWMD and PRMRWSA for the Phase 1 Regional Interconnect the Notice-to-Proceed was issued to King for Work Order 1, Preliminary Design Services.
- March 15, 2016 The Phase 1 Interconnect kickoff meeting was held at the Peace River Facility. The meeting was attended by Authority staff, SWFWMD, King and the City of Punta Gorda.
- April/May 2016 On April 18, 2016, a Coordination Meeting was held with Florida Power and Light, regarding Easements/ROW on potential project Routes. The meeting was attended by King, Authority, and FPL.

On April 28, 2016, a Project Progress Meeting held. The meeting was attended by the Desoto County, SWFWMD, King and Authority staff. Items discussed included:

- 1. Status of Preliminary Engineering Effort
- 2. Project Metering and SCADA requirements
- 3. Operations of Project Prairie by Desoto County
- 4. Status of Route Evaluations
- 5. Schedule for BODR

On May10, 2016, a Project Progress meeting was held with the Desoto County at the South Booster Station/Project Prairie site. The meeting was attended by Desoto County, King, and Authority staff. The group toured the site including the pump building, yard piping routes, and meter assemblies. Desoto County described how water flow is control at the Booster Station. Phase 1 yard-piping, meters and telemetry alternatives as well as potential site locations for new meter assemblies were discussed.

Also on May 10, 2016 a Project Progress meeting was held with Punta Gorda at the Shell Creek Water Treatment Plant. The meeting was attended by Punta Gorda, King and Authority staff. Phase 1 connection points at the Plant, metering, and telemetry were discussed. Coordination between the Phase 1 and the City's RO Plant construction schedules were also discussed. The group toured the Shell Creek reservoir and dam. King explained alternate construction methods for crossing Shell Creek that are being evaluated. The City plans to implement and operate Phase 1 flow control set points similar to the current Phase 1A flow control scheme.

- June/July 2016 On June 23, 2016, a Project Progress Meeting was held. The meeting was attended by the City of Punta Gorda, Desoto County, SWFWMD, King and Authority staff. Items discussed included:
 - 1. Status of Preliminary Engineering Effort
 - 2. Pipeline Hydraulics, including City, and County demands and delivery points. An interim connection at Shell Creek was discussed since the Phase 1 Interconnect is scheduled to be completed prior to the Shell Creek RO Facility.
 - 3. Status of Route Evaluations; discussions focused on Phase 1 Interconnect Routes evaluated in the 2006 Routing Study (4-Routes) and a new Route 5, per King.
 - 4. Discussions/concerns regarding the Hendrickson Dam embankments, including embankment geotechnical issues that occurred during the 2009 Dam Improvements Project.
 - 5. Pros and cons for pipe crossing methods/locations @ Shell Creek.
 - 6. Land Requirements for the new Route 5 (west of the Hendrickson Dam) adjacent to the FPL ROW.
 - Next period King will complete the Route Evaluation which is includes re-evaluation of 4-routes from the 2006 Regional Integrated Loop System Feasibility/Routing Study and Route-5 per King.
 - 8. A Public Meeting for the Phase 1 Interconnect will be schedule in early August.
 - 9. Development of the Basis of Design Report by King is on schedule and on budget.
- August/Sept. 2016 On August 11, 2016, a Project Information Meeting was held at the Laishley Park Municipal Marina in Punta Gorda from 6:00pm to 8:00pm. In addition to private citizens, the meeting was attended by the City of Punta Gorda, Charlotte County, SWFWMD, King and Authority staff. Three potential routes, Route 1, Route 2 and Route 5, were shown on poster boards and discussed with attendees. Private citizens were provided with comment cards and asked to provide a preference ranking of the routes.

Poster boards regarding, how the Phase 1 pipeline fits into the Authority's Regional Vision for transmission mains to interconnect water treatment plants, project goals, funding sources, construction methods for crossing Shell Creek and Schedule were also shown and discussed with attendees.

The Project Information Meeting was advertised in local papers and over 250 letters of invitation were sent out to residents and businesses along prospective routes, and to Local and State government officials.

On August 17, 2016 an Operations Coordination Meeting was held with the City of Punta Gorda to discuss operations, meter configurations and instrumentation, residuals and connection points for the Phase 1 Interconnect at the Shell Creek Water Treatment Plant.

Much of the meeting focused on interim operation of the Phase 1 Interconnect prior to the City's Reverse Osmosis Treatment Plant coming on line. The meeting was attended by King, City and Authority staff.

On September 15, 2016 an Operations Coordination Meeting was held with Desoto County to review the status of the Phase 1 Project with the County and to discuss future operations, meter configurations, instrumentation and connection points for the Phase 1 Interconnect at the County's Project Prairie facility.

The Authority is currently reviewing draft sections of the Basis of Design report. King Engineering Associates continues to evaluate pipeline routes, and develop preliminary design requirements and Opinion of Probable Construction Costs for each prospective pipeline route.

Oct./Nov. 2016 - On September 26th King submitted the preliminary draft of the Basis of Design Report (BODR) to the Authority. The Authority reviewed and forwarded comments to King on October 6th. The preliminary draft BODR did not include results for soil borings in Shell Creek at the proposed Route 2 and Route 5 creek crossings as discussed below. Per the preliminary draft BODR, Route 2 is now proposed to cross downstream of the Hendrickson Dam (previously it was going to cross upstream of the Dam). The Route 2 Shell Creek crossing by horizontal directional drill was moved downstream because it is shorter/less expensive.

King's Geotechnical sub-consultant performed soil borings at Routes 2 and 5 in Shell Creek in the vicinity of the horizontal directional drill (HDD) creek crossings. The proposed Route 2 HDD creek crossing is approximately 300-If downstream of the Hendrickson Dam. The proposed Route 5 HDD creek crossing is about 1.5 miles downstream of the Hendrickson Dam adjacent to a Florida Power and Light power line crossing. The soil borings were performed during the last week of September. The soil boring report was submitted to King October 11th. King evaluated the results of the soil borings for inclusion in the final draft of the Phase 1 draft BODR.

On November 1, 2016 a progress meeting was held with King and Authority Staff.

On November 16, 2016 King submitted the final draft of the Phase 1 Interconnect BODR which evaluated 3 route alternatives. Based on preliminary engineering evaluation and analysis Route 2 was recommended.

On November 17, 2016 the final draft of the Phase 1 Interconnect BODR was submitted to Charlotte County, Desoto County, Manatee, and Sarasota Counties as well as the City of North Port, the City of Punta Gorda, SWFWMD and FDEP for feedback. Review comments to the Authority are anticipated to be received by December 17, 2016.

• Dec. 2016 & Jan. 2017 - At the December 7, 2016 Board Meeting, King presented the Phase 1 Interconnect, final draft Basis of Design Report (BODR). Three routes were assessed by King during preliminary engineering. King recommended Route 2, which follows the

original Phase 1 Interconnect Route from the 2006 60%-complete Phase 1 Design Build Project, with the following exceptions:

- New Pipeline is not in or on the Hendrickson Dam embankments
- As currently proposed, the Pipeline crosses Shell Creek by Horizontal Directional Drilling (HDD) downstream of the Hendrickson Dam, upland to upland.

The Engineer's Opinion of Probable (Total) Cost for the new Phase 1 Pipeline is \$11,960,000. The Phase 1 Pipeline is scheduled to be operational by February 2020. In November the final draft of the BODR was submitted to Charlotte, Desoto, Sarasota and Manatee Counties, the Cities of North Port, and Punta Gorda, the South West Florida Water Management District (SWFWMD) and the Florida Department of Environmental Protection (FDEP) for feedback. Review questions and comments were forwarded to King in December 2016 and January 2017 and incorporated into the Final BODR.

In January 2017 King submitted Work Order 2 'Design, Permitting and Bidding Services' for the Phase 1 Interconnect. Work Order No. 2 to King, includes survey, geotechnical services, design, permitting, property acquisition services, and bidding services. These project activities cover a 23-month schedule with design and permitting efforts completed in the fall of 2018 allowing selection of a contractor for construction in January 2019. The Authority negotiated with King and then forward Work Order No. 2 with King to Desoto, Charlotte, Sarasota and Manatee Counties, the Cities of Punta Gorda and North Port, SWFWMD and FDEP for feedback.

• February & March 2017 - The Board approved King's Work Order 2 for 'Design, Permitting and Bid Phase Services at the February 1, 2017 Board Meeting. King was issued the Notice-To-Proceed for Work Order 2 on February 10th. A Kickoff Meeting for the Design Phase was held on February 15th.

On March 1st a meeting was held with King, the Authority and the president of the Three Rivers Home Owners Association to discuss the proposed horizontal direction drilling (HDD) alignment at Shell Creek. The Three Rivers HOA does not have any issues with the proposed HDD alignment passing under the HOA's boat ramp property located on the north side shore of Shell Creek, downstream of the Hendrickson Dam. Additionally, King has been in communication with private property owners along the proposed (HDD) route at Shell Creek where easements may be required.

On March 6th an Operations Coordination meeting was held with the City of Punta Gorda at the Shell Creek Facility (SCF). Discussions focused on the Phase 1 Interconnect connection at the SCF, use of proposed pumps in the existing clear well to be dedicated to the Phase 1 Interconnect (for pumping flows south to north), communications from the new meter station to the SCF via fiber, and power for the new meter station.

• In March geotechnical boring were performed in and around Shell Creek for the proposed horizontal direction drilling subaqueous crossing of Shell Creek. The dam transects survey for the HDD alignment was also completed. Identification, collection of information and

survey of environmental sensitive areas is underway for permitting in the vicinity of Shell Creek.

During this period King has completed the majority of the topo survey of the Phase 1 Interconnect alignment. King provided proposed plan drawings of the alignment to other utility providers along the Phase 1 route to coordinate and identify potential infrastructure conflicts. The Project design drawings are 30% +/- complete. Currently, the Project is on time and on budget.

• April & May 2017 - Project Progress Meetings were held on April 25th and May 10th and attended by King the Authority, SWFWMD (April) and the City of Punta Gorda (April). Geotechnical Work for the Shell Creek Horizontal Direction Drilling (HDD) crossing was completed in May. King is currently refining the HDD alignment across Shell Creek. When the HDD alignment is selected, a bathymetric survey of the proposed alignment and the mean high water survey will be performed.

King's land agent met with property owners and representatives of the Three Rivers Home Owners Association on May 16th to discuss potential easements for the Phase 1 Pipeline alignment/HDD at Shell Creek.

King and the Authority met with the FDEP regarding pre-application for the Environmental Resources Permit (ERP) on May 16th. On May 24rd King and the Authority met with the U.S. Army Corps of Engineering (ACOE) regarding pre-application for the ACOE Permit for the entire proposed pipeline alignment.

This period topographic survey for the Phase 1 Interconnect alignment was completed. Survey of subsurface utilities, was also completed. Additionally, survey of environmental sensitive areas for permitting was completed. King submitted proposed design drawing for the pipeline route with profiles. The project design drawings are 50%+/- complete. Currently the project is on budget and schedule.

• June & July 2017 - On June 20th a Project Progress Meetings was held and attended by King the Authority and SWFWMD. King reviewed pipeline plan and profile, and meter station progress, drawings. Engineering evaluations regarding pipe selection (wall thickness and corrosion control) were discussed. Additionally, the proposed table of contents for Project Specifications was reviewed.

On April 10th the Authority requested an Amendment to the SWFWMD Cooperative Funding Agreement (CFA) to the revise the Contract Period Schedule. On June 13th SWFWMD returned the Amendment to the Agreement for signature by the Authority. The Authority returned signed the Amendment to SWFWMD on June 19th.

