

Florida Rural Water Association

# ANNUAL CONFERENCE

August 8-10

# 2022

Daytona Beach Hilton



**Over 65 Topics to  
Choose From**



**Guest Speaker  
Andy Masters**



**Sold out  
Exhibit Hall**

## PLEASE SUPPORT OUR SPONSORS

<b>NAYLOR</b> ASSOCIATION SOLUTIONS Devoted to building stronger associations NECKWALLETS	 <b>Pace Analytical</b> 403	 <b>Sensible MUNICIPAL</b> WATER SYSTEMS 410	 <b>U.S. Water</b> Services Corporation 901	 <b>WASCON</b> SALES and SERVICE 501			
<b>BLACK MOUNTAIN SOFTWARE</b> 600	<b>BLUE PLANET</b> 701/800	<b>MEAD AND HUNT</b>	<b>MWI PUMP</b> 405	<b>NATIONAL METERING SERVICES</b> 512	<b>VEGA AMERICAS</b> 200	<b>Water Works Inc</b> 603	
<b>American Tank</b> 502	<b>CARLISLE BUSINESS</b> 507	<b>DATA FLOW</b> 413	<b>FLOVAC</b> 303	<b>HYDRA SERVICE</b> 301/400	<b>GENERAL CONTROL SYSTEMS</b> 509	<b>SOUTHERN CORROSION</b> 203/302	<b>PRIME SOLUTION</b> 513
					<b>HARMSCO FILTRATION</b> 408		<b>STSCADA BY TRIHEDRAL</b>



# WELCOME

## 2022 FRWA Annual Conference

Thank you for joining us as we gather to celebrate Rural Water. We hope you enjoy the Conference and return home with a wealth of knowledge!

From the tee off at the Paul Brayton Golf Tournament until the last piece of FRWA equipment is loaded, you are in for three days that you will never forget! With over sixty-five topics to choose from, something is sure to spark your interest so keep your agenda handy! Just look on the back of the agenda to quickly find where your next class will be.

Visit our Exhibit Hall to catch up on the latest the industry has to offer as you meet old friends and make new ones. As always, there will be plenty of food to go around! Who knows? Maybe you will win the grand prize in this year's Raffle or take home a door prize when Ben spins the wheel! You may win a chance for your water to be named the "Best Tasting Water in Florida" (Don't forget to bring your sample by the Registration Desk by 2:00 pm on Tuesday!)

When you registered you received your name tag and a bag filled with items to make your time at the beach more enjoyable.

Please look behind your name tag for tickets you will need for the Conference. Be sure to keep your name tag with you at all times.

- **White ticket with your name printed on it.** Drop this ticket in the Door Prize Drawing box to be entered in the drawings taking place throughout the Conference.
- **Green and Orange** tickets are for the Exhibitor Social taking place on Tuesday evening at 5:45 pm. Be sure to stop by and have a drink on them!
- **Blue ticket is** for the luncheon buffet on Tuesday at 11:45 am.

So let's get it started!!!

# TENTATIVE AGENDA

## MONDAY, AUGUST 8, 2022

- 9:00 am-7:30 pm EXHIBITOR SET UP
- 10:30 am-4:00 pm PAUL BRAYTON GOLF TOURNAMENT
- 10:00 am-4:30 pm ATTENDEE REGISTRATION BOOTH OPEN

### PRE-CONFERENCE SESSIONS

#### DRINKING WATER TRACK/Halifax/0.5 DW and DS CEUs/5.0 PDHs

- 12:30 pm-1:30 pm Impact of Customer Water Leaks and the Solutions in the Marketplace/Jenna Hazelet, HomeServe USA
- 1:30 pm-2:30 pm Best Practices of Unidirectional Flushing/Brad Gresham, Wachs Water Services
- 2:30 pm-3:30 pm Future Well Locations and Tools Used to Determine/Stan Epperly and John Radtke, FRWA
- 3:30 pm-4:30 pm Source Water/Groundwater Protection/Jim Cagno and Ben Lewis, FRWA
- 4:30 pm-5:30 pm Wellhead Sanitation/Stan Epperly and KC Bell, FRWA

