

Central Florida Water Initiative



AGENDA PACKAGE

May 29, 2020

9:00 am

1. Welcome and electronic forum coordination
 - ❖ Presented by Kristine Morris, FDEP, Facilitator
2. Approval of Amendments to Team Membership *[action item]*
 - ❖ Presented by Kristine Morris, FDEP, Facilitator
3. Regulatory Update
 - ❖ Presented by Christina Coger, FDEP
4. 2019 Alternative Water Supply Project Highlights
 - ❖ Presented by Lori Burklew, SJRWMD; Joe Quinn, SWFWMD; Stacey Adams, SFWMD
5. 2020 Water Conservation Project Applications *[action item]*
 - ❖ Presented by Stacey Adams, SFWMD
6. Alternative Water Supply Funding
 - ❖ Presented by Ed Smith, FDEP
7. Update on the 2020 Regional Water Supply Plan
 - ❖ Presented by Tammy Bader, SJRWMD
8. Public Comment
9. Adjourn

Team Membership

MOC	
Representative	Member
SJRWMD	Ann Shortelle, Chair
Public Water Supply	Teresa Remudo-Fries, OCU
Environmental	Beth Lewis, Nature Conservancy
SWFWMD	Brian Starford
SFWMD	Mark Elsner
FDACS	Angela Chelette
FDEP	Edward Smith
Agriculture	Kerry Kates

Regional Water Supply Plan Team				
Representative	Member	Alternate	Technical Participant / Support	
Public Supply Utility				
Altamonte	Ed Torres			
Clermont	James Kinzler			
Orlando Utility Commission	Christine Russell			
Sanford	Bill Marcous	Mack McKinley		
Seminole County	Terry McCue			
Minneola	Robert Holland			Sarah Whitaker
STOPR	St. Cloud			
	TOHO Water Authority	Todd Swingle	Robert Pelham	Al Aikens
	Orange County	Teresa Remudo-Fries	Christine Doan	Rob Denis
	Polk County	Krystal Azzarella		
	Reedy Creek Improvement District	Jason Herrick		
Utilities, Inc.	Bryan Gongre			
Water Management Districts				
SFWMD	Mark Elsner	Tom Colios Kris Esterson		
SWFWMD	Brian Starford Joe Quinn Robyn Felix	Ryan Pearson Jay Hoecker		Darrin Herbst Lisann Morris
SJRWMD	Tammy Bader-Gibbs, Lead	Claire Muirhead Mike Register		Jacy Crosby Susan Davis James Hollingshead Nancy Rubin
State of Florida				
FDEP	Christina Coger	Morgan Westberry		Pam Flores
FDACS	Kathleen Greenwood Angela Chelette	Maddy Hart		Rebecca Elliott
Others				
Nature Conservancy	Janet Llewellyn			
Landscape/Irrigation	Ron Newberg			
Power Generation	Ilia Balcom			
Deseret	Kent Jorgensen	Daniel Rutland		Eric Olsen
Florida Farm Bureau	Charles Shinn			

Conservation	
Representative	Member
FDEP	Morgan Westberry, Lead
Agriculture	Billy Kempfer Larry Walters
Public Water	Christine Russell, OUC Mike Sweeney, TOHO
Large Self Supply	Dee Allen, Mosaic
Environmental	Chris Farrell, Audubon
Business	
SJRWMD	Lori Burklew
SFWMD	Jim Harmon Robert Wanvestraut
SWFWMD	Josh Madden
FDACS	Kathleen Greenwood

Regulatory Team	
Representative	Member
SFWMD	Simon Sunderland
SJRWMD	Jeff Prather Rich Burklew
SWFWMD	Michelle Hopkins Darrin Herbst, Alternate
FDEP	Christina Coger, Lead Stefani Weeks, Alternate
FDACS	Angela Chelette Kathleen Greenwood, Alternate
Environmental Community	Janet Llewellyn
Public Water Supply Utilities	Krystal Azzarella, PCU Chris Russell, OUC
Industrial/ Commercial/ Institutional Self-Supply	Dee Allen, Mosaic
Agriculture	Charles Shinn, Farm Bureau Kent Jorgensen, Deseret
Legal Counsel	Joan Matthews, FDACS Steven Hall, FDACS Eric Olsen, I/C/I Mary Ellen Winkler, SJRWMD Mike Bray, SWFWMD Jennifer Brown, SFWMD Ed de la Parte, Public Water Supply Silvia Alderman, Public Water Supply