The draft USACOE permit and FDEP ERP permits have been drafted by King subconsultants and are under review by King Engineering.

This period the Tidal Study at Shell Creek was accepted by the FDEP (May 23, 2017). King

has also completed the Bathometric Survey for the proposed Horizontal Directional Drilling (HDD) alignment across Shell Creek.

On June 12th, King and their Land Agent (FLAA) and the Authority met with General Counsel/Manson Bolves Donaldson P.A. to discuss property procurement for the pipeline alignment at Shell Creek. Easement documents, and legal descriptions and sketches, are being developed.

The Phase 1 Project design is approximately 60% complete. The Project is currently on budget and schedule.

• August & September 2017 - On August 11, 2017 a Project Progress Meetings was held and attended by King and the Authority to discuss operations parameters for the Phase 1 Interconnect. Meetings are scheduled with the City of Punta Gorda and Desoto County to discuss control strategies at the Shell Creek Water Treatment Plant and the Desoto County South Booster Station for inclusion in Kings 60% design submittal.

The USACOE permit application was submitted on September 5, 2017. The Florida Department of Transportation permit application for the Phase 1 alignment will be submitted in early October. The Florida Department of Environmental Conservation Environmental Resources Permit (ERP) is on schedule to be submitted subsequent to the 90% design in December 2017.

Sketches and legal descriptions have been completed for all property owners along the Horizontal Direction Drilling (HDD) alignment on both sides of Shell Creek. Estimated costs for permanent and temporary utility easements have been established for discussion with the property owners. Currently the Authority and General Counsel (Manson, Bolves, Donaldson, P.A.) and King are coordinating to secure easements on private property under Shell Creek and on state owned submerged lands as required to obtain the Sovereignty Submerged Lands easement (SSL). The bathometric survey for the HDD alignment will be scheduled subsequent to obtaining private property easements and the state SSL easement at Shell Creek.

King submitted the 60% design (drawing, specifications and revised opinion of construction cost) to the Authority for review. The project and is currently on budget and schedule.

October & November 2017 – On September 27, 2017 an Operations Coordination meeting was held with the City of Punta Gorda to discuss the Meter Station control valve, and valving that will be installed on the Shell Creek WTP site. On October 3, 2017 the 60% design was submitted to the FDEP, which was subsequently was found to be acceptable by the FDEP. On October 5, 2017 the 60% design was submitted to the SWFWMD which was subsequently found to be acceptable. On October 24, 2017 the 60% design meeting was held with King and the Authority. On October 31, 2017 King submitted the Pipe Wall Thickness Memo for the Phase 1 pipeline. King also completed the bathymetric survey for the Shell Creek HDD crossing in October.

On November 21, 2017 King submitted the FDOT Permit Application for Phase 1. Property acquisition work continued. The FDOT Permit application was submitted. The FDEP ERP application is anticipated to be submitted in December. King is currently developing the 90% design submittal. The project is on schedule and on budget.

- December 2017 & January 2018 On December 5, 2017 a meeting was held with Charlotte County Public Works to discuss Right-of-Way Permitting requirements for the Phase 1 Project. On December 13, 2017 King submitted the 90% Design Documents which were distributed to the SWFWMD, FDEP, City of Punta Gorda and Desoto County. King also completed hydraulic and transient modeling for the Phase 1 Interconnect. On December 28, 2017 the Environmental Resource Permit application was submitted to the FDEP. The Application included the Application for Authorization to Use State-Owned Submerged Lands at the Shell Creek crossing. All above permit application are under review by the respective agencies. The Gopher Tortoise Relocation Permit Application is anticipated to be submitted to the Florida Fish and Wildlife Conservation Commission in February. The Phase1 Interconnect Project is on schedule and on budget
- February and March 2018 King submitted the Phase 1 Interconnect 90% Design Documents on December 13, 2017. A Project Progress Meeting was held with King Engineering on February 12, 2018 to review the updated 90% Design Documents and to discuss permitting and land acquisition status.

On February 9, 2018 the Authority advertised Request(s) for Statement of Qualifications (RFSOQs) for Phase 1 Prime Contractors and Phase 1 Horizontal Directional Drilling (HDD) Subcontractors. The RFSOQs were advertised in local newspapers and posted on the Authority Web Page. On February 23, 2018 the Authority held a meeting with King Engineering to review and discuss Contractor written questions and Authority responses, regarding the RFSOQs. Two addendums for the RFSOQs were posted on the Authority Web Page on February 16, 2018 and February 27, 2018. The Authority received seven SOQs for Prime Contractors and five SOQs for HDD Subcontractors by the March 12, 2018, 2:00pm deadline. From March 12-19 SOQ submittals were evaluated. On March 15, 2018 King and the Authority met to discuss Contractor SOQs. King submitted a Memorandum on Contractor Prequalification in recommendations on March 19th. On March 20, 2018 the Authority posted a Notice-of-Intended-Decision on prequalified Prime Contractors and HDD Subcontractors on the Authority website.

The Application for the FDEP Environmental Resource Permit/State Owned Submerged Lands (SSL Easement) was submitted to the FDEP by King Engineering on December 28, 2017. To date the following actions have been taken:

- February 16, 2018 the FDEP Posted Permit 359802-001 on the FDEP Web Page.
- February 20, 2018 and March 1, 2018 King and the Authority held conference calls to discuss responses and clarifications of the posted permit
- March 1, 2018 King posted permit responses/clarifications on the FDEP Web Page
- March 1, 2018 the FDEP responded that a permit modification was required to address the HDD subaqueous route at Shell Creek.

- March 6, 2018 King and the Authority's Attorney held a conference call with the FDEP to discuss the Sovereignty Submerged Lands (SSL) Authorization associated with the Permit.
- March 7, 2018 King submitted /posted the permit modification application.
- March 9, 2018 FDEP noticed that they were in receipt of the permit modification application (359802-002) and the modification is under review.

The FDEP ERP 359802-002 is anticipated to be received by April 1, 2018.

The Phase 1 Gopher Tortoise Permit No. GTC-18-00072 was issued to the Authority on March 20, 2018.

The FDOT permit application (assigned Permit No. 2017-H-197-8) is still under review. We anticipated receiving the permit by May 1, 2018.

The Smith Property - Temporary Construction Easement, and Smith Property - Non-Exclusive Waterline Easement, were recorded in Charlotte County on March 7, 2018. King Engineering is currently having the remaining Phase 1 Interconnect easements (9) appraised for upcoming negotiations with property owners for prospective easements.

On March 21, 2018 a coordination meeting was held with King, the City of Punta Gorda and the Authority at the Shell Creek Water Treatment Plant (SCWTP) to discuss flushing and disinfection of the proposed Phase 1 Interconnect from the south side of Shell Creek to the SCWTP. The Phase 1 Interconnect Project is on schedule and budget.

- April and May 2018 On April 4, 2018 the Board approved Contractors who prequalified based on review of their Statements-of-Qualification by King and the Authority. This included 6-Prime Contractors and 5-HDD Subcontractors.
 - Prime Contractors included: Felix Associates, Garney Construction, Metro Equipment Service, Reynolds Construction, Westra Construction, and Woodruff and Sons.
 - HDD Subcontractors included: Atlas Trenchless, DBE Utilities, ECI Drilling, MAXX HDD, and TB Landmark.

During April the Appraiser for King completed appraisals 6-easements. Subsequent to obtaining the appraisals Statement of Offer Packages were transmitted to 5-property owners for easements along the Phase 1 Pipeline alignment. On April 4th a meeting was held with King, Authority Attorneys (teleconference) and the Property Appraiser. On April 9th a meeting was held with King and FLAA (Land Agent) to discuss easements. On May 3, 2018 a meeting was held with King (teleconference) and Authority Attorneys to discuss strategies for obtaining required easements.

On April 13th the Drinking Water General Permit application was submitted to the FDEP. The FDEP reviewed and stated that a Drinking Water Specific Permit was required for the Phase 1 Project. On April 18th the Drinking Water Specific Permit application was submitted to the FDEP.

Phase 1 Permits to Date:

- Gopher Tortoise permit issued March 20, 2018
- o USACOE permit issued March 28, 2018
- FDOT Permit issued April 11, 2018
- FDEP ERP/SSL –May 2018
- FDEP Drinking Water Specific Permit May 2018

King submitted a Flushing and Disinfection Memo for the Phase 1 Interconnect on April 17, 2018.

The FDEP ERP 359802-002 is anticipated to be noticed in early May.

Property Acquisition / Easements

All property owners along the Phase 1 Interconnect alignment have been contacted.

- South Side of Shell Creek easements have been obtained
- Shell Creek (properties in water) Two property owners have been sent Statement Offer Packages
- North Side of Shell Creek Three property owners have been sent Statement Offer Packages
- Desoto County One easement, anticipated to be obtained in May.

The Phase 1 Interconnect Project is on schedule and budget. The Authority continues good faith negotiations with property owners for easements.

• June and July 2018

Permits:

On May 14, 2018 the FDEP ERP was advertised for Notice for 14-days. On May 28, 2018 the FDEP ERP was obtained by the Authority. On May 25, 2018 the FDEP Drinking Water Specific Permit was obtained by the Authority. Permits required to be obtained by the Owner have been acquired. These include the FDOT, FDEP ERP, FDEP Drinking Water, USACOE, and Gopher Tortoise, permits.

Easements and Property:

On May 30, 2018 a conference call was held with the Authority, King and Manson Group to discuss strategies to obtain easements. The Authority continues good faith negotiations with two property owners for easements. On June 22, 2018 Eminent Domain proceedings for easement takings, on four properties, were filed with the Circuit Court of Charlotte County. The Berkman Land Trust offered to sell two land parcels in lieu of selling an easement. These parcels are located on the north side of Shell Creek on both the west (pipeline alignment) and on the east side of the City Punta Gorda Reservoir dam. Both parcels are adjacent to the dam, the west parcel includes approximately 40 acres and the east parcel includes approximately 17 acres

Bidding Documents:

King Engineering submitted the Phase 1 Project draft Bidding Specifications to the Authority on June 8, 2018, and are currently under review by the Authority.

Schedule:

The Authority currently anticipates bidding the Phase 1 Project in mid-September and taking the Construction Contract and the Engineer's Work Order for Construction Phase Services to

the Board in December for approval. The Phase 1 Interconnect Project is on schedule, pending favorable easements acquisition, and on budget.

• August and September 2018

Easements and Property:

On August 23, 2018 a site visit /meeting regarding (Shell Creek Crossing) properties was conducted with the Authority Attorney to discuss outstanding easements. Due to title complications with the Berkman Land Trust parcel on the east side of the Punta Gorda Reservoir Dam the Authority is only pursuing the purchase of the Land Trust parcel on the west side of the dam which coincides with the Phase 1 Pipeline alignment. On June 22nd Eminent Domain proceedings for easement takings, on four properties were filed with the Circuit Court of Charlotte County. The Authority continues good faith negotiations with these property owners.

Bidding Documents:

King Engineering submitted the Phase 1 Project draft Final Bidding Documents to the Authority on September 4, 2018. Documents are currently under review by the Authority.

Permit Summary

The following permits have been obtained for the Phase 1 Interconnect - FDEP-ERP, FDOT Utility Permit, USACOE Nationwide-12, FWC Gopher Tortoise, and FDEP Permit to Construct Drinking Water System.

SWFWMD:

On August 15, 2018 the Authority requested a Second Amendment to the funding Agreement No. 15C00000052.

