

**Withlacoochee Regional Water Supply Authority**  
3600 W. Sovereign Path, Suite 228, Lecanto, Florida 34461

**Bills For Payment**  
**9/20/2023**

<u>Administrative Invoices</u>	<u>Invoice Number(s)</u>	<u>Invoice Date</u>	<u>Amount</u>
Suzannah J. Folsom, PE, Executive Director	1273	9/5/2023	\$7,547.14
Rob Batsel, General Counsel			\$0.00
C. LuAnne Stout, Admin Asst (Admin Services)	8-Aug-23	9/1/2023	\$3,315.00
David Bailey (July Bd Travel)		7/26/2023	\$19.58
Karen Allen (Web Maintenance)	163	9/12/2023	\$150.00
Acentria Insurance (Public Officials Liability)	WITHREG-01	8/30/2023	\$3,098.55
FL Div of Administration (Advertise Reg Plan)	140828	9/14/2023	\$6.44
Truist Bank Business Card Statement	9.2.2023	892/2023	\$18.70
<b>Total Administrative Invoices</b>			<b>\$14,155.41</b>

<u>Water Supply Studies and Facilities</u>	<u>Contract/ Budget</u>	<u>Balance Remaining</u>	<u>Current</u>
2023 General Services Contract	\$20,000.00		
Work Order 2023-01 INTERA Incorporated	\$10,000.00	\$10,000.00	
Work Order 2023-02 Hazen and Sawyer	\$10,000.00	\$1,850.00	
FY22-23 Water Conservation Grants Program	\$140,000.00		
Citrus County	\$35,075.00	\$35,075.00	
Hernando County	\$49,750.00	\$49,750.00	
Marion County	\$14,081.25	\$5,739.17 **	\$8,342.08 (1)
Sumter County	\$23,000.00	\$23,000.00	
Regional Water Supply Plan Update (Q324)	\$350,000.00	\$243,081.40	\$62,920.60 (2)
Phase 7 Irrigation Program (Q306)	\$102,000.00	\$69,501.25	\$4,332.25 (3)
<b>FY22-23 Total Project Invoices</b>	<b>\$612,000.00</b>	<b>\$437,996.82</b>	<b>\$75,594.93</b>

<b>Total Bills to be Paid</b>	<b>\$89,750.34</b>
-------------------------------	--------------------

<b>State Board of Administration</b>	<b>Transfer from SBA2 to SBA1</b>	<b>\$14,155.41</b>
<b>Deposit to Truist (SWFWMD Q306 Ph7 Reimbursement)</b>	<b>Subtract from SBA1 Transfer</b>	<b>\$21,998.50</b>
<b>State Board of Administration</b>	<b>Transfer from SBA1 to Truist Bank</b>	<b>\$67,751.84</b>

Notes:

- |   |                   |                         |
|---|-------------------|-------------------------|
| (1) Marion County FY22-23 Grants Program                      | \$8,342.08        | Invoice WRWSA FY 22-23  |
| ** Requesting to shift line item amounts (total remains same) |                   |                         |
| (2) Hazen and Sawyer - RWSP Update Project 41173-000          | \$62,920.60       | Invoice 0000003         |
| (3) Phase 7 (Q306) - Irrigation Audits                        |                   |                         |
| Jack Overdorff, ECO Land Design                               | \$3,782.25        | Invoice 566             |
| C. LuAnne Stout, Admin Services                               | \$550.00          | Invoice 8-Aug-Q306-2023 |
|   | <u>\$4,332.25</u> |                         |

# Marion County Grant Funding Line Item Adjustment for Reimbursement

Marion County is requesting that \$3,168.75 of WRWSA reimbursement be shifted from the Landscape & Irrigation Rebate Program line item to the Water Conservation Billboards line item.

## Approved Line Item Amounts

Program	Total Cost	County Cost Share	WRWSA Cost Share
Educational Outreach	\$2,500	\$1,250	\$1,250
Utility Bill Inserts on Water Use Efficiency	\$3,200	\$1,600	\$1,600
Educational Print Media	\$3,200	\$1,600	\$1,600
Landscape & Irrigation Rebate Program	\$10,000	\$5,000	\$5,000
Low-Flow Toilet Rebates (Non MCU Customers)	\$2,000	\$1000	\$1000
Low-Flow Toilet Rebates (Non-MCU Customers West of 1-75 only)	\$2,000	\$1,000	\$1,000
Water Conservation Kits	\$2,000	\$1,000	\$1,000
Water Conservation Billboards	\$3,262.50	\$1,631.25	\$1,631.25
Total Project Costs	\$28,162.5	\$14,081.25	\$14,081.25

## Requested Reimbursement Amounts

INVOICE NO. WRWSA FY 22-23

DATE: September 12, 2023  
TO: Accounts Payable Section  
Withlacoochee Regional Water Supply Authority  
3600 W. Sovereign Path, Suite 228  
Lecanto, FL 34461

REFERENCE: FY 22-23 Grant Funding Assistance Program Res. No. 22-218

### REQUEST FOR PAYMENT:

Program Name	Description	Program Amount	WRWSA Funding Assistance
Low-Flow Toilet Rebates	Low-Flow Toilet Rebates for Marion County Residents	\$640.00	\$320.00
Public Education Promo Items	Public Education Promotional Items	\$4,838.36	\$2,419.18
Low-Flow Retrofit Kits	Water Conservation Kits	\$1,605.80	\$802.90
Water Conservation Billboards	Billboard Campaign Promoting Water Conservation	\$9,600.00	\$4,800.00
Total		\$16,684.16	
50% Funding Assistance from WRWSA			\$8,342.08

WRWSA Walk-on Board item  
September 2023

# Approval of Website Services

# Current Website Services

- Karen Allen since 2010
- Requested to end contract for health reasons in May 2023
- \$150/month + \$25/hour for new content

# New Website Services

- Nature Coast Web Design and Marketing  
6791 N. Khyber Ave  
Dunellon, FL 34433  
Steve Tallman
- Initial amount - \$1000
  - Transition of files
  - Redesign to improve ADA accessibility
  - Web Based Submission of Grant Applications
- \$200/month + \$100/hour for Web Pages

# Request approval to sign new Website Services Contract

## Nature Coast Web Design and Marketing, Inc.

Phone 352-527-5796

Fax \_\_\_\_\_

URL wwsa.org

E-mail sfolsom@wwsa.org

Client Name Withlacoochee Regional Water Supply Authority Account # \_\_\_\_\_

Contact Suzannah Folsom Title Executive Director Date 09/08/23

Billing Address 3600 W. Sovereign Path, Suite 228 City Lecanto State FL Zip 34461

Pay Method Company Check Contract period from Oct 2023 to Oct 2024

Services: Redesign of website to be responsive (mobile-friendly), ADA Compliant, and include web based grant form submission capability.  
Redesign One-Time-Fee - \$1000  
Monthly Maintenance: Billed on 1<sup>st</sup> of the month, due before end of the month (includes hosting) - \$200/month  
Rate for as-needed additional major website changes outside of normal monthly maintenance (at your request) - \$100/hour

(Please sign and mail this contract to the address at bottom)

Client Name Suzannah Folsom Client Signature \_\_\_\_\_

NCWD Rep. Steve Tallman, Pres.

It is understood that signatures to this agreement are the duly authorized representatives of NCWD and the Client.