Water Resource Assessment Team	
Representative	Member
Utility	
Orange County Utilities	Teresa Remudo-Fries
Orlando Utilities Commission	Chris Russell, Alternate
Water Management Districts	
SFWMD	Peter Kwiatkowski
SWFWMD	Brian Starford, Lead
SJRWMD	Claire Muirhead Mike Register, Alternate
State of Florida	
DEP	Pam Flores
FDACS	Kathleen Greenwood
Others	
Business	Michael Minton
Environment	

Communication & Outreach	
Representative	Member
SWFWMD	Cindy Rodriguez Robyn Felix, Lead
DEP	TBD
SJRWMD	Nancy Rubin
SFWMD	Bill Graf Jan Loftin
FDACS	TBD

Alternative Water Supply Projects

Southwest Florida Water Management District

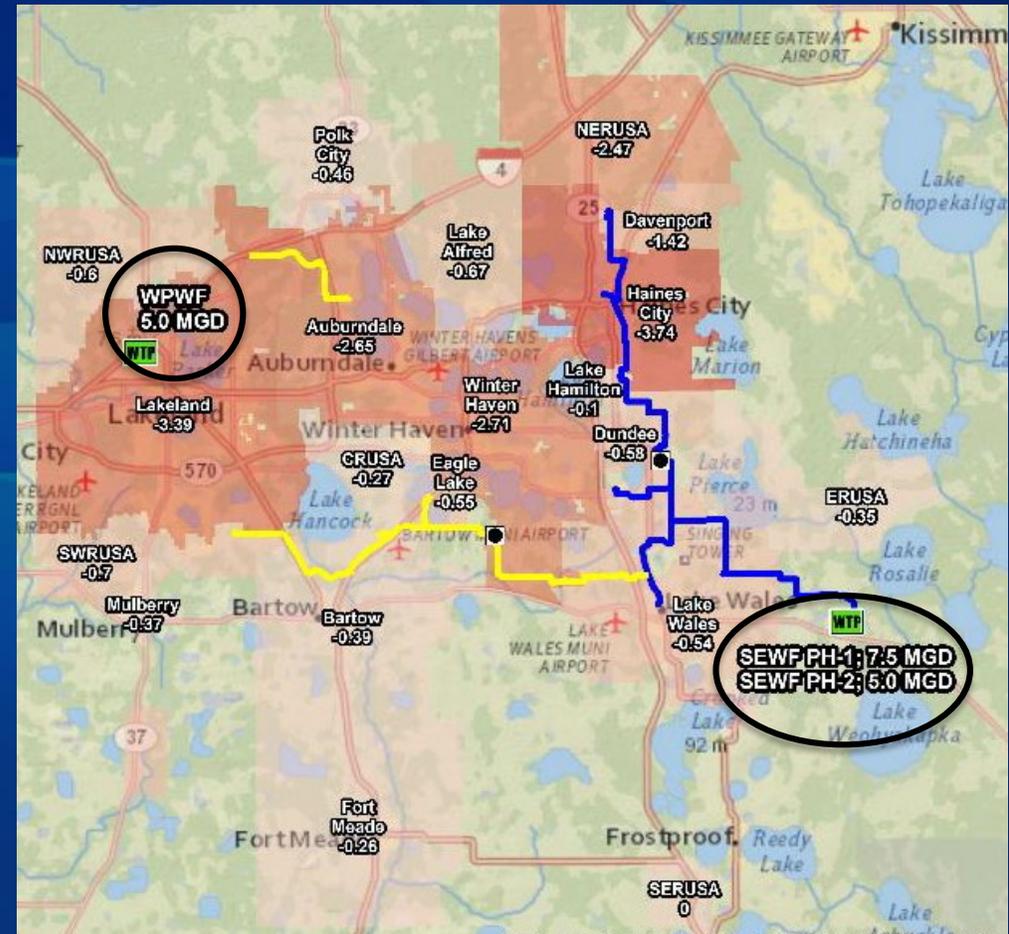


CFWI Steering Committee
May 29, 2020

Joseph Quinn, AICP
Senior Project Manager
Water Resources Bureau
Southwest Florida Water Management District