Schedule:

The Authority currently anticipates soliciting bids from pre-qualified contractors this fall and award of the Construction Contract, and the Engineer's Work Order for Construction Phase Engineering Services, late this CY or early CY 2019.

• October and November 2018

Easements and Property:

On June 22nd Eminent Domain proceedings for easement takings, on four properties were filed with the Circuit Court of Charlotte County, Case No. 2018-CA-000581. The Authority anticipates reaching negotiated settlements for these properties, via Stipulated Order of Takings – Final Judgement in CY 2018. The Stipulated Settlements include three (3) Permanent Utility Easements and three (3) Temporary Construction Easements collectively. Based upon a favorable outcome, this will finalize property acquisition for the Project. The total cost (including filing fees) for the easements in Case No. 2018-CS-000581 has been negotiated for \$171,717.50.

The land purchase (Pin#402420151002 approximately 40-acres) from Jackowitz and Berkman Land Trust, for \$10,000, in lieu of a Permanent Utility Easement parcel purchase was recorded with Charlotte County on October 11, 2018. The parcel purchase for a Permanent Utility Easement from Walmart Stores was recorded in Desoto County on October 17, 2018. The purchase cost is \$2,600.

Bid Phase:

King Engineering submitted the Phase 1 Project Final Bidding Documents to the Authority on October 1, 2018. On October 4, 2018 Bid were solicited from pre-qualified bidders. The Mandatory Pre-Bid Meeting was held on October 11, 2018. On October 25 Addendum 1 was posted on the Authority web page. The Bid Opening was held on November 7, 2018, five of the six pre-qualified bidders' submitted bids. The apparent low bid was submitted by Reynolds Construction with a bid price of \$8,228,000. King Engineering reviewed Contractor bid submittals, and prepared a bid tabulation and letter of recommendation for Award of the Construction Contract for Phase 1 Project, dated November 14, 2018. Subsequent to negotiation, King's Work Order 3 for Construction Phase Services, at a price of \$897,470 was finalized and submitted on November 15, 2018.

Permit Summary

The following permits have been obtained for the Phase 1 Interconnect - FDEP-ERP, FDOT Utility Permit, USACOE Nationwide-12, FWC Gopher Tortoise, and FDEP Permit to Construct Drinking Water System.

SWFWMD: (N416) Agreement

On October 4, 2018 the Authority Web Page link, for the Phase 1 Bid Documents, was emailed to SWFWMD. On October 9, 2018 SWFWMD approved the Second Amendment to the funding Agreement No. 15C00000052. The amendment addressed the Project Schedule.

FDEP: (LP08032) Agreement

The FDEP Funding Agreement was amended in October to adjust the Project Schedule. On October 4, 2018 the Authority Web Page link, for the Phase 1 Bid Documents was emailed to the FDEP.

On October 18, 2018 the following was forwarded to FDEP

- a list of approved permits (Owner secured)
- a list of permits to be obtained by the Contractor
- newspaper notices for Invitation to Bid
- Invitation to Bid

Schedule:

If construction contract, engineering services work order and land costs are approved at the December 5th Board meeting, it is anticipated that the Notice-to-Proceed will be issued to Reynolds (for construction) by mid-January 2019. The Phase 1 is scheduled for completion in the spring of 2020. The Phase 1 Interconnect Project is on schedule and budget.

• December 2018 and January 2019

Easements and Property:

The Stipulated Order of Taking – Final Judgements for easements on three properties were recorded in Charlotte County on December 27, 2018. Property acquisition for the Project has been completed. Negotiations for Final Judgements for easements were approved at the December 5, 2018 Board Meeting.

Bid Phase:

Reynolds was awarded the Construction Contract at the December 5, 2018 Board Meeting and sent a Notice of Award on December 7, 2018. Reynolds was issued the NTP on January 24, 2019 at the Pre-Construction Meeting.

King's Work Order 3 for Construction Phase Services, at a price of \$897,470 was finalized and submitted on November 15, 2018. King was issued a Notice to Proceed on December 11, 2018.

Notice to Proceed was issued to Reynolds Construction, LLC on January 24, 2019.

The Interlocal Agreement with the City of Punta Gorda was Amended (No. 1) to update the Project Schedule. The Amendment was approved by the Board at the December 2018 Board Meeting.

• February and March 2019

Construction Phase:

The project team has been coordinating on early job activities including: shop drawing submittals, establishing job protocols, setting up the project schedule, developing the schedule of values and agreement on pay application format/processing instructions. The Contractor has mobilized the Engineer's field office to the site and is working to get it connected to necessary utilities. Additionally, the Contractor is currently performing field preparation and survey for mobilization of equipment for the horizontal directional drill Work under Shell Creek. Pipe installation is still several weeks off due to the lag time between approved shop drawings and fabrication, coatings application and shipment of pipe.

Schedule:

The Phase 1 is scheduled for completion in the spring of 2020. The Phase 1 Interconnect Project is on schedule and budget.

• April and May 2019

Construction Phase Meetings:

Regularly scheduled Project Progress Meeting were held every 2-weeks and attended by Reynolds Construction, King Engineering, the Authority and SWFWMD. On April 11, 2019 Reynolds held a Horizontal Directional Drilling (HDD) Pre-Task meeting including the HDD subcontractor, MAXX. Environmental Services:

The Engineer conducted the Gopher Tortoise preconstruction inspection during April. Four Gopher Tortoises have been relocated to an offsite reservation. The Engineer also held an Eastern Indigo Snake/endangered species Educational Meeting on April 26, 2019, attended by the Contractor, Subcontractors, and King and Authority field staff. Construction:

Contractor surveyed the pipeline alignment along US-17 (north end of alignment), mobilized their pipe crews, equipment, and staged initial pipe deliveries. Reynolds began installation of the pipe during the week of May 13, 2019.

Submittals for the HDD Work have been approved by King Engineering and HDD equipment was mobilize, and tested. The HDD alignment was surveyed, and steering head guidance wires were installed. During the week of May 6, 2019 the Contractor calibrated the drill head, installed vibration monitoring equipment on the Shell Creek Reservoir Dam and began drilling the borehole. To date (May 13) the Contractor has drilled approximately 1400-lf of the borehole at the Shell Creek crossing. The Phase 1 is scheduled for completion in the spring of 2020 and is within budget.

• June and July 2019

Construction Phase Meetings:

Regularly scheduled Project Progress Meeting were held every 2-weeks and attended by Reynolds Construction (General Contractor), King Engineering, the Authority, SWFWMD and MAXX HDD (Horizontal Directional Drilling (HDD) Subcontractor). Environmental Services:

To date, a total of eight Gopher Tortoises have been removed and relocated to an offsite reservation. During drilling operations the Contractor monitored Shell Creek in boats and from the shore for inadvertent returns. There were no occurrences in Shell Creek. Construction:

Reynolds continues to install 24-inch diameter ductile iron pipe (DIP) along US-17. To date Reynolds has installed approximately 2,500-lf of pipe. Reynolds is restoring the pipeline path on a continuous basis including fine grading and sod placement. King Engineering has been conducting geotechnical testing (for compaction) as specified in the Contract Documents.

HDD Under Shell Creek:

MAXX mobilized to the drill site on April 23, 2019. They completed the borehole drill (initial drill 10.5-inch diameter) on May 18th. On June 3rd they completed the first ream pass (24-inch diameter), a 36-inch ream on June 18th and final ream (42-inch) on June 30, 2019. On July 6th, Reynolds completed the fusion of 3,500-ft of 30-inch (outside diameter) high density polyethylene (HDPE) pipe, performed low pressure air tests on the pipe subsequent to fusing, and staged the pipe on rollers in preparation for the pullback of the pipe into the borehole by MAXX. MAXX completed two swab passes (to remove loose sand) of the borehole on July 6th. The pullback was started on July 7th and completed July 8th. Currently MAXX and Reynolds are restoring the Work areas on the north and south sides of Shell Creek. The Phase 1 is scheduled for completion in the spring of 2020 and is within budget.

 August and September 2019 Construction Phase Meetings: Regularly scheduled Project Progress Meeting were held every 2-weeks and attended by Reynolds Construction, Ardurra (fka King), the Authority, and SWFWMD.

Change Order 1 (CO1)

Rainfall was above average during July and August. A meeting was held on August 21, 2019 to discuss unforeseen weather delays due to the abnormally wet conditions. Subsequently, CO1was prepared for agreed upon delays. If approved by the Board, CO1 will provide the Contractor with 30-calendar days (14 days in July, & 16 days in August). This will extend the Substantial Completion and Final Completion dates to April 23, 2020 and May 23, 2020 respectively. Rainfall for July 2019 and August 2019 was 26.9 inches, 10.7 inches above the normal average of 16.2 inches for July and August.

During this period, Reynolds continued to install 24-inch diameter ductile iron pipe (DIP) along US -17. The total installed during the Project through September 5th is approximately 4,400-lf (station 56+25). Wet conditions have resulted in, shutdowns, dewatering issues, compaction, grading and restoration deficiencies. On August 15th Reynolds decided to suspend pipe installation (due to wet conditions) and resumed on August 26th. Due to the Governor's declared, State of Emergency for Hurricane Dorian, Work was not allowed along US-17 from August 30th until September 4th. At the end of the workday on September 5th, Reynolds decided to stop installation of pipe beyond station 56+25 and to go back and repair deficiencies and complete restoration up to that station. Reynolds anticipates completion of the restoration. Currently the Contractor's schedule reflects being 1-month behind schedule prior to the pending CO1.

The Phase 1 Interconnect Pipeline is scheduled for completion in the spring of 2020 and is within budget.

- October and November 2019
 - Construction Phase Meetings:

Regularly scheduled Project Progress Meeting were held every 2-weeks and attended by Reynolds Construction, Ardurra (fka King), the Authority, and SWFWMD. Change Order 1

Rainfall was above average during July and August. The Board, approved Change Order 1 on October 2, 2019 for weather delays.

During this period, Reynolds continued to install 24-inch diameter ductile iron pipe (DIP) along U.S.-17. The total pipe installed during the Project through mid-November is approximately 10,000-lf (station 111+66). Wet soil conditions have continued to result in the Contractor having difficulties with dewatering, compaction, grading and restoration. The Contractor completed the Jack and Bore (112-lf of 42-inch steel casing) under North Washington Loop Road. Currently, the Jack and Bore (78-lf of 42-inch steel casing) under the Shell Creek Reservoir, Dam Road is underway.

The Phase 1 Interconnect Pipeline is scheduled for completion in the spring of 2020.

• December 2019 and January 2020

Permitting: The Gopher Tortoise Permit was amended with the FWC to extend the expiration date and additional as needed reservations were made at a Gopher Tortoise Relocation Ranch. To date 8-GTs have been relocated to a GT reservation. FDOT: FDOT conducted ROW inspections for pipe installed in the U.S.17 ROW on November 21, 2019 and January 8, 2012. Reynolds is addressing FDOT's concerns. Construction Meetings: Regularly scheduled Project Progress Meeting were held every 2-weeks and attended by Reynolds Construction, Ardurra (fka King), Authority, City of Punta and SWFWMD.

Additional Meetings: Meetings were held with Reynolds on December 19, 2019 and January 9, 2020 to discuss areas along U.S. 17, where wet soils conditions were encountered during the rainy season and the Contractor had difficulty meeting soil density requirements. The Contractor presented a recovery plan to repair as needed. On November 21, 2019 a meeting was held with Reynolds and the City of Punta Gorda to discuss SCADA coordination between the Authority and the City.