### 1.) Description of Services.

Services to be provided by Nature Coast Web Design and Marketing, Inc. (NCWD) will include the serving of said website on the Internet through a third party vendor (InMotion Hosting). Website Services will be for a one-year term of contract included in the \$200/month maintenance fee. Price may be subject to change annually. The web service includes a complete report of website traffic statistics available to the client at any time. NCWD guarantees that it will provide Client with no less than thirty - (30) days notice of any contract rate increase. Client reserves the right to cancel this agreement on or before the effective date of any such rate increase. In the event that client cancels this agreement, for any reason other than said rate increase, prior to the end of the contract term, NCWD reserves the right to bill client for any balance due on the remainder of the contract's term. All deposits are non-refundable.

### 2.) Ownership

The content of a client's website including domain name and all programming code, photos, art etc. associated with the site belongs to the client upon complete payment for the services to create that content. A back up of said materials may be furnished on a CD upon request.

### 3.) Online Communications and Availability.

NCWD strives to provide the most reliable service possible through a third-party agreement with (InMotion Hosting) hosting services. 100% uptime is unfortunately impossible due to occasional failure of equipment and scheduled down time for upgrades, however our current up time approaches 99.9%, which it is our goal to maintain. NCWD cannot be held liable for lost revenue incurred by the client as a result of hosting server down time. NCWD can only be responsible for lost service at a rate commensurate with the service fees NCWD charges, i.e. \$30.00/month equates to approximately \$1.00/day for down server time. These credits for lost service may be refunded to the client or used as credit toward any outstanding debts to NCWD.





# Florida Department of Environmental Protection

## Water Quality Improvement Grant

**Sharon Simington**

Southeast Regional Funding Lead | Hazen and Sawyer, P.C.

**Hazen**



# Agenda

---

Where the Program Was

Where the Program is Now

Eligible Projects

Program Eligibilities

New Eligibility Criteria

Program Priorities

Requirements

Budget

Funding Process

Questions





# Where the Program Was

---

## Wastewater Grant Program

- Funding for Projects:
  - Projects to retrofit septic tanks to enhanced nutrient-reducing disposal systems.
  - Projects to construct, upgrade, or expand facilities to provide AWT.
  - Septic to Sewer Conversions

## Funding Only Available to Projects Within Areas With:

- A basin management action plan (BMAP),
- alternative restoration plan adopted by final order, or
- rural area of opportunity (RAO)



# BMAP and Alternative Restoration Plans

**Alternative Restoration Plan:** A strategy developed and implemented to address water quality issues. Meant to postpone or prevent a water body from being listed on the Verified List of Impaired Water Bodies.

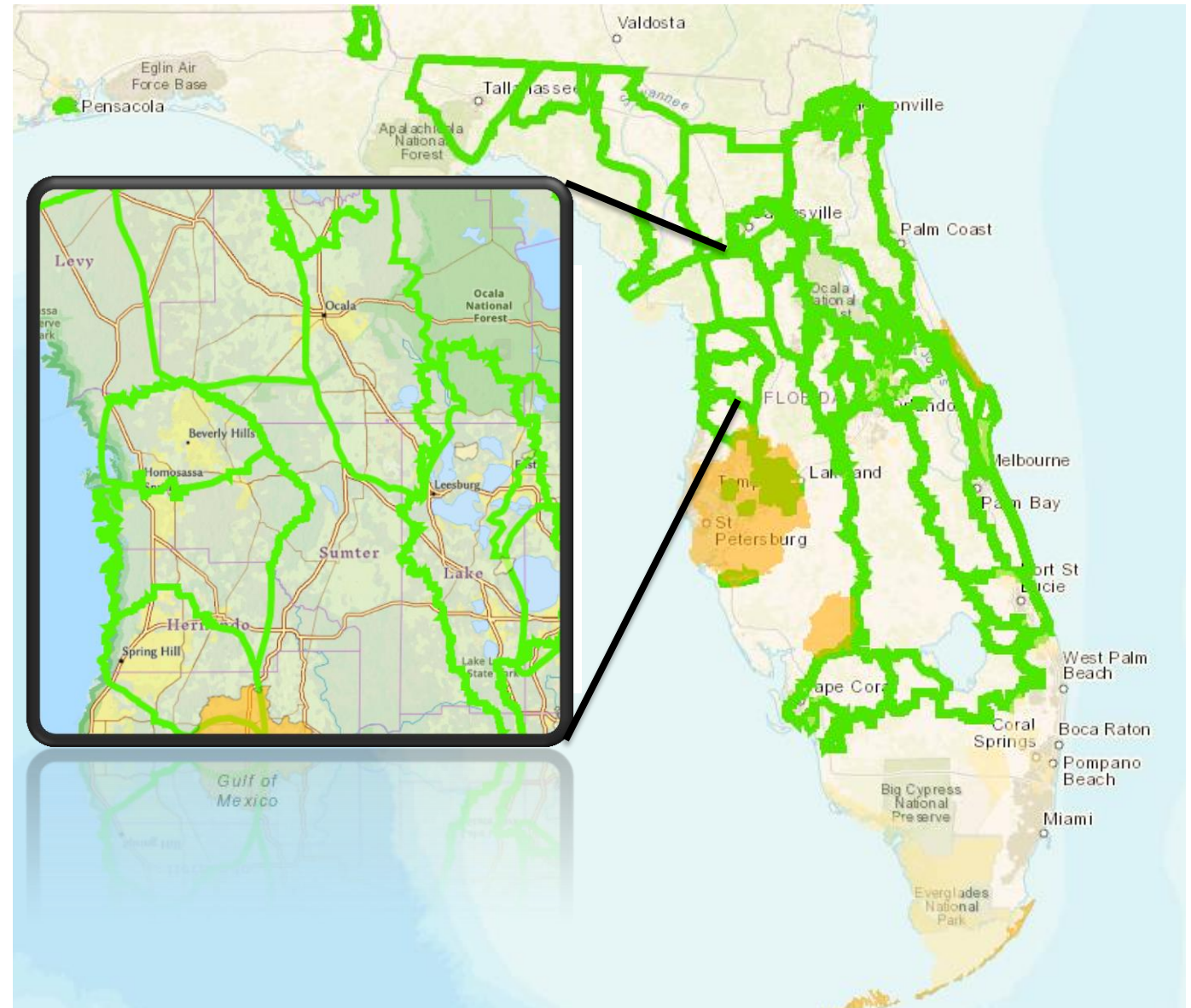
## Two types of Alternative Restoration Plans:

### 1. Reasonable Assurance Plan:

- Assessment Category 4b
- Not placed on the CWA 303(d) list

### 2. Pollutant Reduction Plan:

- Assessment Category 4e
- Placed on the CWA 303(d) list
- Bacteria Pollution Control Plans via MS4 permit



# Where the Program is Now

❌ Wastewater Grant Program

✅ Water Quality Improvement Grant

2023 Legislative Session

HB 1379

SB 1632





# Eligible Projects

---

Connecting Septic Tanks  
to Collection systems.



Upgrade  
To AWT  
Standards



*Stormwater Treatment  
Facilities*

To improvement surface water or  
groundwater quality.