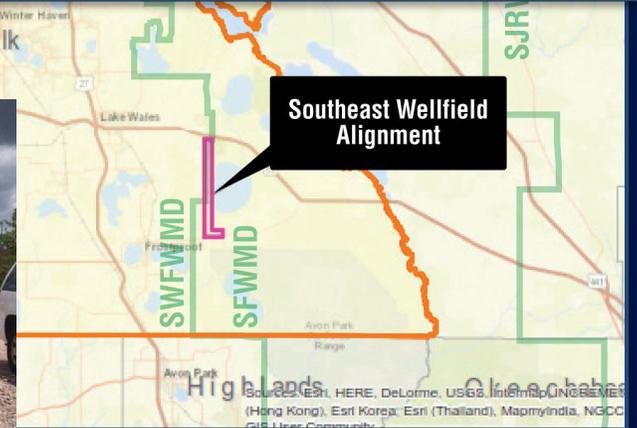
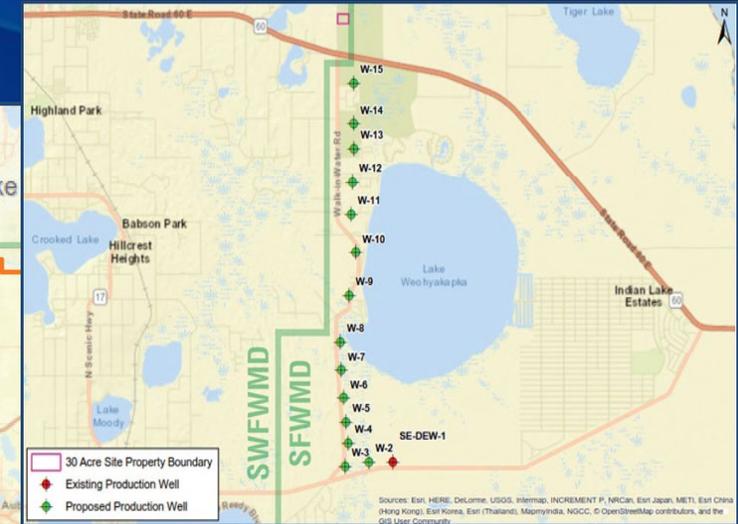
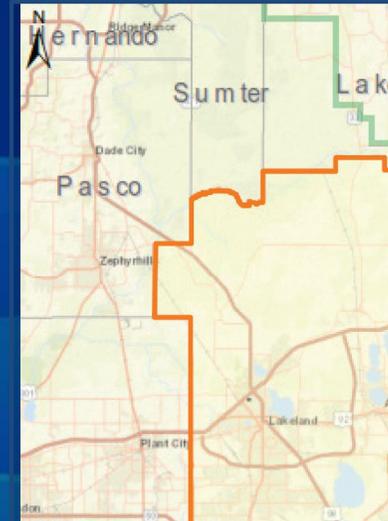
Polk Regional Water Cooperative – Alternative Water Supply Projects

- Adopted resolutions designating \$65 million for AWS projects with the Polk Regional Water Cooperative (PRWC)
- Two Lower Floridan aquifer (LFA) brackish groundwater projects currently under development by the PRWC