Work Progress: During this period, Reynolds continued to install 24-inch diameter ductile iron pipe (DIP) along U.S. 17. The total pipe installed during the Project through mid-January along U.S. 17 is approximately 10,000-lf (station 121+00). The Contractor cleared and grubbed and installed silt fence along the pipe alignment on the south side of Shell Creek and installed approximately 300-ft of pipe towards the Shell Creek WTP. The Contractor also removed and replaced a defective HDPE mechanical joint adapter on the south end of the HDD under Shell Creek and pressure tested the HDD.

To date the Contractor has completed the Jack and Bores at the following locations:

- o (112-lf of 42-inch steel casing) under North Washington Loop Road.
- o (78-lf of 42-inch steel casing) under the Shell Creek Reservoir, Dam Road
- (39-If of 42-inch steel casing) under South Washington Loop Road

The Phase 1 Interconnect Pipeline is on budget and scheduled for completion in the spring of 2020.

• February through May 2020

Gopher Tortoise: Monitoring continued, no additional GT-relocations necessary. FDOT: Reynolds continues to coordinate with FDOT and perform restoration work in the U.S. 17 FDOT Right of Way.

Construction Meetings: Regularly scheduled Project Progress Meeting were held every 2weeks and attended by Reynolds Construction, Ardurra, Authority, City of Punta and SWFWMD. Due to the coronavirus meeting have been primarily been held via Skype. Additional meetings were held (via Skype) with the Contractor to discuss their pressure testing, flushing and disinfection plan.

During the period Ardurra provide additional resident project representation as needed to cover Reynolds increased work effort (multiple crews).

Schedule Recovery Plan: Reynolds implemented their recovery plan to reinstall pipe that had deficient compaction results and had multiple crews on site and completed:

- Reinstalling approximately 6,000-If of 24-inch DIP along US17 that did not meet specifications
- Connections at the Desoto County Regional Transmission Main (north end)
- o Pre-flushing approximately 14,800-lf along US17

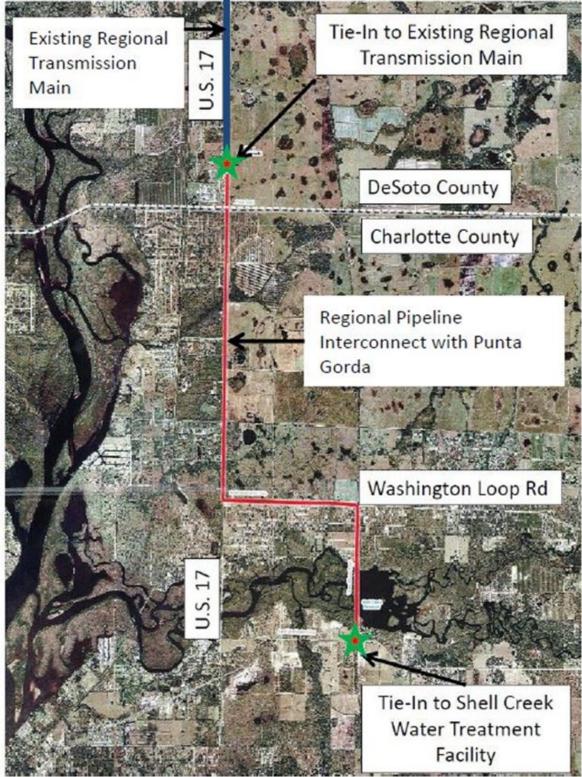
- Connection at the Shell Creek Water Treatment Plant (south end)
- Installation an additional 9,000-If of 24-inch pipe along US17
- Installation of 9,900-lf 24-inch along North Washington Loop Rd.
- Installation of 3,000-If along Three Rivers Rd. and completed the connection to the north end of the horizontal direction drill HDPE pipe.
- Pipe installed this period had passing density results
- Completion of Shell Creek Meter Station and radio tower, including vendor testing of equipment, and SCADA programming

Currently the Contractor is completing installation of air relief valves, blow offs, installation of one remaining inspection manhole and tie in south of Shell Creek, and preparing for pressure testing, flushing and disinfection of the Phase 1 Pipeline.

Construction Schedule: Reynolds latest construction schedule projects them being behind schedule (about 18-calendar days) based upon Change Order 1 approved by the Board in October 2019. There is uncertainty if Reynolds can meet contractual completion dates. Per CO1 the project final completion date is May 23, 2020

The Phase 1 Interconnect Pipeline is on budget. Projected completion is anticipated late spring of 2020.

PHASE 1 CONCEPTUAL ROUTE



PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 4

Regional Integrated Loop System Phase 3B Interconnect Project [S.R. 681 to Clark Road]

Project Status Report

Project:	Regional Integrated Loop System Phase 3B Interconnect Pipeline Project [Preymore Interconnect Clark Road (SR 72)]
Date:	May 27, 2020
Prepared by:	Kevin Morris, Manager of Engineering & Projects

The following information summarizes the project description and current status.

Project Description

The Phase 3B Interconnect will extend the regional loop system within Sarasota County approximately 5 miles further north from the Preymore Interconnect location near the Central County Solid Waste Disposal Complex to Clark Road (SR 72). The Phase 3B Pipeline will be bidirectional and will interconnect with the regional Phase 3A pipeline to the south and to Sarasota County's system on the north. The project consists of approximately 4 miles of 48-inch diameter steel pipe and another mile of 36-inch diameter ductile iron pipe. The project is currently under construction.

Current status

The project was bid on May 14, 2019 and four timely bids were received on June 26, 2019 from pre-qualified contractors. Engineer's Estimate for construction was \$13,220,000. Bids ranged from \$12,092,815 to \$15,571,092.87. Lowest bid was received from Garney Companies, Inc. at \$12,092,815. The construction contract and the engineer's construction phase services work order were both approved through Board action at the July 31, 2019 Board meeting.

In February, 2020 pipe began to be delivered and installation began in mid-March. There are several significant activities including a canal crossing and installation of piping in a wet ditch area that are scheduled for completion during the dry season that we will be following progress in these areas with interest. There are photographs of the piping laid out along the route and being installed over the next several pages.

Project Photos:





























Project History Briefing

Project: Phase 3B Regional Interconnect Pipeline Project

Date: May 27, 2020

Prepared by: Kevin Morris, Manager of Engineering & Projects

The following information summarizes the historical milestones and events of the Phase 3B Regional Interconnect Pipeline Project.

•	July 24, 2015	The Authority advertised for Consultant SOQ Packages for engineering design and construction management services for the Phase 3B Regional Interconnect Pipeline Project.
•	August 5, 2015	The Authority Board of Directors approved the Southwest Florida Water Management District cooperative funding request for the project "Phase 3B Regional Interconnect Pipeline Project for an estimate project cost of \$26,970,000.
•	August 25, 2015	Consultant SOQ Packages were due. A total of five packages were timely received from the firms identified in alphabetical order as follows: Atkins North America Inc., Black & Veatch Inc., HDR Engineering Inc., King Engineering Associates Inc. and Stantec Consulting Services Inc.
•	August 28, 2015	Distributed electronic copies of the SOQ packages to member and customer Utility Directors for feedback or comments. Feedback requested by September 14, 2015.
•	September 22, 2015	Following review of the SOQ packages and in accordance with the Authority's Procurement Policy a short-list of three top candidates was developed and included: HDR Engineering Inc., Inc., King Engineering Associates Inc. and Stantec Consulting Services Inc.
•	October 7, 2015	The Authority Board listened to presentations from the shortlisted firms (HDR Engineering Inc., Inc., King Engineering Associates Inc. and Stantec Consulting Services Inc.). The Board ranked the consultants to establish the order-of-preference, with King Engineering Associates Inc. selected as the top-ranked firm.
•	December 2, 2015	The Board approved a contract with King Engineering Associates Inc. for Professional Engineering Design and Construction Management/Inspection Services for the Phase 3B Regional Interconnect Project.

- December 2, 2015 The Board approved Work Order No. 1 'Phase 3B Interconnect Preliminary Design Services' for \$397,958 which included \$25,000 of contingency funding with the stipulation that work not be commenced until a letter of funding commitment had been received from Sarasota County for the cost. Work Order No. 1 included evaluation of up to five (5) major pipeline corridor routes between the existing terminus of Phase 3A at 681 northwards to Clark Road. This work included efforts to coordinate with multiple Sarasota County Departments for future planning and infrastructure work in this area. The work included modeling of flows and pressures and will result in a recommendation for pipeline diameter, a route, a possible pumping station location and estimated construction cost. This effort was planned to be completed within 270 calendar days.
- January 26, 2016 Sarasota County Board of County Commissioners approved a letter of funding commitment for the entirety of the cost of Work Order No. 1 at \$397,958 should the out-of-cycle funding request to the Water Management District to cover part of Work Order No. 1 be denied.
- January 28, 2016 Authority Board approves out-of-cycle funding request to the Water Management District for the project
- February 3, 2016 Authority staff sends a letter requesting out-of-cycle funding for the project to the Water Management District.
- February 3, 2016 Authority staff issue Notice-to-Proceed to King Engineering Associates Inc. for the project. It is noted that this approximately 2 month's post Board-award of the Contract Work Order No. 1. This delay is considered unavoidable as the Authority Board clearly indicated work should not commence until funding was assured. Authority staff not this delay could not be avoided and will be considered if the work under Work Order No. 1 should run into difficulty meeting its original 270 calendar day schedule for completion.
- February 17, 2016 Project kickoff meeting was conducted at the Sarasota County BOB Building including staff from Sarasota County, King Engineering Associates Inc., Southwest Florida Water Management District and the Authority. A significant amount of planning information was delivered to the team by Sarasota County staff.
- February 25, 2016 Draft of Interlocal Agreement as required by the MWSC for the Phase 3B Regional Interconnect Project between the Authority and Sarasota County distributed to key County staff for review and comment.

- February 29, 2016 Project meeting conducted with Sarasota County Utilities Water System staff at the Sarasota County BOB Building including staff from Sarasota County, King Engineering Associates Inc. Southwest Florida Water Management District and the Authority. Items discussed at the meeting were County expectations concerning delivery pressure and disaggregation of future water demands. County staff also related their intended operational protocols for the new project and provided feedback on preliminary pipeline routes.
- March 14, 2016 Project meeting conducted with Manatee County staff at the Manatee County Utilities Operation Division facility on west Cortez Road. Participants included staff from Manatee County, King Engineering Associates Inc. Southwest Florida Water Management District and the Authority. Items discussed included location of existing Manatee County water mains near the county line, planning for future water mains and expectations regarding emergency supply interconnection and routine water transfers in large mains that may be needed to keep water mains from becoming stagnant.
- March 25, 2016 Project meeting with Sarasota County Utilities Water, Solid Waste and Stormwater System staff at the Sarasota County BOB Building including staff from Sarasota County, King Engineering Associates Inc. Southwest Florida Water Management District and the Authority. The team discussed constraints in the area of the Sarasota County Landfill and Dona Bay project areas including the alternate landfill access route along Knights Trail Road, planned roadway improvements in the area and the need for the landfill and Dona Bay projects to collaborate on significant earth movement projects over the next several decades and how this might impact some of the pipeline routes.
- April 8, 2016 Project meeting with Sarasota County Utilities, Planning and Transportation Department staff at the Sarasota County BOB Building including staff from Sarasota County, King Engineering Associates Inc., the Southwest Florida Water Management District and the Authority. The group discussed planned roadway developments in the project area over the next several years.
- April 18, 2016 Project meeting with Florida Power and Light (FP&L) including staff from King Engineering Associates Inc. and the Authority at the FP&L Hammock Place Substation Operations Center in Sarasota. The group discussed co-locating water lines within or proximate to existing power transmission corridors for the Phase 3B as well as Phase 1 regional interconnect pipeline projects.
- June 20, 2016 Project meeting with Sarasota County staff including staff from King Engineering Associates Inc., the Authority and SWFWMD

staff at Sarasota County BOB building. The group discussed potential pipeline corridors and the project team elicited County input on suitability of corridors north of SR 72 (Clark Road). Although the Phase 3B project does not currently extend northward of Clark road at this time, where Phase 3B gets installed will greatly influence the routing for future Phase 3C anticipated sometime after the year 2022. County staff expressed a preference for routes further east, away from existing development where there are fewer existing encumbrances. Many of the eastward routes under consideration also would likely involve lower land acquisition costs since the County owns much of the land along those potential routes. The Project team also discussed conceptual level costs.