**Domestic  
Wastewater**  
To improve  
ground and  
surface water

Projects identified as part of a  
*TMDL, BMAP, or  
Capital Improvement Plan*

Retrofitting  
OSTDS to  
upgrade such  
systems to  
enhanced  
nutrient-reducing



# Program Eligibilities

---





- Projects that benefit
  - **Waterbodies are not attaining nutrient-related standards**
  - **Waterbodies with TMDL**
- Projects located in an area
  - **Within a basin management action plan**
  - **Reasonable assurance plan,**
  - **Alternative restoration plan area,**
  - **or Rural area of opportunity**


# New Eligibility Criteria

## Legend

### Alternative Restoration Plans

-  Reasonable Assurance Plan - 4b
-  Pollutant Reduction Plan - 4e



### Florida Total Maximum Daily Load (TMDL)

-  TMDLs Adopted
-  TMDL Activities In Progress

### Waters Not Attaining Standards (WNAS)

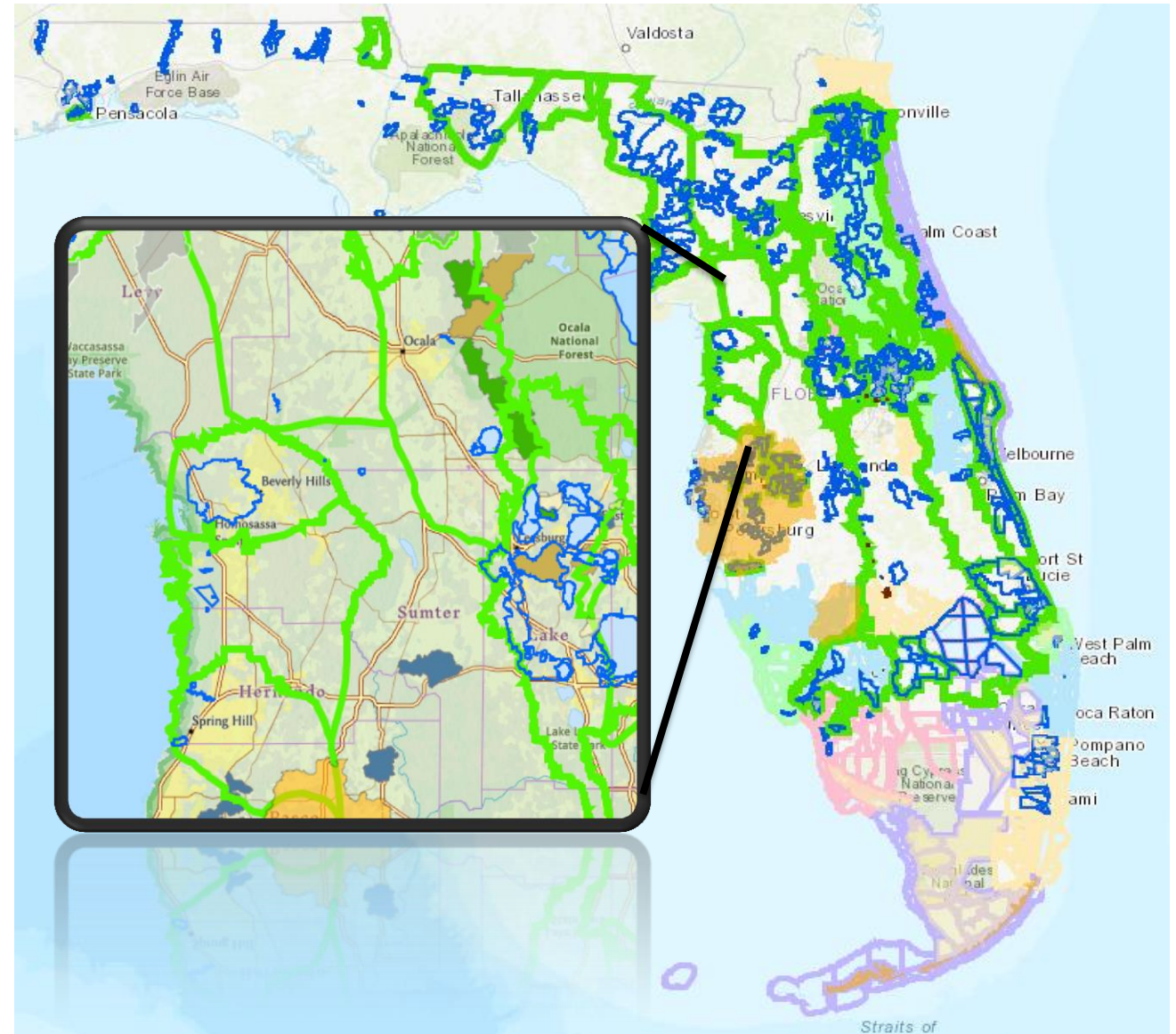


### Statewide Basin Management Action Plan (BMAP) General Areas - Statewide BMAP General Areas

-  Adopted BMAPs
-  Under Development

### Waterbody IDs (WBIDs)

-  Group 1
-  Group 2
-  Group 3
-  Group 4
-  Group 5





# Program Priorities

---

- Have the maximum estimated reduction in nutrient load per project;
- “Shovel Ready”;
- Cost-effective;
- Have a cost share identified by the applicant;
  - **50 / 50 Match**
- Previous state funded phases;
- The total amount of previous state funding;
- Are in a location where reductions are needed for water quality benefit



# Requirements

---

-  American Iron and Steel
-  Davis Bacon
-  Build America, Buy America
-  Quality Assurance Project Plan
-  Environmental Clearance