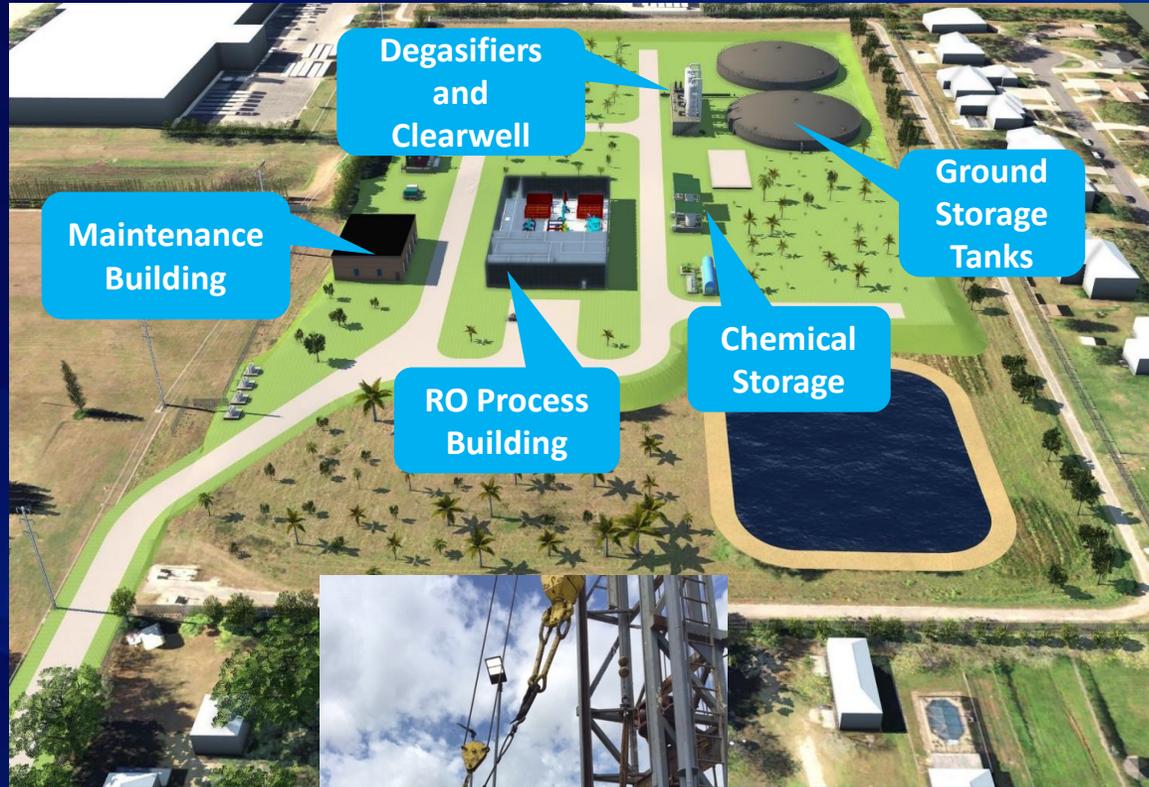


Polk Regional Water Cooperative - Southeast Wellfield

- Project Scope: 30 mgd LFA wellfield, water treatment facility and transmission system
- Total Cost: \$446 million
- Status: Preliminary design underway
- Development of first two phases by 2027, 12.5 mgd capacity



Polk Regional Water Cooperative - West Polk Wellfield



- Project Scope: 15 mgd LFA wellfield, water treatment facility and transmission system
- Total Cost: \$204 million
- Status: Conceptual design underway
- Development of first phase by 2027, 5 mgd capacity



Alternative Water Supply Projects

South Florida Water Management District

CFWI Steering Committee
May 29, 2020

Stacey Adams
Water Supply Bureau
South Florida Water Management District

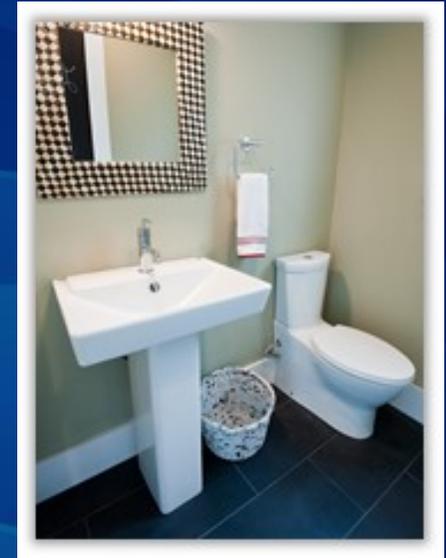


St. Cloud

Toilet Rebate Program



- Total Cost: \$45,006
- SFWMD Cost Share: \$22,503
- Complete
- Estimated Water Savings: 3.42 mgy



Central Florida Water Initiative

Water for Tomorrow



Lori Burklew, P.G.