- June 21, 2016 Amendment No. 1 was issued to King Engineering Associates, Inc. for Work Order No. 1 to fund an effort behind identifying potential parcels for a Phase 3C pump station in the vicinity of Fruitville and Lorraine Roads. Although this pump station will not be constructed as a part of Phase 3B, it was deemed prudent to start the search activity now while vacant, undeveloped lands were still available in that region. This effort will only identify suitably sized parcels; it does not include contacting landowners to assess their willingness to sell not real estate negotiations. This work was funded using \$24,849 of the Owner's Contingency Allowance.
- August 2, 2016 Met with a property owner along one of the potential routes to discuss potential easement acquisition: Roman Catholic Diocese of Venice.
- August 16, 2016 Met with a property owner along one of the potential routes to discuss potential easement acquisition: LT Partners, LLLP.
- August 16, 2016 Met with a property owner along one of the potential routes to discuss potential easement acquisition: Mrs. Hawkins.
- September 6, 2016 Presented summary of potential Phase 3B pipelines routes and discussed selection criteria and weighting factors with Sarasota County staff. At this point all of the environmental assessments have been completed including wetland assessments, protected species reviews, floodplain issues and soils reviews. In addition, all potentially affected private property owners along the routes have been contacted regarding acquisition of easements and that feedback was shared with County staff. King Engineering indicated route selection would be completed within the next 2 weeks and the draft Basis of Design Report was tentatively planned for completion by the end of the month.

Finally, the effort to conceptually lay out a future Phase 3C pump station and identify suitable parcels for acquisition was completed and staff was briefed on those findings and recommendations.

- September 8, 2016 Provided electronic copy of Pump Station Siting Memorandum to County staff for review.
- October 24, 2016 Authority staff reviewed draft chapters of the BODR and provided feedback and comments to King Engineering.
- October 28, 2016 Provided update to Sarasota County staff on status of the project at the County's BOB facility.
- November 8, 2016 King Engineering hand delivered the draft BODR (hardcopies and CDs) to the Authority's Lakewood Ranch office.
- November 9, 2016 Hand delivered the draft BODR report for review and comment to Sarasota County (hardcopy and CD) and in electronic version (CD) only to the following: Charlotte County, Desoto County, Manatee County and the City of North Port.
- November 17, 2016 Transmitted copies of the draft BODR to both of the project's FDEP and SWFWMD Project Managers, respectively for consideration and comment.
- December 1, 2016 Received review comments on the draft Phase 3B BODR from SWFWMD project manager.
- January 3, 2017 Coordination meeting with King Engineering Associates, Inc. to develop scope for final design work order.

• February 1, 2017 Authority Board Meeting at the PRF. At this meeting:

- The Board accepts draft Phase 3B Pipeline BODR.
- The Board is briefed on the concept of dislocating the Phase 3B Pump Station from the Pipeline Project and migrating the pump station further north where there is greater immediate need.
- Board authorizes Work Order No. 2 'Phase 3B Interconnect Final Design, Permitting and Bid Phase Services' to King Engineering Associates, Inc., for an amount not to exceed \$1,090,391. This effort included a task to complete a BODR for the Pump Station to be returned to the Board within the next 4 months.
- February 9, 2017 Project coordination meeting with SWFWMD staff to discuss cooperative funding for the project. Topics discussed included

schedule, cost and deliverables and legal review and coordination of agreements.

- March 10, 2017 Project coordination meeting with Sarasota County staff at the Sarasota County Central Solid Waste Complex attended by County Solid Waste, County Stormwater and County Utilities staff. Topics discussed included gaining access to the route for project surveyors and the soils testing and ecological consultants. We also discussed how to navigate around/under/over county conveyances and roads with our pipeline.
- March 10, 2017 Received authorization from Sarasota County Solid Waste for surveyors to access the pipeline route to commence gathering topographic data.
- March 30, 2017 Project update meeting with Sarasota County staff at the County's BOB location off Fruitville Road attended by County staff, Authority staff and King Engineering.
- April 7, 2017 AWWA Annual Water Taste Testing Event conducted at the SWFWMD's Fruitville Road location. The guest speaker from Carollo Engineers and provided an overview of a Two County Water System Hydraulic Model they were working to complete for Sarasota and Manatee Counties.
- April 26, 2017 Workshop at the Sarasota County BOB location with Sarasota and Manatee Counties and their mutual consultant, Carollo Engineers, to discuss the recently completed Two County Water System Hydraulic Model.
- May 1, 2017 Project coordination meeting with the SWFWMD in the Tampa Service Office to meet their designated 3rd party reviewer for the project (CDM) and to discuss coordination details, data needs, schedule and expectations.
- May 9, 2017 As agreed with Sarasota County staff, King Engineering Associates, Inc. reached out to Sarasota National Cemetery representatives to register interest in utility easements along the southern boundary of their property and inquire about the cemetery's willingness to cooperate on such a venture.
- May 15, 2017 King Engineering provided electronic copy of the draft Phase 3B Pump Station BODR for review and comment.
- May 16, 2017 Pre-application meeting with the FDEP in Fort Myers, FL.
- May 19, 2017 Completed internal review of Phase 3B Pump Station BODR and transmitted to King Engineering for implementation.

- May 22, 2017 Transmitted an electronic copy of the draft Phase 3B Pump Station BODR to Sarasota County for review and comment.
- May 22, 2017 Provided project WaterCAD model to the SWFWMD for their designated project 3rd party reviewer (CDM).
- May 24, 2017 Pre-application meeting with the US Army Corps of Engineers in Tampa, FL.
- May 24, 2017 Received final Phase 3B Pipeline BODR electronically. Changes from the draft BODR document accepted by the Authority Board in February are not substantive but editorial in nature.
- June 2, 2017 Received comments from Sarasota County on Phase 3B Pump Station BODR document responded in kind the same day. Several questions were answered and County preferences expressed that the Authority agreed to implement should this project proceed to the final design stage.
- June 2, 2017 Progress Meeting with King Engineering Associates at the Authority's Lakewood Ranch Office.
- June 7, 2017 Authority Board of Directors accepts the Final Phase 3B Pipeline BODR and the Final Phase 3B Pump Station BODR documents.
- June 12, 2017 Project team met with Authority legal counsel to generally discuss easement acquisition processes. The Phase 3B route falls entirely on County-owned property and so it is not envisioned that private easement acquisition will be necessary. This meeting was more a perfunctory opportunity to meet with counsel to advise them on the overall status of the project and confirm the current understanding of overall easement needs.
- June 23, 2017 King Engineering presented the compressed vertical profile for the pipeline, known in the industry as an "EKG" because it resembles a graph similar to the up and down pattern reflected in a heartbeat monitor. This tool is used to determine the relative high and low points of the pipeline which govern the installation locations for pipeline air relief valves and blow offs.
- July 3, 2017 Project team made the decision to case the 3B pipeline where it crosses from the west to the east side of the 100 foot right-of-way strip which serves as an alternate access route to the landfill from Clark Road. This will better ensure that the pipeline will be unaffected in the future should this transportation corridor door be developed.

- July 11, 2017 Transmitted Copies of Final Phase 3B Pump Station and Pipeline BODRs to FDEP point-of-contact.
- July 18, 2017 Site visit with SWFWMD staff and staff from their 3rd party reviewer, CDM.
- July 25, 2017 Met with project team at King's Tampa Offices to view mechanical pipe joint coupling hardware alternatives and listen to technical presentation by Northwest Pipe Inc. about their products for use in this project.
- August 18, 2017 Consultant reviewed the design specifications for the County's CS-03 slide gates that will hold back water during the constructed crossing of the main north-south Dona Bay conveyance channel. The team found that these gates would be acceptable to hold back the full channel height of water during construction.
- August 18, 2017 Consultant developed an analysis of the comparative cost and difficulty of construction corridor width through wetlands. A narrower path adds construction complexity but impacts fewer wetlands and costs less from a mitigation standpoint. Authority staff directed Consultant to utilize the narrowest practical path possible through the wetlands (30-feet wide). The expected net construction cost impact of this decision was under \$10,000.
- August 30, 2017 Met with SWFWMD staff, King Engineering staff and CDM staff at SWFWMD's Tampa office to review 3rd party review comments on the Phase 3B Interconnect Pipeline BODR.
- September 14, 2017 Consultant delivered 60% design drawings to Authority staff.
- September 20, 2017 Authority staff delivered review copies of 60% Design Package to Sarasota County Utility Staff as well as the Solid Waste Department since the project is constructed on lands which fall under their purview.
- September 20, 2017 SWFWMD shared final 3rd party review of the Phase 3B Pipeline Interconnect BODR with Authority staff.
- September 27, 2017 Tentatively scheduled to submit Army Corps of Engineers permit application for the project
- October 9, 2017 Submitted Army Corps of Engineers permit application for the project.
- October 10, 2017 Authority staff received draft project technical specifications from King Engineering.

- October 10, 2017 Project team reached consensus on approach on the design approach in the area of the CS-03 flow way in deciding not to rely upon the County weir structure for upstream channel flow control. The design concept will include a double sheet pile wall on either side of the excavation this reduces risk to the County structure and the pipeline construction project.
- October 23, 2017 FDEP project manager indicated receipt and acceptance of the 60% design package.
- October 23, 2017 Sarasota County Stormwater Department indicated they had no comments on the plans.
- October 30, 2017 Sarasota County Solid Waste Department provided review comments on the 60% Design Plans.
- October 30, 2017 Project team noted discrepancies in the CDM 3rd party review cost estimate document to SWFWMD project manager, however, these discrepancies did not result in a material difference to the estimate.
- November 6, 2017 Project team is coordinating with the Sarasota County Solid Waste Department to ensure that the casing design for the pipeline under the haul road is sufficient to handle loading of loaded articulated dump truck traffic.
- November 8, 2017 Received feedback from Sarasota County Transportation Department of a future roadway that could cross the pipeline and the project team is working on design changes to reflect a casing in this area so that the roadway could be built over the line without impact to the pipeline.
- November 14, 2017 Project team scheduled a site visit to Sarasota County Pump Station No. 5 for December 4th to view the site with the intent of possibly coordinating flushing and disinfection between the Authority's Phase 3B and the County's 24" pipelines.
- November 17, 2017 King Engineering provided the final Geotechnical Exploration Report for the pipeline route.
- December 4, 2017 The project team toured Sarasota County Pump Station No. 5 to better understand how the Phase 3B project needs to integrate with the County water system.
- December 6, 2017 In a meeting with County personnel the request was made to add fiber optic conduit along with the pipe to give the County the flexibility of pulling in fiber cables for communications/data in the future. Authority staff conferred this direction to the King project team.