# Budget

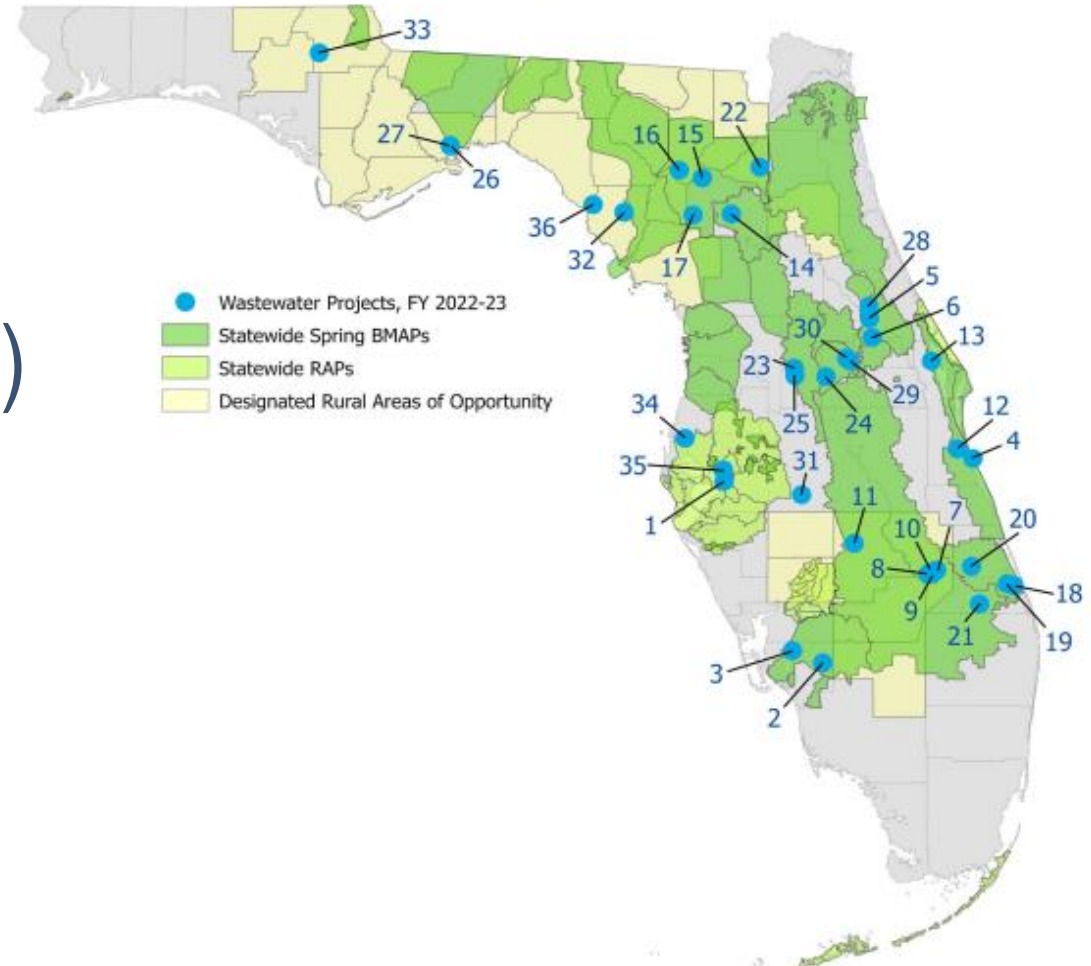
Fiscal Year 2022-23  
**\$239,236,804**

Fiscal Year 2023-24 (proposed)  
**\$390,000,000**

Increased by approximately  
**\$150,000,000**



## Wastewater Grant Program Fiscal Year 2022-23





# Funding Process

---

## Application Cycle

- Opens July 1
- Closes September 1



## Application Review

- FDEP
- Water Management District



## State Legislation

- Budget Approval



Grant Agreement /  
Work Plan



The maximum grant amount requested should be in the range of \$10M or less to remain competitive.



Applications submitted in FY 2023 will be funded using FY 2024 funds.

# Questions

---



## **Sharon Simington**

Southeast Regional Funding Lead | Hazen and Sawyer, P.C.

Phone: 813.682.1230

Cell: 941.284.3509

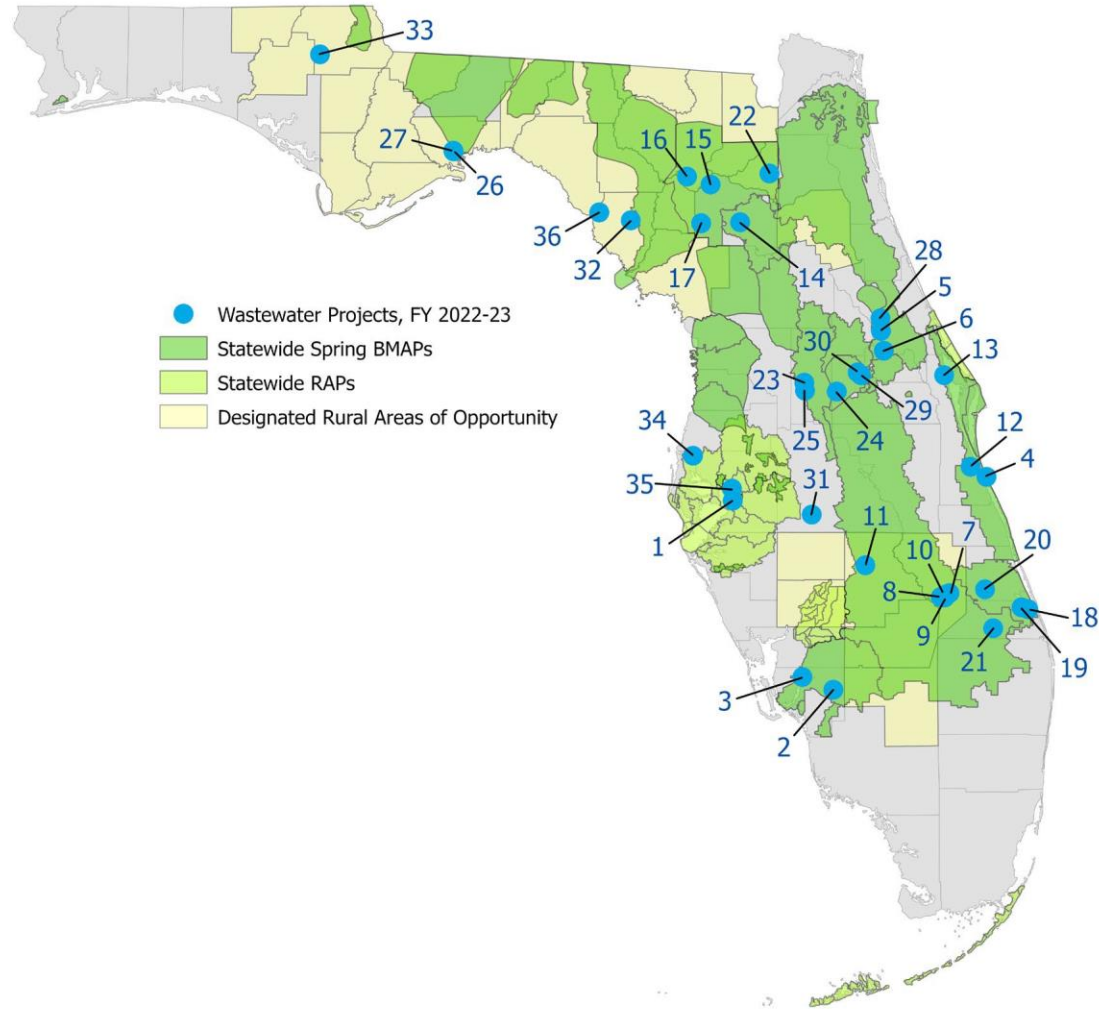
Email: [ssimington@hazenandsawyer.com](mailto:ssimington@hazenandsawyer.com)

# Hazen





## Wastewater Grant Program Fiscal Year 2022-23



## Wastewater Projects

Project Number	Partners	Project Name	Anticipated Grant Funds Needed
1	Hillsborough County	Gibsonston Septic to Sewer Phase 2	\$13,000,000
2	Florida Governmental Utility Authority	Lehigh Acres Septic to Sewer Project	\$5,000,000
3	Florida Governmental Utility Authority	North Fort Myers Septic to Sewer Project	\$5,100,000
4	Brevard County Natural Resources	The Cove at South Beaches Sanitary Sewerage Project	\$372,000
5	City of Orange City	City of Orange City Septic to Central Sewer	\$2,500,000
6	City of Sanford, FL	Sanford North WRF - BNR/AWT Improvements, Phase II	\$3,300,000
7	Okeechobee Utility Authority	Pine Ridge Park Septic to Sewer	\$1,500,000
8	Okeechobee Utility Authority	Southwest Wastewater Service Area Septic to Sewer Project	\$3,500,000
9	Okeechobee Utility Authority	Southwest 5th Avenue Septic to Sewer Project	\$2,500,000
10	Okeechobee Utility Authority	Connecting OSTDS to Central Sewer Project	\$2,500,000
11	City of Sebring	South Service Area Septic to Sewer Project	\$10,600,000
12	City of West Melbourne	Ray Bullard WRF BNR Improvements	\$1,510,000
13	Brevard County	Willow Lakes RV Resort Sanitary Sewerage Project	\$1,257,000
14	City of Gainesville, d/b/a Gainesville Regional Utilities	GRU Main Street Water Reclamation Facility (MSWRF) Enhanced Biological Nutrient Removal & Expansion Project	\$22,500,000
15	City of High Springs	Wastewater Service to I75/CR236 Interchange	\$2,484,600
16	Town of Fort White	Town of Fort White Regional Wastewater Facility - Phase II	\$4,512,639
17	City of Newberry	City of Newberry septic to central sewer	\$4,000,000
18	Martin County Utilities	Martin County Coral Gardens Vacuum Sewer Project	\$8,000,000
19	Martin County	Old Palm City Septic-to-Sewer Program	\$10,000,000
20	City of Port St. Lucie, Florida	Westport Wastewater Treatment Facility, Nutrient Reduction Improvements	\$15,000,000