Bureau of Water Supply Planning

SJRWMD

Cherrylake Tree Farm

Pressure Regulation - Climate Sensor Technology

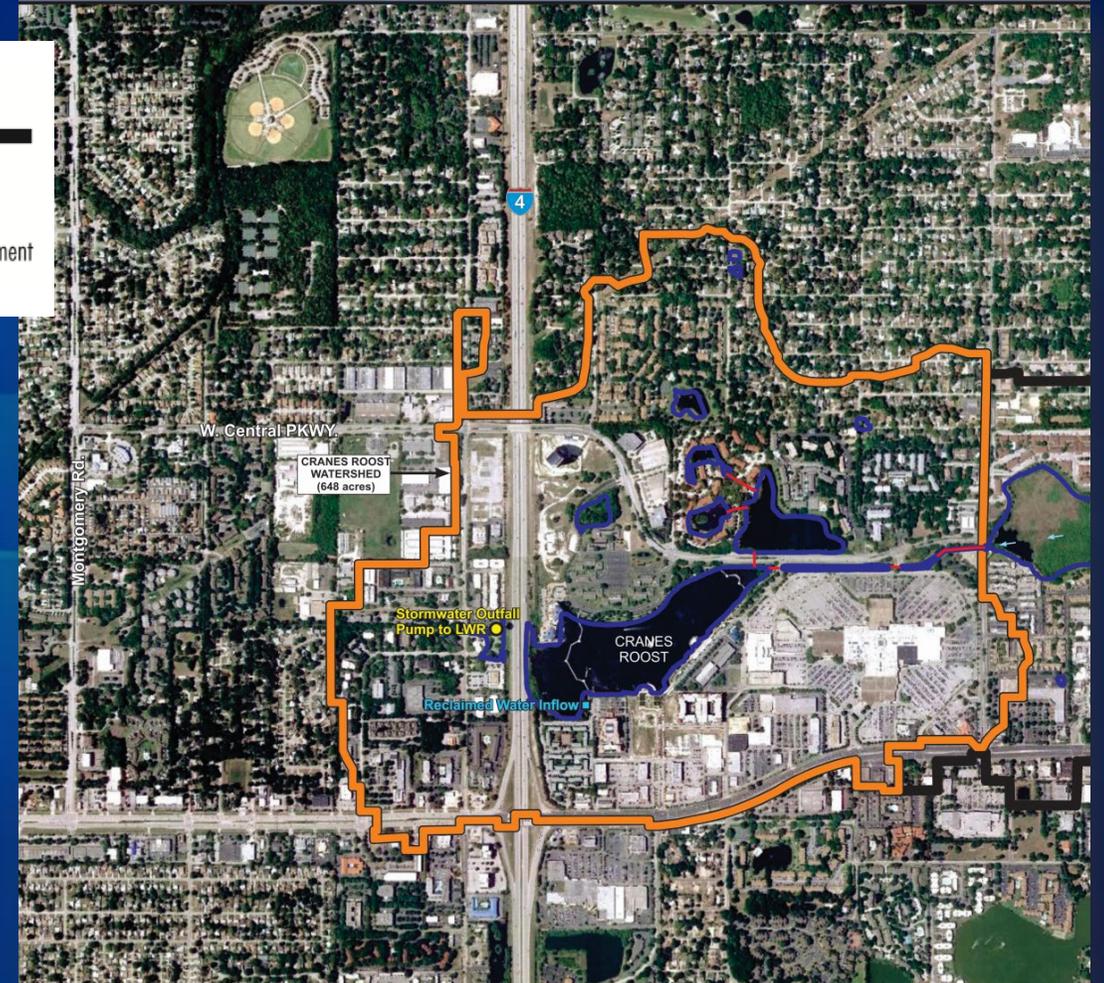
- Total Cost: \$124,779
- SJRWMD Cost Share: \$93,584
- Water Saved: 0.275 mgd
- Complete



Altamonte Springs-FDOT Integrated Reuse and Stormwater Treatment - AFIRST



- Total Cost: \$11.5 M
- SJRWMD Cost Share: \$3.5 M
- Complete
- Water Supplied: 4.5 mgd



Altamonte Springs

Regional Water Reclamation Facility – Phase II



- Total Cost: \$ 3.0 M
- DEP Cost Share: \$ 1.5 M
- SJRWMD Match: \$ 0.23 M
- Water Supplied: 3.5 mgd
- In progress