- December 28, 2017 Sarasota County personnel (Planning & Development Services/Environmental Protection Department) advised that utility work is exempt from tree permitting except for "Grand Trees" (trees of exceptionally large trunk diameter). There is one such tree along our planned route and the project team is considering the various options.
- January 4, 2018 The King project team provided the Authority with 90% Design documents. Authority staff began their internal review.
- January 12, 2018 The project team coordinates specifications for the requested fiber optic conduit to be buried coincident with the pipeline.
- January 18, 2018 The project team is preparing to submit the ERP permit application to FDEP and has requested a permit application fee check.
- January 22, 2018 Consistent with our intent to prequalify contractors for this project, staff is reviewing the draft Request for Statements of Qualifications developed by King Engineering. It is anticipated that this process will commence shortly culminating with a list of approved contractors being presented for the Board's consideration in April 2018.
- January 23, 2018 Delivered 90% Design Documents to Sarasota County, FDEP and SWFWMD for review.
- February 1-6, 2018 Began coordination with Water Supply Authority legal counsel on easement matters.
- February 9, 2018 Published advertisement constituting the Invitation to Submit Statements of Qualifications for Contractor Prequalification for the Phase 3B Pipeline.
- February 16, 2018 Issued Addendum # 1 to the Invitation to Submit Statements of Qualifications under the Contractor Prequalification effort which began on February 9th.
- February 16, 2018 Received review comments from Solid Waste Department that included corrective notes on about a dozen sheets, clarification of soil/fill management expectations, locations for contractor staging areas and access instructions. Solid Waste also expressed caution about potential land use issues that could be associated with truck/contractor access from SR 72 (Clark Road). Finally, they reminded the team of the private property owner who has an easement over county lands that we will need to cross to build the pipeline (*note, this is the same issue was addressed in the earlier bullet reflecting activity from February 1st -6th*).

- February 27, 2018 Issued Addendum # 2 to the Invitation to Submit Statements of Qualifications under the Contractor Prequalification effort which began on February 9th.
- March 1, 2018 Received notice of "no comments" from the Sarasota County Stormwater Department, but they had been copied on the earlier Solid Waste Department's comments and so had been fully integrated into the discussions from that Department's review.
- March 1-2, 2018 Sought and received confirmation from the County Solid Waste Department regarding areas it would be suitable for the pipeline contractor to stage from without impacting County operations on the site.
- March 2, 2018 Review meeting with Sarasota County Utilities. The project team was notified that the County intended to construct a 30-inch diameter interconnecting line. The terminal end assembly had originally been sized for 24-inch diameter pipe. The project team indicated they would likely increase the Water Supply Authority pipe to match but needed to discuss with other stakeholders first. The group also discussed options for dealing with a 'grand tree' that had been identified along the project route and decided it would be best to schedule a follow-up meeting with County Natural Resources personnel and involve them in the decision process.
- March 12, 2018 Received prequalification SOQ packages from perspective contractors.
- March 13, 2018 Received FDOT permit for construction along Clark Road (SR 72).
- March 20, 2018 King Engineering develops a letter of recommendation regarding contractor prequalification and Authority posted the Notice of Intended Decision on its website indicating that all five (5) of the Prime Contractors who submitted packages were deemed suitable and recommended they all be approved as Prequalified.
- April 4, 2018 Authority Board of Directors accepts and approves list of prequalified contractors to include (listed alphabetically):

Felix Associates	Stuart, Florida
Garney Construction	Clearwater, Florida
Reynolds Construction	Pompano Beach, Florida
Westra Construction	Palmetto, Florida
Woodruff & Sons	Bradenton, Florida

• April 11, 2018

- April 11, 2018 Project team meets with Sarasota County environmental manager James Dieroff to discuss possible alternatives for the Grand Tree identified along the route.
- April 18, 2018 Project team identified that expected detail regarding mitigation appeared to be missing from the FDEP draft ERP permit, contacted FDEP to discuss and through discussion realized coordination issues stemmed from submittal of the entire BODR, which included all possible routes considered as supplemental information. Project team promised to send revised supplemental information more finely tuned to the selected route that is needed to update the draft ERP by the end of the month.
- April 24, 2018 Project team provides U.S. Army Corps of Engineers permit reviewer with supplemental information requested to help clarify the many legs of the regional integrated loop system pipeline phases and segments.
- April 24, 2018 Notified County and District Project Managers that legal counsel advised resolutions be passed at the next Authority Board Meeting confirming route of the pipeline as well as necessity for need of easements to enable easement acquisition through eminent domain procedures if needed. The preferred path forward will be through amicable negotiations but underpinned by ability to avoid protracted delays if that strategy proves fruitless.
- May 4, 2018 Project team provided to FDEP suggested modifications to the draft project ERP language to clarify certain information including the selected route and mitigation details.
- May 9, 2018 At regularly scheduled professional staff meeting, Authority staff conferred with Sarasota County staff about the above-described easement acquisition plan and the value in scheduling a project update/progress meeting for various key County staff.
- May 9, 2018 Project team met with newly assigned Army Corps permit reviewer to provide a briefing on the project.
- May 10, 2018 Submitted Grand Tree Permit application to Sarasota County.
- May 11, 2018 Army Corps permit reviewer initiates contact with adjacent property owners (this is an important part of their permitting process).
- May 16, 2018 At prompting from County Engineering Consultant Kimley Horn, provided updated hydraulic residence time calculations as

developed by King Engineering for the Phase 3B design inclusive of the final pipe sizes/lengths selected.

- May 24, 2018 A meeting was conducted with the single private property interest along the route to provide information, assurances and discuss accommodation of needed permanent and temporary construction easements over property owner's existing ingress/egress easement. The meeting was cordial and a mutually agreeable and amicable path forward was planned.
- May 25, 2018 Army Corps of Engineers publicly noticed the project which is a precursor step to permit issuance. The deadline for comments is June 18, 2018.
- June 19, 2018 Negotiated FDEP concurrence to utilize credits from the Myakka Mitigation Bank for this project as there were no other viable options close by.
- June 26, 2018 Submitted Water Main Construction Permit application to the Sarasota County Health Department.
- July 2, 2018 Project team discusses how to best feed fiber optic through casing pipes along with the carrier pipe.
- July 6, 2018 Received direction from Sarasota County Real Estate Department on County expectations for temporary construction and permanent utility line easements.
- July 10, 2018 Received appraisal for Houghtaling access rights, they are of nominal value which would have been useful for condemnation but with amicable negotiations proceeding to cooperatively use the 100' wide strip of land with Mr. Houghtaling, this fact may be immaterial.
- July 12, 2018 Received Sarasota County Department of Health permit for the project.
- July 17, 2018 Participated in meeting with Sarasota County Utility staff on coordinating the Phase 3B pipeline with the County's line from Pump Station No. 5. The group also discussed the inclusion of several casings for possible future roadways. The consensus was that this is good insurance, if the roads are ever built, we will be ready for them, otherwise there might be a need for service interruption in the future to accommodate roadway construction.
- July 18, 2018 Published notification of ERP and ERP Modification.
- July 23, 2018 Submitted RAI # 1 response to the Army Corps of Engineers.

- July 27, 2018 Met with Sarasota County Real Estate Department to give a presentation on the project to provide background for the multiple easements we will be seeking from the County.
- July 30, 2018 Shot aerial drone footage of the project route to use in discussions with County staff.
- August 6, 2018 Received direction from Sarasota County to make a presentation to the County Solid Waste and Stormwater Departments to keep them informed about the pipeline project, to help them understand how it might impact their operations and to solicit suggestions for ways to improve the project.
- August 13, 2018 Met with Authority legal counsel to discuss upcoming contract preparation work.
- August 22, 2018 Met with personnel from the County Stormwater and Solid Waste Departments to present an overview of the pipeline project and solicit feedback/suggestions.
- August 29, 2018 Authorized use of contingency funds to prepare temporary construction and permanent easements descriptions and sketches requested by Sarasota County Real Estate Department.
- September 10, 2018 Army Corps of Engineers staff contacted King Engineering for supplemental wetland mapping information.
- September 10, 2018 Project team realized that the proposed solar powered automated access gate to be installed to protect Mr. Houghtaling's driveway needs to be moved south about 250 feet to reach an area that is sufficiently free of trees so that the solar panels would be assured to receive adequate sunlight.
- September 13, 2018 Army Corps of Engineers staff requested copies of the FDEP ERP permit which had been granted.
- September 18, 2018 Revised project schedule to show tentative hold on bidding until May 2019 to allow time for the County's water main design to progress to a point where we can better assure both pipelines will be completed at about the same time (early 2021).
- September 19, 2018 Received draft US Army Corps of Engineer's permit.
- October 9, 2018 Returned US Army Corps of Engineer's permit executed with no objections.

- October 10, 2018 Remitted payment in the amount of \$11,830 to the Myakka Mitigation Bank, LLC for 0.07 offsetting Palustrine Freshwater Forested credits for pipeline impacts.
- November 8, 2018 Joined with County staff for a public meeting at the Lakeview Elementary School to discuss the Phase 3B Interconnect Project and the County's proposed pipeline connecting to Phase 3B with interested citizens.
- December 24, 2018 Responded to questions from County staff on recommended setbacks from the pipeline for Dona Bay excavations.
- December 27, 2018 Worked with County staff to secure acceptable contractor staging areas for the pipeline project.
- December 28, 2018 Worked with County staff to secure acceptable contractor staging areas and site access control for the pipeline project.
- January 9, 2019 Provided County Real Estate Department with draft temporary construction easements and permanent utility easements for review.
- February 13, 2019 County Real Estate Department approves form of temporary construction easements and permanent utility easements and tentatively schedules easements to be presented to Sarasota County BOCC in May 2019.
- March 19, 2019 Authority legal counsel coordinating access agreement documents with the single private landowner who has an ingress/egress agreement with the County over a portion of the pipeline route.
- May 14, 2019 Project is advertised. Here is a synopsis of relevant dates:
 - May 14th Advertisement
 - May 31st Mandatory Pre-Bid Meeting
 - June 14th Deadline for Questions
 - \circ June 26th Bid Opening
- June 26, 2019 Four bids received ranging from a low of \$12,092,815 to a high of \$15,571,092.87.
- July 3, 2019 Engineer of record has reviewed the bids and recommends low bidder, Garney Companies, Inc. of Winter Garden, FL.
- July 9, 2019 Authority posts Notice of Intended Decision.

•	July 11, 2019	Authority project staff met with Sarasota County staff on June 13,
		2019 to discuss clearing and disinfection coordination for the Phase
		3B Interconnect and the County's 30-inch diameter pipeline project
		from Clark Road to Pump Station 5. Four project bids received from
		pre-qualified contractors on June 26, 2019. Low bid of \$12,092,815
		was submitted by Garney Companies Inc. is advertised.