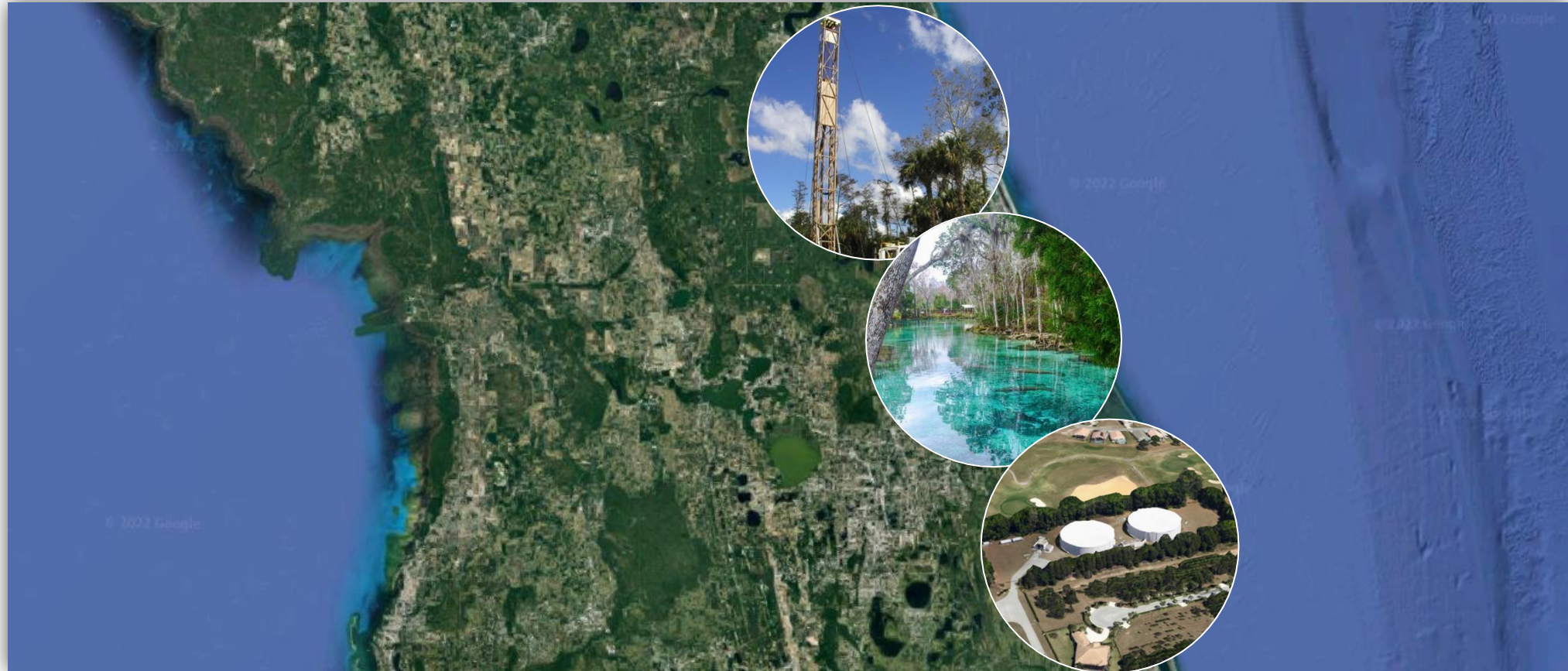


# PROTECTING TOGETHER

Project Number	Partners	Project Name	Anticipated Grant Funds Needed
21	Village of Indiantown	Indiantown Wastewater Infrastructure Improvements	\$20,000,000
22	City of Starke	Starke AWT Facility	\$2,000,000
23	City of Mascotte	City of Mascotte Wastewater Treatment Facility Phase 1 Connection and Capacity	\$5,500,000
24	Town of Oakland	Charter School and Public Safety Complex, Septic to Sewer Project	\$150,000
25	City of Groveland	City of Groveland Wastewater Improvements	\$6,500,000
26	Wakulla County Board of County Commissioners	Wakulla County - Otter Creek Wastewater Treatment System Improvements	\$6,155,960
27	Wakulla County Board of County Commissioners	Wakulla County - Otter Creek Wastewater Treatment Plant Enhancement and Redundancy	\$6,009,605
28	City of DeLand	Wiley M Nash Water Reclamation Facility	\$23,000,000
29	Seminole County Environmental Services	Wekiwa Priority Focus Area (PFA) Basin Management Action Plan (BMAP) Septic to Sewer Conversion - Phase I	\$10,250,000
30	Orange County	Wekiwa Springs Septic to Sewer Program Phase 7	\$16,000,000
31	City of Fort Meade	VFW RV Park Wastewater System	\$785,000
32	Town of Cross City	Town of Cross City; Northeast Septic to Sewer	\$4,000,000
33	Town of Alford	Alford Septic to Sewer Conversion Project	\$3,750,000
34	Pinellas County Utilities	PCU Septic-to-Sewer Conversion Project	\$10,000,000
35	Hillsborough County	Palm River Utility Expansion and Septic to Sewer Conversion	\$5,000,000
36	Big Bend Water Authority	BBWA 2021 Septic to Sewer Program Parts A and B	\$1,000,000
<b>Total:</b>			<b>\$239,236,804</b>







**WITHLACOOCHEE**  
**REGIONAL**  
**WATER**  
**SUPPLY**  
**AUTHORITY**

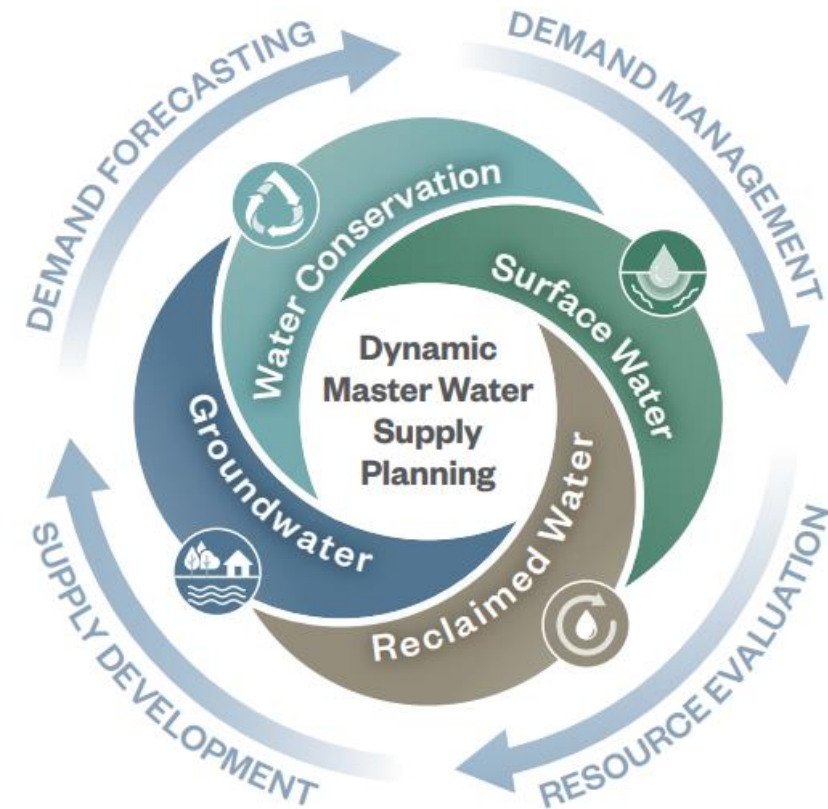
## 2024 Regional Water Supply Plan Update Status Report