Questions



Central Florida Water Initiative

Agenda Item 5

Water for Tomorrow

**Water Conservation Projects
Steering Committee Meeting
May 29, 2020**

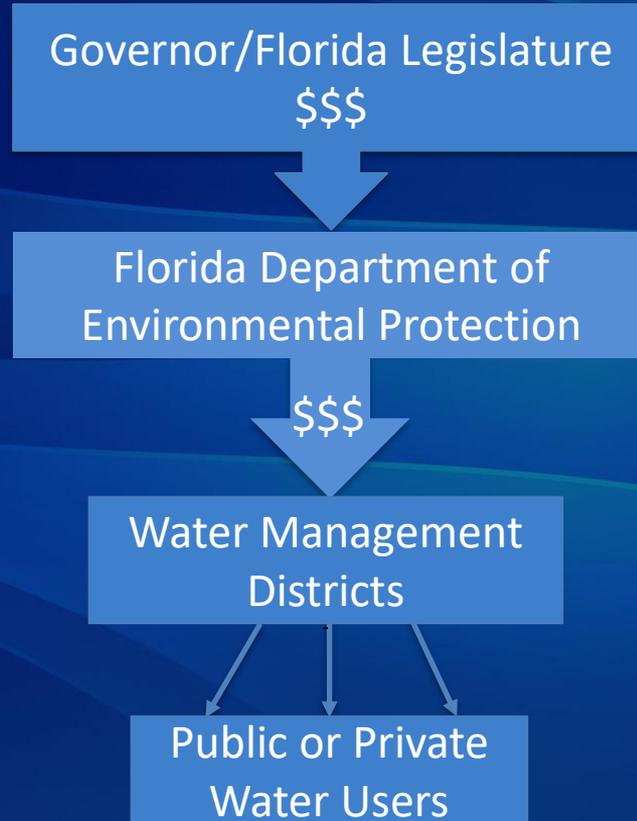
Stacey Adams

Senior Project Manager

South Florida Water Management District



Alternative Water Supplies Program



CFWI Water Conservation Process

- FDEP authorized unallocated funding under an SFWMD contract to be developed into a joint CFWI WC Program
- January – FDEP and Districts met to formulate a plan
- February 17 – Application released
- March 27 – Application period closed
- April – Internal review team
- May – Management review and Steering Committee approval
- June – Governing Board approval, if applicable
- July – Execute agreements



General Project Requirements

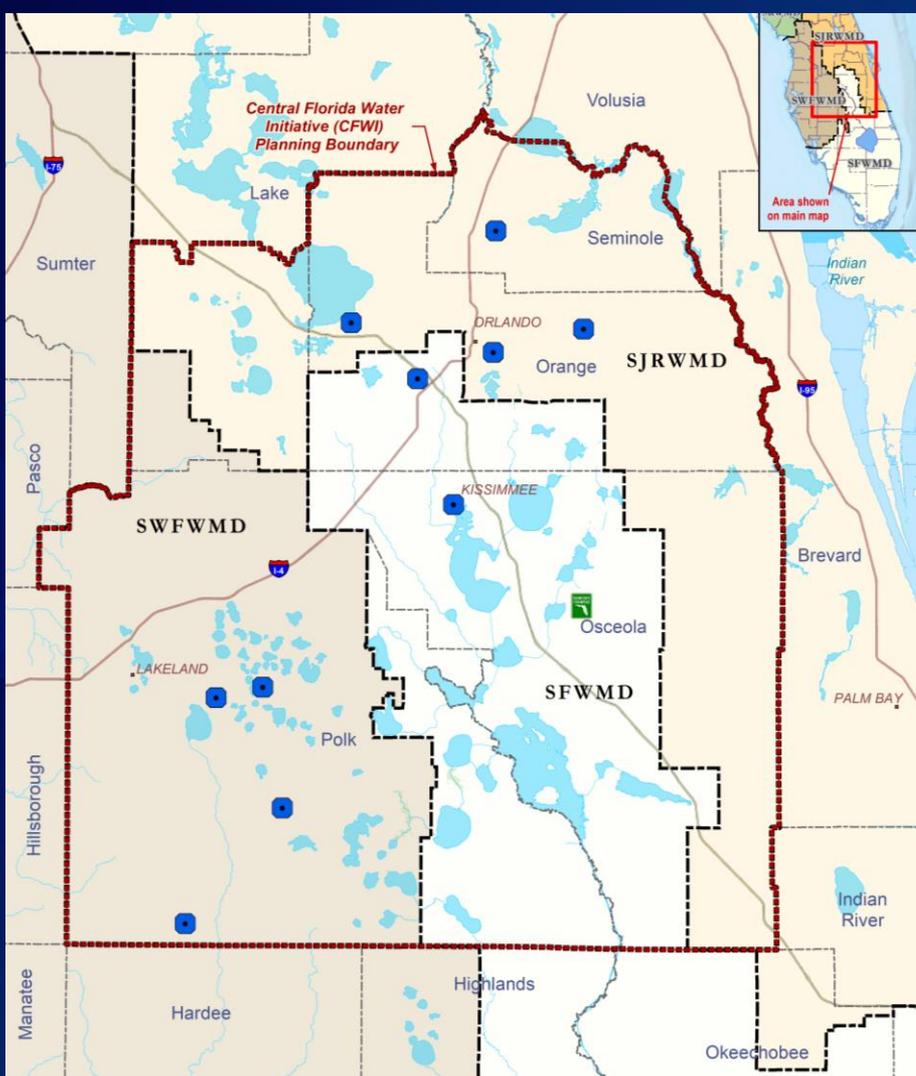
- Project located within the CFWI Planning Area
- Applicants must be able to fully fund the project as this is a reimbursement program
- Total project costs must be at least \$15,000 for water supply utilities, municipalities, or government agencies
- Costs related to project implementation
- Eligible expenditures incurred between July 1, 2020 and November 30, 2022