- July 31, 2019 Authority Board of Directors awards construction contract for Phase 3B Regional Interconnect Project to Garney Companies, Inc for a cost not-to-exceed \$12,092,815. Authority Board of Directors also awards a Construction Phase Services work order to the engineerof-record, Ardurra for an amount not-to-exceed \$1,355,508.
- August 6, 2019 Project team meets with Sarasota County Solid Waste Department to cover site access expectations and procedures.
- August 29, 2019 Project team meets with Sarasota County Stormwater Department to cover utility conflict concerns and coordination issues.
- September 5, 2019 Project kickoff meeting conducted at the Sarasota County Central Solid Waste Disposal Complex. Attendees included members of Authority staff, Sarasota County staff, the engineer Ardurra, the contractor Garney and the Southwest Florida Water Management District.
- October 2019 Two progress meetings were held this month as the project team continues to work on construction submittals in advance of the physical construction.
- November 2019 Progress meetings were cancelled this month although the project team continued to work remotely in advance of the start of physical construction.
- December 2019 Construction trailers were mobilized to the site. The project team continues to collaborate on schedule and submittals.
- January 2020 Equipment mobilized to the site and clearing commenced.
- February 2020 Equipment still arriving to the site. Pipe deliveries are being made (along with valves and other appurtenances). Clearing continues along with installation of dewatering systems. Contractor utilizing an alternate route to give a documented, active American Bald Eagle nest a wide berth as is required by law through the end of the nesting season in late May.
- March 2020 Onsite training for cathodic protection was completed. Clearing still underway, the Albritton ditch crossing was installed so that traffic can now pass continuously from North to South along the entire

pipeline route. Pipe installation was scheduled to commence March 16th (the day this was being written) beginning at the southernmost end of the project. A second pipe crew is expected towards the end of the month – they will focus on installing pipe beginning at the north end near the National Cemetery.

• April – May 2020 Crews have made excellent progress installing both steel pipe as well as ductile iron pipe using two separate crews. The second crew, first mentioned in March, had become available because they were working at Disney when the theme park halted all construction work there due to the Covid-19 quarantine protocols. As of this writing, the second crew had completed installation of the ductile iron main buried piping and was at work on the raised control valve assembly near Clark Road. This has placed Garney far ahead of schedule and they forecast being completed perhaps 5 months earlier than the deadline embedded in the contract.

The project roughly attained the halfway completion point in the month of May 2020. Importantly, the contractor has concluded pipeline work along the boundary of the U.S. National Cemetery, which included significant linear wetlands and is currently working on the crossing of CS-03 canal structure which is a part of Sarasota County's Dona Bay Storage and Treatment System. It was critically important to finish work in both areas before the onset of the 2020 wet season and it appears the contractor will be successful on both counts there.

Covid-19 impacts have been negligible on the project. No material shortages have been reported. And the dispersed, outdoor nature of pipeline construction allows the contractor to easily comply with safe distancing guidelines. Nevertheless, the contractor did adopt mandatory mask protocols for its employees. Project meetings transitioned in March to remote via technology platforms.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 5

Filter Covers Project

Project Status Report

Project:	Filter Covers Project
Date:	May 27, 2020
Prepared by:	Chris Rogers, Project Manager

Project Description

The Filter Covers Project was awarded to Garney Companies, Inc. of Winter Garden, FL at the July 31, 2019 Authority Board Meeting for an amount not-to-exceed \$3,853,000. This project will result in the construction of approximately 18,300 ft² of screen enclosure with access doors to the enclosed spaces. The roof systems are designed to be impervious and the side screen panels removable. The Filter Covers Project includes the construction of aluminum covers atop portions of the chlorine contact basin and ammonia chambers. Selected electrical and

communication feeds will be relocated. Exterior luminaries are updated with energy efficient LEDs and relocated to accommodate lighting the newly enclosed spaces. The plant grounding and lightning protection systems are also modified to accommodate the Work. The facilities affected are shown in the adjacent figure to the right. An artist's conceptual rendering of the filter cover structures is included on the following pages.



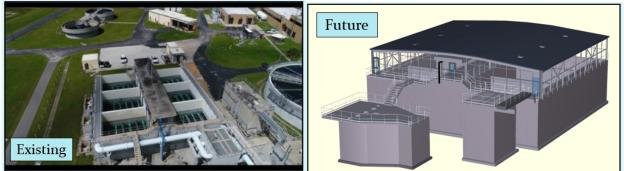
Current status

Authority staff and the engineer of record, TKW Consulting Engineers, Inc. (now Consor Engineers) conducted the initial project kickoff meeting on September 10, 2019 where various points-of-contact with each entity were established, a preliminary schedule was presented and a list of projected submittals was shared by the contractor. The project team discussed protocols for submittal processing, payment application processing and schedule development details.

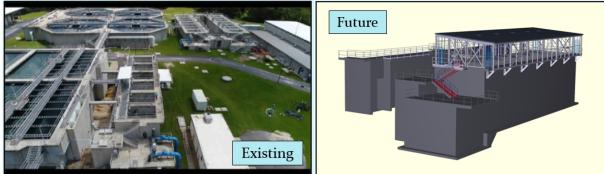
The team also discussed the need to minimize impact to operational facilities. There is major rehabilitation work ongoing at the Carlton WTP in Sarasota County over much of the next 2-year period and so it is incumbent upon the project team to devise a sequence of work which avoids major impact on the production capacity of the Peace River Facility. The Contractor agreed to further coordination meetings to refine their tentative schedule and provide greater detail to illuminate which systems and subsystems across the facility would be out-of-service related to that plan.

Artist's Conceptual Renderings

<u>Plant 1</u>



<u>Plant 2</u>



<u>Plants 3 & 4</u>



Project Photographs:

Plant 1 - Completed Structural Framing







<u>Plant 2 – Vertical Wall Mounting Bracket</u>



<u>Plant 2 – Installation of Wall Brackets</u>



Project Photographs Continued:



Removable Mock-Up Screen Panel



Temporary Protective Cloth Over Filter Basin

Plant 1 - Vertical Structural Members Installation

Plant 1 - Vertical Structural Wall Completed



History Briefing

Project:	Filter Covers Project
Date:	May 27, 2020
Prepared by:	Chris Rogers, Project Manager

The following information summarizes the historical milestones and events of the Filter Covers Project.

July 25, 2018	Authority Board of Directors authorizes bidding of Filter Covers Project with guidance that bids should be made valid for at least 180 days to insure there is adequate time to explore project funding alternatives.
February 5, 2019	Invitation to Bid is Advertised
March 21, 2019	Bid Opening
March 26, 2019	Engineer/Architect of Record Bid Evaluation and Recommendation of Award
July 9, 2019	Authority staff publishes Notice of Intended Decision
July 31, 2019	Authority Board of Directors awards contract for \$3,853,000 to Garney Companies, Inc. of Winter Garden, FL. Contract for Engineering Services NTE \$275,339 during construction awarded to TKW Engineering.
September 10, 2019	Project Kickoff Meeting was conducted at the WQTF training room. Attendees included Authority staff, TKW Engineering and Garney Companies, Inc.
October 4, 2019	Notice to Proceed was issued to Garney Companies, Inc.
November 6, 2019	Garney delivered and set-up their construction trailer and toolboxes. For the remainder of the period, the project team had several meetings to discuss the project schedule, review submittals, and coordinate specific outages.
December 2019	Project team has continued weekly coordination meetings to minimize plant downtime and outages. Demolition work is complete except for electrical modifications related to lighting which will be addressed on

each plant prior to installation of the aluminum columns and beams.

- January 2020 Project team has continued with coordination and planning meetings. The project team continued to review submittals and discuss the mockup panels. Team considered modifications to the F-panels to eliminate screening in favor of a solid panel.
- February 2020 Continued with coordination and planning meetings. Installation of temporary protection for Plant 1 filter basins was completed and accepted by the Project team. Contractor completed installation of structural anchors on Plant 1.
- March 2020Project team has continued weekly coordination and planning meetings.
Contractor has completed vertical wall construction on Plant 1 and has
begun ground fabrication and installation on roof beams. Demolition of
Plant 2 lighting has been completed and temporary lighting is in place.
- April 2020 The Covid-19 virus quarantine restrictions have not impacted dispersed out-of-doors construction, especially for utility facilities which are considered essential services. So, the project has remained on schedule. The project team adapted to conducting remote meetings via technology platforms and, when necessary to conduct meetings onsite the wearing of PPE and maintaining social distancing was observed. Vertical construction continued at the Plant 1 superstructure and roof panels began to be installed. Fabrication work continued on the screen panels.
- May 2020 Again, the ongoing Covid-19 impacts have been minimal to this project. Work continued to complete the roof panels on the Plant 1 superstructure and framing work on Plant 2 commenced. The project team successfully coordinated with Operations staff to avoid any lengthy shutdowns.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 6

Maintenance Facility & Warehouse Construction

Project Status Report

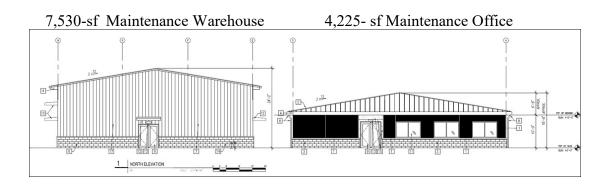
Project: Maintenance Facility and Warehouse Construction

Date: May 27, 2020

Prepared by: Ford Ritz, PE, Project Manager

Project Description

The Maintenance Facility & Warehouse construction project was awarded to L. Cobb Construction Inc. of Wauchula, FL at the July 25, 2018 Authority Board Meeting for an amount not-to-exceed \$2,544,280.24. This project will result in the construction of two buildings: a 4,225-sf office building and a 7,530-sf warehouse adjacent to the office (see below).



Current status

The Maintenance Facility is about 95% complete, with a projected substantial completion date *(as of this writing)* in late May. The office building is dried-in, walls are painted, floors are tiled although carpet delivery has suffered some delays due to Covid-19 impacts. Some work ongoing in early May in the office building included: final electrical/lighting work, paving, ceiling panels and installing plumbing fixtures in restrooms. In the warehouse structure, outside canopies, skylights and ventilation fans remain to be installed. This project is nearing completion and the Maintenance staff are anxious to occupy into the buildings and are extremely appreciative to the Board for authorizing construction of these much-needed facilities. A sequence of aerial photographs illustrating progress over the past year and half is provided on the following pages.



May 2020



April 2020



March 2020



January 2020



November 2019



September 2019



July 2019







February 2019

Project History Briefing

Project: Maintenance Facility and Warehouse Construction

Date: May 27, 2020

Prepared by: Ford Ritz, PE, Project Manager

<u>General</u>

The following information summarizes the historical milestones and events of the Maintenance Facility and Warehouse Construction Project.

October 4, 2017	Authority Board of Directors authorizes Design and Permitting Services to AECOM, Inc. for the Maintenance Facility and Warehouse.
May 9, 2018	Invitation to Bid is advertised
June 20, 2018	Bid Opening
June 29, 2018	Engineer/Architect of Record Bid Evaluation and Recommendation of Award
June 29, 2018	Authority staff publishes Notice of Intended Decision
July 25, 2018	Authority Board of Directors awards contract to L. Cobb Construction, Inc. of Wauchula, FL.
January 22, 2019	Authority issues Notice-to-Proceed to L. Cobb Construction, Inc.
October 2, 2019	Change Order 1 for 33-calendar days Board Approved
April - May 2019	This period regularly scheduled Project Progress Meetings have been held every two weeks. The meetings have been attended by Authority, L. Cobb and AECOM staff. The Maintenance Office footings, stem walls, slab and block have been completed. The Warehouse footings and slab preparation have been completed. MEPF (utilities under slabs) installation has been completed. Civil site work is ongoing. Materials have been tested per specifications. The Contract is on schedule and within budget.
June - July 2019	This period regularly scheduled Project Progress Meetings have been held every two weeks. The meetings have been attended by the Authority, L. Cobb and AECOM staff. The Maintenance

Office masonry walls have been completed and grout filled, roof trusses have been assembled and installed, and roof decking installation is near complete. The Warehouse concrete slab has been completed and installation of columns for the warehouse is underway. This period the Contractor completed installation of the storm drainage piping, continued electrical duct bank installation and cut down the parking area for subbase and base installation. The Contract is on schedule and within budget. The project is about 30% complete.