September 20, 2023



# Project Goals and Objectives

- Goal
  - Assist public utilities by identifying implementable water supply options and strategies to meet future demands.
- Objectives
  - Quantify public water supply demands
  - Assess water conservation and reuse potential
  - Identify water resources availability to meet demands
  - Evaluate economic constraints
- Plan cooperatively funded by SWFWMD
  - In support of 2025 RWSP for Northern Region



# Key Project Tasks

## Population and Demand Projections

- Update water demand projections through 2045

## Water Conservation and Reuse Evaluation

- Estimate water conservation potential, reclaimed water availability and potential offsets

## Source Water Assessments

- Evaluate and identify water resources available to meet projected demands

## Water Supply and Treatment Options

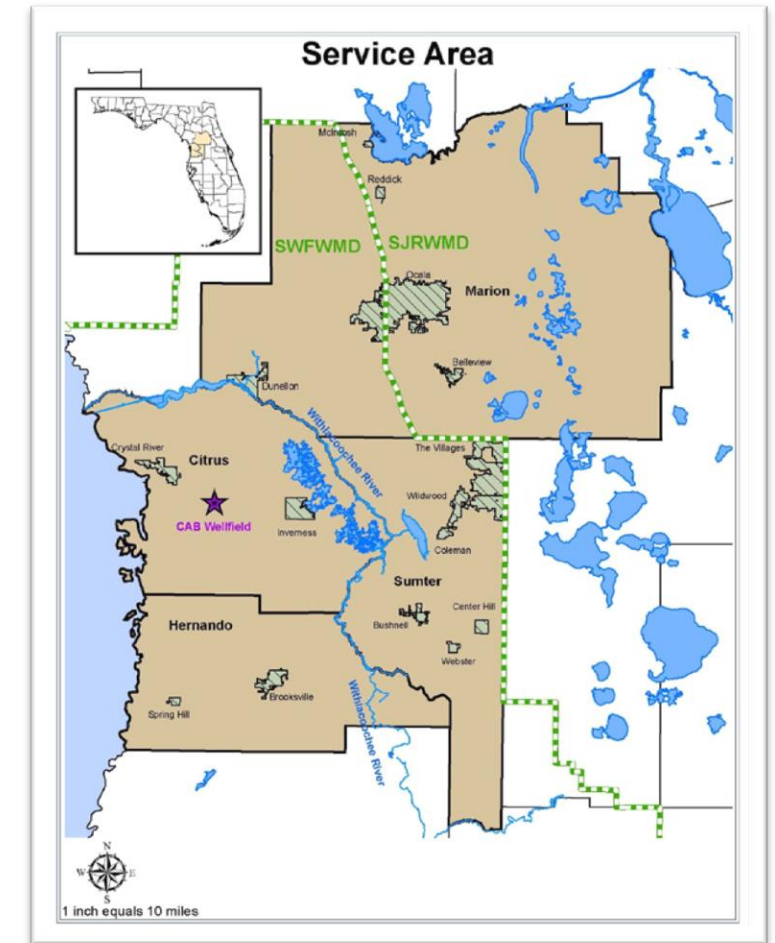
- Identify traditional and alternative water supply availability and project options

## Organization, Funding, and Governance Recommendations

- Recommend Regional Governance Framework for WRWSA

## Regional Water Supply Plan

- Provides description of technical analyses and recommendations.



# Projecting Regional Water Use

- District utility demand projections
  - Population projection x GPCD (2016-2020)
- WRWSA RWSP enhanced forecasting framework
  - Capture variability in monthly demands
  - Employ climatic data to account for variance due to weather
  - Calibrate predictions to observed base year demands
  - Project demands under assumed normal weather conditions
- Stakeholder collaboration
  - Input review (GPCD / population projections)
  - Review of existing / calibrated RWSP projections



## Water Use Sectors

Public Supply  
Agricultural  
Industrial/Commercial  
Institutional and Other  
Mining/Dewatering  
Power Generation  
Landscape/Recreation