Review Considerations

- Quantity of water saved
- Cost-effectiveness of project in dollars per 1,000 gallons (\$/kgal) of water saved
- Quality and detail of project planning
- Project readiness
- Environmental/community benefits
- Water source
- Past performance





Location of Water Conservation Project Applications



Applications Received

County	No. of Applications	No. of Recommended Applications	Total Proposed Funding
Polk	4	2	\$151,758
Orange	4	2	\$60,738
Osceola	1	1	\$75,005
Seminole	1	0	\$0
TOTAL	10	5	\$287,500



Proposed Funding

Order	Cooperating Entity	Project Name	County	District	Estimated Water Savings (MGY)	Total Project Cost	Steering Committee Proposed Funding
1	Orlando Utilities Commission	HET and Irrigation Controller Rebates	Orange	SJRWMD	8.60	\$67,175	\$33,588
2	Toho Water Authority	Irrigation Conversion and Retrofit Project	Osceola	SFWMD	16.43	\$150,009	\$75,005
3	Orange County Utilities	Water Wise Neighbor Smart Irrigation for New Construction	Orange	SJRWMD	3.95	\$54,300	\$27,150
4	Polk Regional Water Cooperative	HET and Irrigation Controller Rebates	Polk	SWFWMD	8.50	\$168,715	\$84,358
5	Ray Bob Grove, Inc.	Ag Irrigation System Improvements Project (149 acres)	Polk	SWFWMD	9.58	\$171,808	\$67,400
					47.05	\$612,007	\$287,500
6	Longwood, City of	Water Conservation Software Technology Project - AMI Meter Installation	Seminole	SJRWMD	5.52	\$1,271,721	\$0
7	Winter Garden, City of	Water Conservation Software Technology Project - Customer Portal	Orange	SJRWMD	1.60	\$54,875	\$0
8	Winter Haven, City of	Water Conservation Software Technology Project - AMI	Polk	SWFWMD	185.60	\$3,242,374	\$0
9	Mosaic Fertilizer, Inc.	Pipeline Conversion Project	Polk	SWFWMD	4.40	\$163,272	\$0
10	Lake Cane Restoration Society	Lake Cane Volume of Groundwater Seepage Study	Orange	SFWMD	0.00	\$22,000	\$0
		Subtotal not recommended for funding			197.12	\$4,754,242	\$0
		GRAND TOTAL (all projects)			244.18	\$5,366,249	\$287,500
MGY = million gallons per year							



Action Item

- Request approval of the proposed projects and funding for submission to FDEP.