Aug. – Sep. 2019 This period regularly scheduled Project Progress Meetings have been held every two weeks. The meetings have been attended by the Authority, L. Cobb and AECOM staff. The Maintenance Office masonry walls have been completed and grout filled, roof trusses have been installed, and roof decking is complete. Interior plumbing and electrical is underway. The Warehouse frame has been erected and the siding is being installed. This period the Contractor completed installed the electrical duct bank to the lift station and placed and compacted the parking area base aggregate. There was above normal rainfall recorded on site during July and August. The Contract is within budget and about 45% complete.

Change Order 1

Due to above normal rainfall in July and August (11-inches above normal average) and based upon negotiations with L. Cobb, 30calandar days for unforeseen weather was agreed upon for July and August. An additional 3-calendar days for work was also recommended by AECOM (Engineer of Record). If Board approved, Change Order 1 will add a total of 33-calendar days to the Contract. Revised Substantial Completion and Final Completion dates will be February 23, 2020 and April 23, 2020 respectively.

Oct. – Nov. 2019 This period regularly scheduled Project Progress Meetings have been held every two weeks. The meetings have been attended by the Authority, L. Cobb and AECOM staff. Maintenance Office; This period the roof installation (dry in) is 95% complete. When the office is "dried in" the Contractor will complete interior electrical, drywall, HVAC and install exterior store front windows and doors. Warehouse; Roof insulation was completed and the standing metal roof is 95% complete. Exterior block work is 95% complete.

> Site Work; Contractor completed berm/sod along the eastern side of the site. Preparations were made for installation of the lift station and force-main alignment. The Contractor performed hot

taps for the future water and sewer connections, respectively.

The Contract is within budget and about 55% complete.

Change Order 1 Board Approved October 2, 2019. Change Order 1 added a total of 33-calendar days to the Contract. Revised Substantial Completion and Final Completion dates will be February 23, 2020 and April 23, 2020 respectively.

Dec. 19 – Jan. 2020 This period regularly scheduled Project Progress Meetings have been held every two weeks. The meetings have been attended by the Authority, L. Cobb and AECOM staff. On December 18, 2019 AECOM specialty engineers conducted a site walk through. Maintenance Office; The Contractor continued exterior masonry, installed window and door frames and began installation of sidewalks. Electrical, plumbing, and drywall installation was continued. Additionally, HVAC ductwork and ceiling fans and were installed and insulated, and air handling units were placed into the mechanical room for future connection.

> Warehouse; Electrical, installation of interior wall and ceiling liners, as well as, work on the air-conditioned space/room, was continued. Exterior wall panels around the air-conditioned space were completed. Exterior wall panels were cut to fit for sill block installation.

> Site Work; The lift station (electrical and mechanical not completed) and force-main were installed. The force main was connected to the County sanitary sewer system. The water service for the Maintenance Facility was installed and connected to the existing water main. Installation of the backflow preventer is underway.

The Maintenance Facility project is on budget, about 65% complete, and scheduled to be finished in the spring of 2020.

Feb. – March 2020 This period regularly scheduled Project Progress Meetings have been held every two weeks. The meetings have been attended by the Authority, L. Cobb and AECOM staff

> Maintenance Office; The Contractor, completed the metal roof and gutter, installed window glass and continued installation of sidewalks and curbing and began installation of exterior wall panels. Interior - electrical, and plumbing, work was continued and drywall installation was completed.

Interior painting and tile work in the bathrooms is underway.

Warehouse; Electrical panels were installed. The air-conditioned space/room, walls were insulated. Exterior trim was started.

Site Work; The lift station electrical, mechanical work, and civil work was continued. The force-main was pressure tested. The water service and backflow preventer, were also pressure tested and disinfected. Bollard were installed around the Warehouse.

The Maintenance Facility project is on budget, about 70% complete, with projected completion date in late spring 2020.

April – May 2020 This period includes the timeframe impacted by the Covid-19 virus quarantine. Construction was largely unaffected with the construction crews observing safe distancing, wearing PPE and voluntary self-isolating if they fell ill out of an abundance of caution. Delivery of some materials (indoor carpeting) has suffered minor delays due to the widespread virus impacts but substantial completion of the structure is scheduled for late May. The parking areas were paved in the first week of May and that brought an end to major construction work. Work ongoing at this time includes finishing activities such as final electrical/lighting work, ceiling panels and installing plumbing fixtures in restrooms. In the warehouse structure, outside canopies, skylights and ventilation fans remain to be installed. As we approach late May, the project is estimated to be 95% complete.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 7

Integrated Regional Water Supply Master Plan 2020

Project Status Report

Project: Integrated Regional Water Supply Master Plan 2020

Date: May 27, 2020

Prepared by: Terri Holcomb, P.E., Resource Management & Planning Manager

Project Description

At least every five (5) years the Authority updates the Integrated Regional Water Master Plan to ensure that we understand the future needs of the region, and the probable supply sources, system improvements (such as interconnections) and operational management programs required to effectively meet Customer needs. This information is also vital to our cooperative funding partner (SWFWMD) and supports the District's 5-Year Master Plan and their financial engine used to set millage rates and apportion funding to various agency programs.

The Integrated Regional Water Supply Plan 2020 will build on the Authority's 2015 Integrated Regional Water Supply Master Plan. Topics covered will include a more detailed evaluation of the future regional interconnections, update of demand projections, current and potential future sources of supply, as well as an inventory of reclaimed water resources in the region. A prioritized listing of project opportunities will be developed including cost estimates and timetables needed for implementation. Beginning this effort in FY 2018 enable the project to be completed in a timeframe consistent to support the SWFWMD's 2020 Master Plan development effort.

HDR Engineering has been selected to complete the Integrated Regional Water Master Plan 2020. Project timeframe is 18 months (projected complete in late CY 2019) and budget is \$449,936. SWFWMD has approved 50% co-funding (\$225,000) for this project.

Current status

The Board approved a contract with HDR to complete the Integrated Regional Water Supply Plan 2020 on July 25, 2018 and the Agreement was executed on August 23, 2018. A formal kick-off meeting was held on September 12, 2018. Draft sections of the Integrated Regional Water Supply Plan 2020 have been received for review and comment including Section 1 – Introduction and Brackground; Section 2 – Regional Facilities Update; Section 3 – Demand Projection Update; Section 4 – Source Selection and Resiliency and Section 6 – Water Management and Conservation. A project update and presentation on the transmission system modeling effort was made to the Authority members and customers at the September 11, 2019 Professional Staff Meeting. A project update was presented at the December 4, 2019 Peace River Manastoa Regional Water Supply Authority's Board Meeting noting a request for Board acceptance of the Integrated Regional Water Supply Plan 2020 at the scheduled April 1, 2020 meeting.

Project History Briefing

Project: Integrated Regional Water Supply Master Plan 2020

Date: May 27, 2020

Prepared by: Terri Holcomb, P.E., Resource Management & Planning Manager

The following information summarizes the historical milestones and key events of the Water Supply Master Plan 2020.

July 2018	Board approved Agreement with HDR Engineering for completion of the Authority's 2020 Water Supply Master Plan. Cost is not to exceed \$449,936. SWFWMD co-funding up to 50% (~\$225,000) is available.
August 2018	Professional Services Agreement with HDR was exected by all parties on 8/23/2018 and notice to proceed was issued. Data gathering is ongoing
September 2018	Project kick-off meeting held 9/12/2018 at the Authority's Lakewood Ranch office. HDR, SWFWMD, and Authority staff were present. Data gathering is ongoing.
October 2018	Project progress meeting held 10/26/2018 at the Authority's Lakewood Ranch office. Ongoing work includes compiling local hydraulic models into regional framework, Demand projections update and evaluation of existing facilities.
November 2018	Ongoing work includes compiling local hydraulic models into regional framework, demand projections update, compilation of existing facilities data and evaluation of opportunities at existing facilities.
January 2019	Project progress meeting held on 1/17/2019 at the Authority's Lakewood Ranch office. Draft Sections on Task 2 – Regional Facilities Update and Task 3 - Demand Projection Update are nearing completion for Staff review. In addition HDR held an additional conference call to update the status of the compilation of the regional hydraulic model.
March 2019	A project update and presentation was made at the 3/13/2019 Professional Staff Meeting in Manatee County. The Consultant Team presented on the Demand Projection Methodology with a

	Integrated Regional Water Supply Master Plan 2020 May 27, 2020
	recommendation of the most probable range of future regional water supply demands.
April 2019	Project progress meeting was held on 4/26.2019 at the Authority's Lakewood Ranch office. The Consultant Team reviewed with Authority Staff previous and new source identification and evaluation alternatives to be included in Section 4.0 – Regional Sources, Source Selection and Resiliency of the IRWSP 2020.
May 2019	Section 3.0 – Draft Demand Projection Update was sent to Professional Staff on 5/9/2019 for review and comment. A project meeting was held on 5/21/2019 to discuss regional source / system resiliency efforts and options. Draft Section 6.0 – Demand Management and Water Conservation was received on 5/23/2019 and a IRWSP 2020 Update presentation was provided to the Board at the May 29th PRMRWSA Board meeting.
July 2019	Draft Section 4.0 – Regional Sources, Source Selection and Resiliency was received on 7/8/2019 for review and comment. A project progress meeting was held on 7/12/2019 at the Authroity's Lakewood Ranch office. The Consultant Team reviewed with Authority and SWFWMD staff Draft Section 4.0 – Regional Sources, Source Selection and Resiliency.
August 2019	Project meeting held with the Consultant on August 7th to review preliminary hydraulic modeling efforts. Additional Project meeting held with the Consultant on August 28th to review comments received on the Draft Section 4.0 – Regional Sources, Source Selection and Resiliency.
September 2019	A project update and presentation was made at the September 11, 2019 Professional Staff Meeting in Charlotte County. The Consultant Team presented on the Preliminary findings from the Section 5.0 – Regional Transmission System hydraulic modeling efforts.
October 2019	A presentation was given at the American Water Works Association – Water Infrastructure Conference in St. Louis on Monday October 21, 2019 covering the benefits of a regional hydraulic model to help with emergency planning. A project meeting was held on October 24 th , 2019 to review draft sections of the IRWSP 2020 including the Regional Transmission System and Water Supply Source Evaluations.
December 2019	A project update was presented at the December 4 th , 2019 Board Meeting.

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January 2020	Draft copies of Section 4 – Regional Sources and Resiliency and Section 6 – Demand Management and Water Conservation were sent to Professional Staff on January 6 th , 2020 for review and comment. A Draft Integrated Regional Water Supply Plan 2020 was received on January 16 th for review by Authority Staff.
February 2020	Project meeting was held on February 14 th , 2020 to go over Authority comments on the Draft Integrated Regional Water Supply Plan 2020.
March 2020	Draft Integrated Regional Water Supply Plan 2020 with Authority Comments addressed/incorporated was sent to Member/Customer Professional Staff on March 12, 2020. Member/Customer review comments were requested to be returned by April 3, 2020.
April 2020	Due to the Coronavirus Pandemic (COVID-19) essential worker requirements, an extension to the Member/Customer review comments deadline was extended to April 27 th .

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY BOARD OF DIRECTORS MEETING May 27, 2020

ROUTINE STATUS REPORTS ITEM 8

Peace River Basin Report