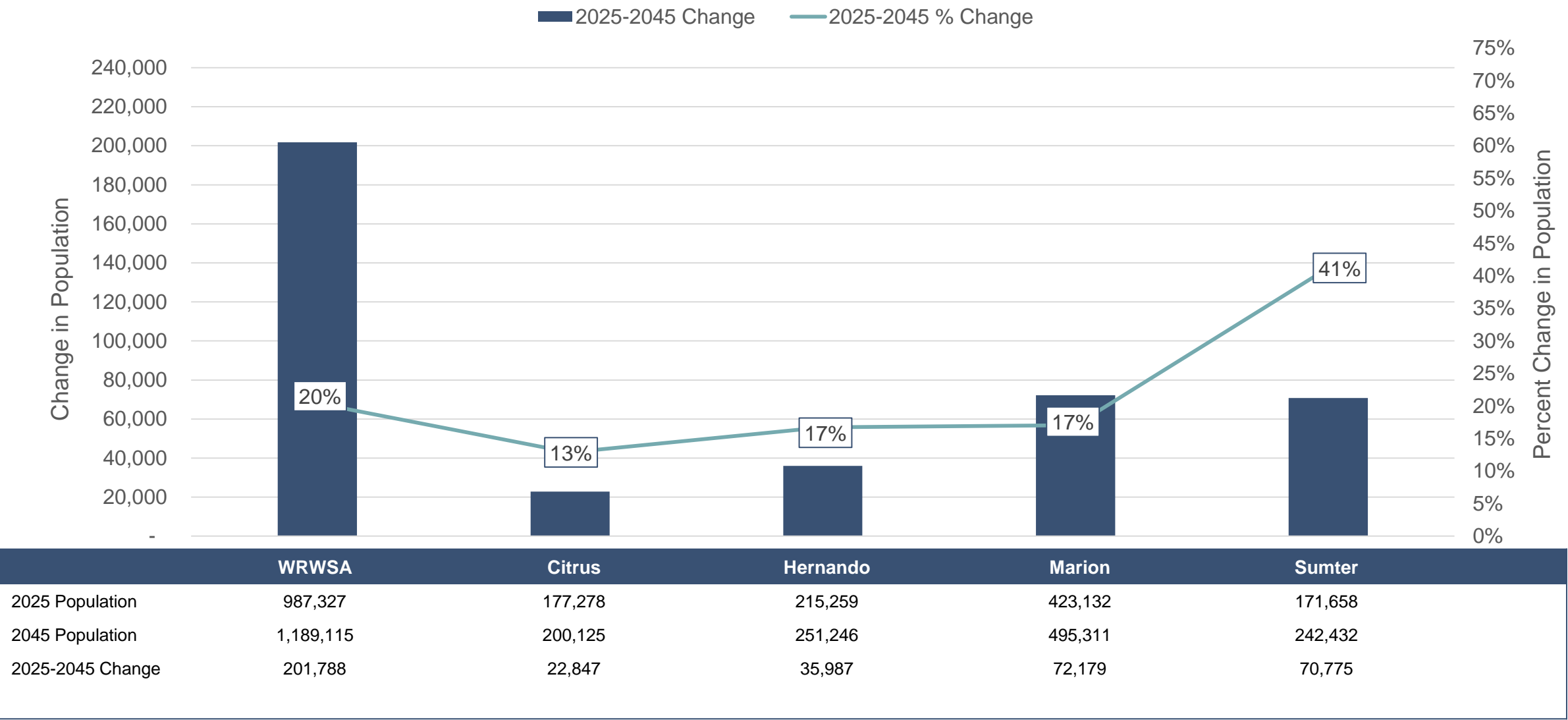
## Geographic

Utility Systems  
PRISM Climate Grids



## Time

Monthly  
Annual



Projected Population Growth by County (2025 to 2045)



# Conservation Program Elements

## Objectives

- Build on regional success
- Extend existing supplies
- Maximize water use offsets

## Planning Committee

- Citrus County
- Marion County
- Hernando County
- City of Ocala
- The Villages

### Regional Water Demand Profile

- Establish distribution of fixture age/efficiency
- Estimate baseline and future passive savings

### Identify Alternatives

- Evaluate market for conservation technologies
- Assess water savings potential

### Evaluate Alternatives

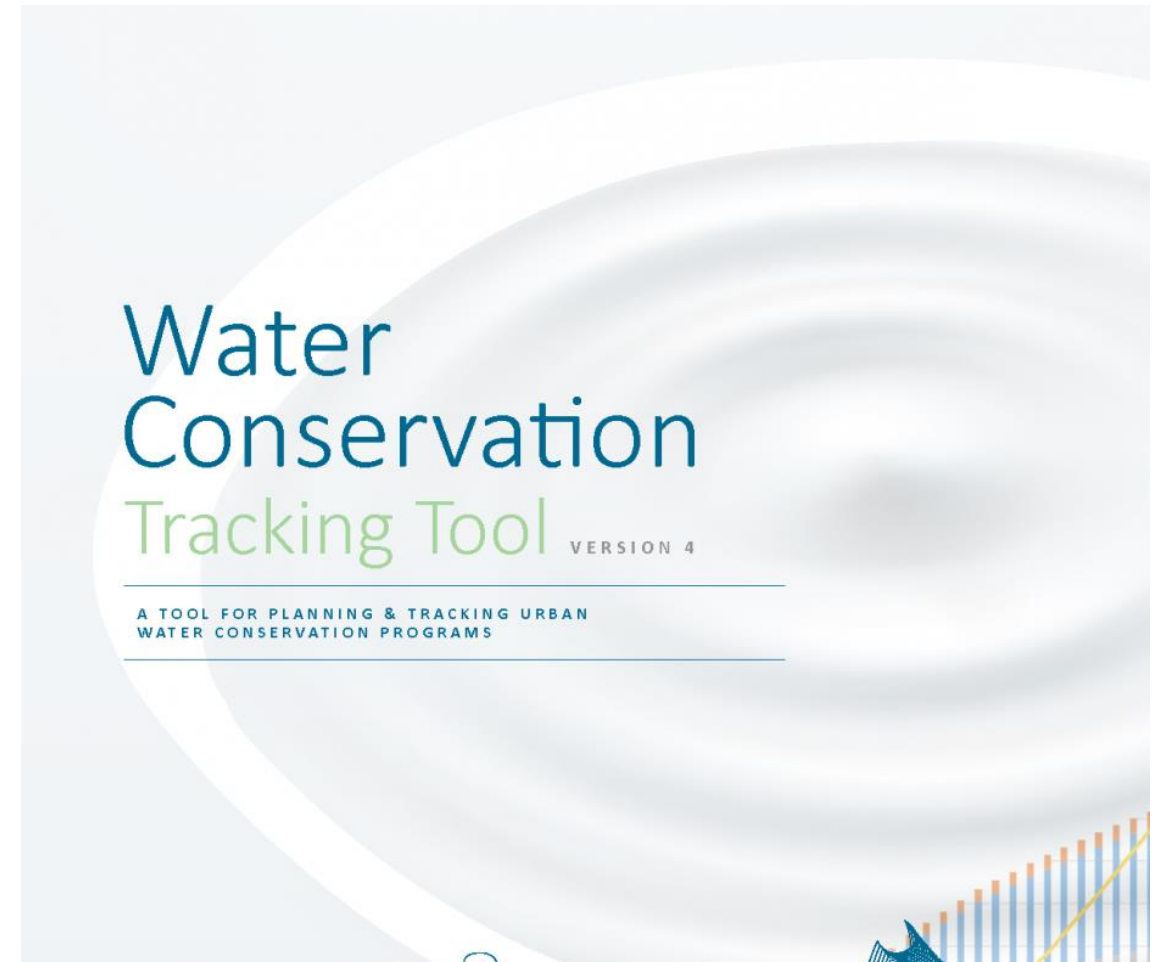
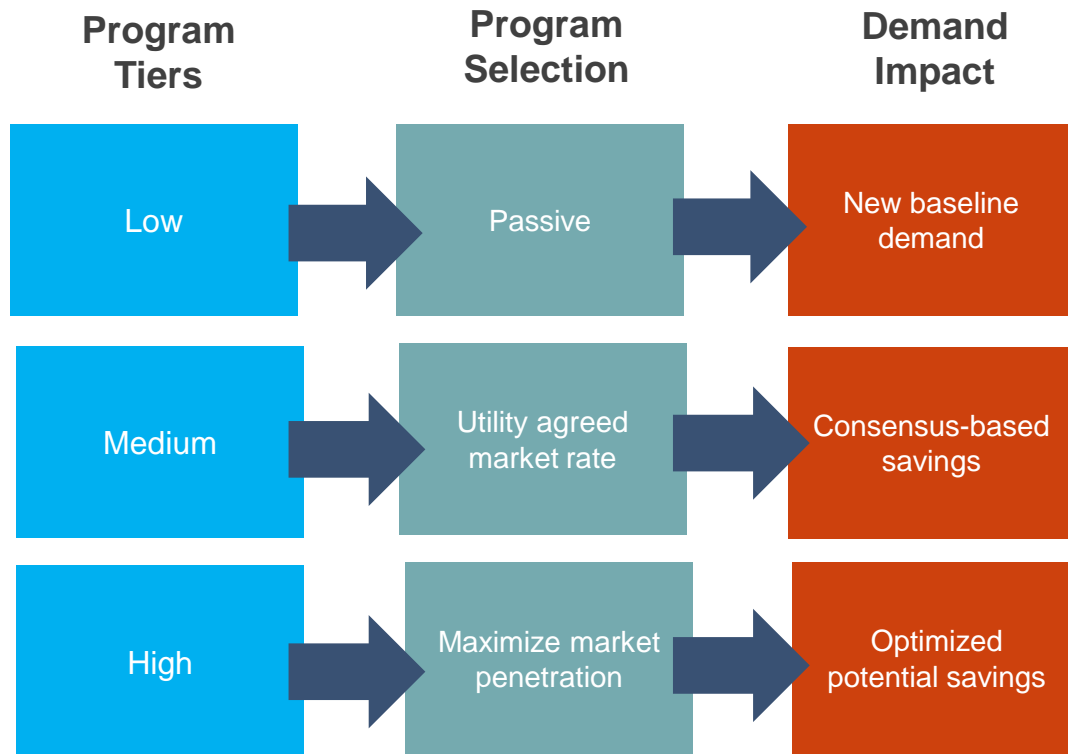
- Conduct cost-benefit analysis
- Avoided capital/operational cost