Central Florida Water Initiative

Water for Tomorrow

Agenda Item 6

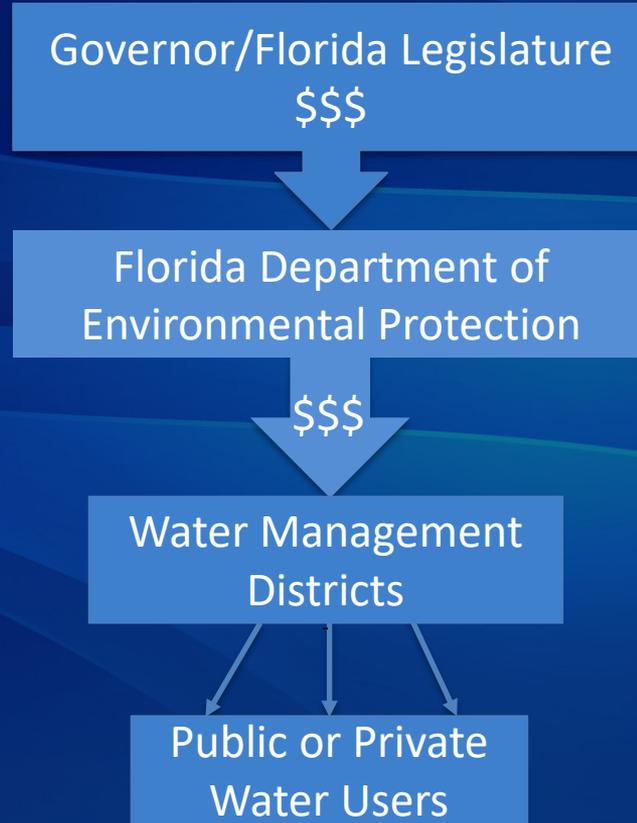
Alternative Water Supply Funding Steering Committee Meeting May 29, 2020

Edward Smith

Director, Office of Water Policy and Ecosystems Restoration
Florida Department of Environmental Protection



Alternative Water Supplies Program



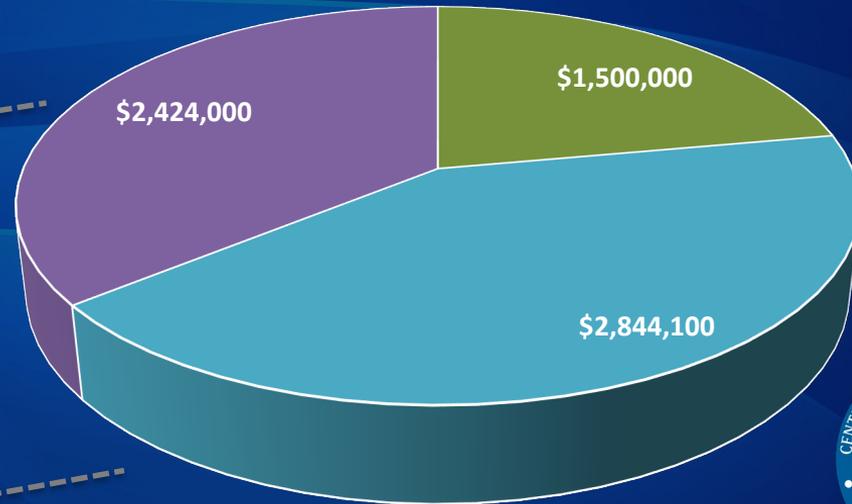
Alternative Water Supplies Program

In FY2019-2020, \$40 Million was provided to implement Alternative Water Supply Projects, roughly **20%** of the allocated funding is dedicated to CFWI Projects

State Funding Awarded



CFWI Projects

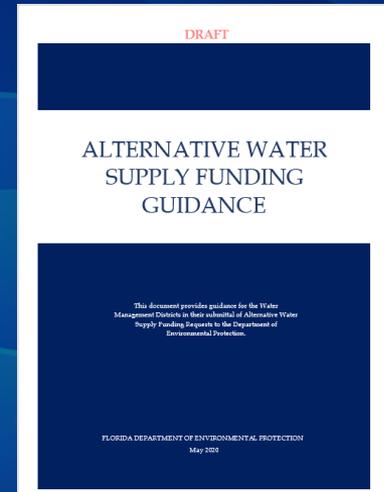


■ NFWMD ■ SRWMD ■ SJRWMD ■ SWFWMD ■ SFWMDD†

AWS Guidance

To assist Districts and local cooperators, the Department has drafted a Guidance document that streamlines the process, including:

- The Eligibility Requirements;
- The Submittal Process; and,
- The Evaluation Criteria



Once finalized, the Guidance document will be available on the Department's website



Solicitation Portal

New to this year is the Grant Information Portal

- One location for information about water-related grants
- An easy way to submit project ideas for consideration under multiple funding programs
- Anticipate announcing the Portal mid to late summer, 2020