### Program Recommendations

- Rank and recommend program packages
- Based on evaluation of water savings and financial benefits

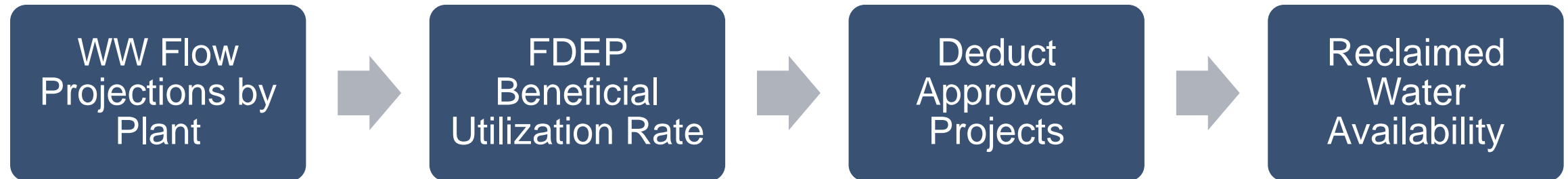


# Tailored Water Efficiency Planning



# Reclaimed Water Availability Assessment

- Availability
  - WW projections vs. established allocation
  - Per capita flow vs. FDEP utilization
  - Potable offset potential vs. excess
- Optimization
  - Estimate potable water demand reductions
  - Identify regional reclaimed / potable reuse potential



# Source Water Assessments

- Identify / rank sustainable source water options
  - Groundwater (limited)
  - Surface water and other alternative sources
- Central Springs Model
  - Formerly Northern District Model
  - Undergoing update
  - Model review October 2023
  - Anticipated completion, late 2023
- Minimum Flows and Levels
  - Used as constraint in model
  - Four pending MFLs on Withlacoochee River
  - All rescheduled for 2025/2026
    - *Need for data acquisition & model development*
    - *Meeting with District to establish assumptions*

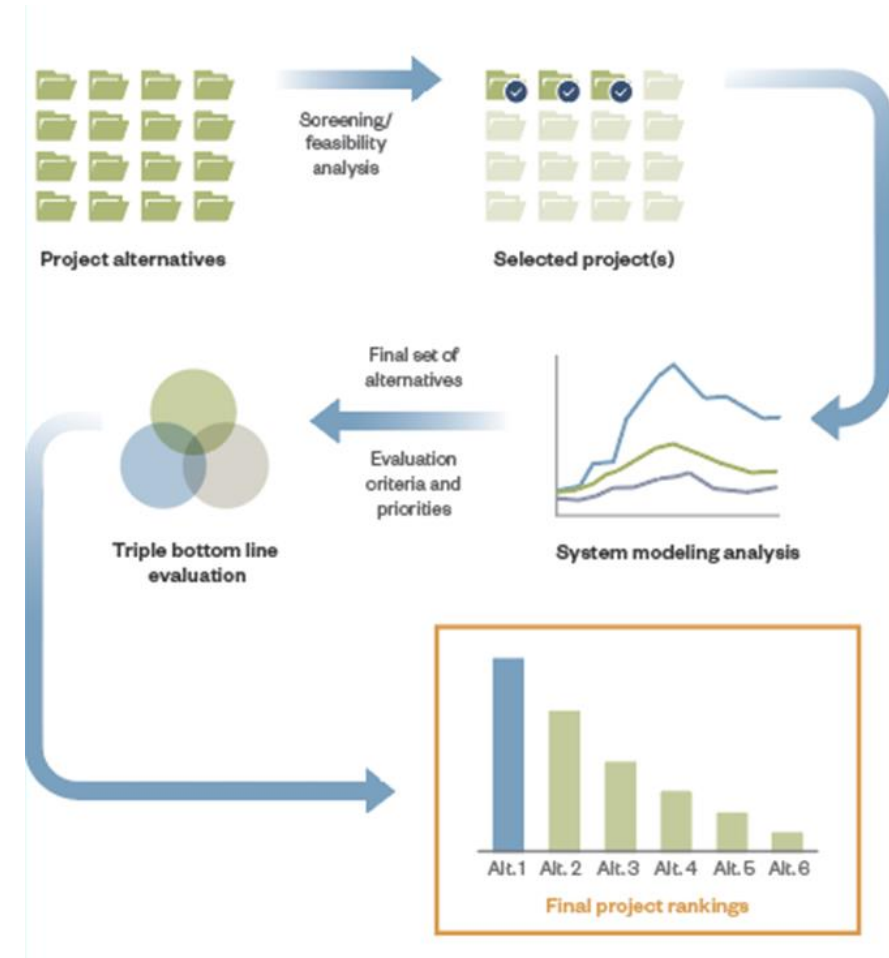
Water Bodies	Counties	Change
Withlacoochee River (upper, upstream of Croom)	Hernando/Lake/ Pasco/Polk/Sumter	From 2024 To 2025
Withlacoochee River (upper, Croom to Wysong)	Citrus/Hernando/ Sumter	
Withlacoochee River (upper, Wysong to Holder)	Citrus/Marion/ Sumter	
Withlacoochee River (lower)	Citrus/Levy	From 2024 To 2026





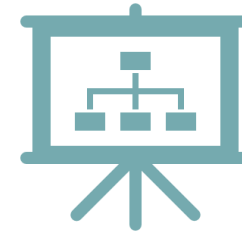
# Water Supply and Treatment Project Options

- Identify, evaluate, rank and fully formulate supply options
  - Groundwater
  - Surface Water
  - Water Conservation
  - Reclaimed Water
  - Potable reuse
- Application of decision-making criteria and weights
  - Screen and assess feasibility
    - *Implementation likelihood*
    - *Fixed and variable costs*
- Describe projects w/highest likelihood of implementation
  - Major infrastructure (treatment, conveyance)
  - Potential project participants
  - Conceptual cost impacts
  - Potential environmental impacts
  - Project uncertainty



# Regional Partnership Opportunities

- Assess benefits of system-wide economies of scale
  - Enhance resource allocation across regional partners
  - Deliver consistent or enhanced levels of service and value
- Identify regional implementation strategies
  - Interlocal agreement
  - Allocation of capacity
  - Staffing requirements
- Financial requirements
  - Cost-sharing opportunities
  - Distribution of costs / revenues
  - Financial reserves



Organization



Governance



Funding

## Next Steps

- Finalize Water Demand Projections
- Finalize Water Conservation Plan / Reuse Assessment
- Conduct Water Sources Evaluation
- Next board update – Jan. 2024

# Thank you! Questions?

Lisa R. Krentz

Senior Associate | Hazen and Sawyer

813-549-2120

[lkrentz@hazenandsawyer.com](mailto:lkrentz@hazenandsawyer.com)