#### DRINKING WATER/WASTEWATER TRACK/St. Johns/0.5 DW, DS, and WW CEUs/5.0 PDHs

- 12:30 pm-1:30 pm Trench Safety/Doug Riseden, FRWA
- 1:30 pm-2:30 pm Buy American/Build American/Rick Herndon, FRWA/Michael Chase, FDEP
- 2:30 pm-3:30 pm Mitigation/Elevating/Hardening Critical Assets/Ben Lewis, FRWA
- 3:30 pm-4:30 pm Energy Efficiency/Information Needed to Lower Demand/Jason Golden and Scott Phillips, FRWA
- 4:30 pm-5:30 pm Water/Wastewater Issues Roundtable/FRWA Water and Wastewater Circuit Riders

#### WASTEWATER TRACK/Tamoka/0.5 WW CEUs

- 12:30 pm-1:30 pm Inflow and Infiltration/Alan Cagle, Atlantic Pipe
- 1:30 pm-2:30 pm Filling Out the DMR Correctly/Landon Reigelman and Gabriel Fritzen, FDEP South District
- 2:30 pm-3:30 pm O&M and WWTP Nitrification/Tim Plymel and David Vice, FRWA
- 3:30 pm-4:30 pm ORP Control for Nutrient Reduction/Allen Slater, FRWA
- 4:30 pm-5:30 pm The Importance of Air Release Valve Inspections/Brad Gresham, Wachs Water Services

#### WASTEWATER REVIEW/Crystal/0.5 WW CEUs

- 12:30 pm-1:30 pm Wastewater Overview/Jamie Hope, FRWA
- 1:30 pm-2:30 pm Activated Sludge Process 1/Jamie Hope, FRWA
- 2:30 pm-3:30 pm Activated Sludge Process 2/Jamie Hope, FRWA
- 3:30 pm-4:30 pm Nitrogen Control/Jamie Hope, FRWA
- 4:30 pm-5:30 pm Aerobic & Anaerobic Sludge Digestion/Jamie Hope, FRWA

#### ENGINEERING TRACK/Flagler/0.5 DW, DS, and WW CEUs/5.0 PDHs

- 12:30 pm-1:30 pm Engineering Laws and Rules/Sterling Carroll, FRWA
- 1:30pm-2:30 pm Engineering Ethics/Sterling Carroll, FRWA
- 2:30 pm-3:30 pm Applications through RD Apply/Sheneena Forbes, USDA/Andrew Green, Bob Mearns, and David Hanna, FRWA
- 3:30 pm-4:30 pm Project Inspections/Rick Herndon and Paul Thompson, FRWA
- 4:30 pm-5:30 pm Characteristics of High Functioning Boards/Mark Slater, HomeServe USA

- 6:30 pm-7:30 pm FRWA SOCIAL (Drinks, Light Hors d'oeuvres) Exhibit Hall

## TUESDAY, AUGUST 9, 2022

- 6:30 am-7:00 am EXHIBITOR SETUP/EXHIBIT HALL OPEN TO EXHIBITORS ONLY
- 7:00 am-8:30 am CONTINENTAL BREAKFAST, Exhibit Hall
- 7:00 am-7:30 pm EXHIBIT HALL OPEN
- 7:00 am-11:00 am REGISTRATION BOOTH OPEN

### OPENING/GENERAL SESSION

- 8:45 am-9:00 am WELCOME/Patricia Cichon, FRWA President
- 9:00 am-9:45 am FRWA UPDATE/ Gary Williams, FRWA Executive Director
- 9:45 am-10:15 am NRWA UPDATE/Cam McKay, Nevada Rural Water, NRWA Board Member
- 10:15 am-11:00 am SCHOLARSHIP AWARDS/FRWA AWARDS, FLORIDA RURAL WATER ASSOCIATION/Board Members
- 11:00 am-11:50 am GUEST SPEAKER/Andy Masters
- 11:50 am-1:00 pm FRWA BUFFET/Exhibit Hall
- 1:00 pm-4:30 pm ATTENDEE REGISTRATION BOOTH OPEN

**TUESDAY, AUGUST 9, 2022**

## **CONCURRENT SESSIONS**

### **DRINKING WATER TRACK**

Halifax/1.0 DW/DS CEUs/10 Hours PDHs

- 1:00 pm-2:00 pm Pre-Forming and Stripping TTHM's/Peyton Piotrowski, FRWA
- 2:00 pm-2:45 pm Managing PFAs in Rural Communities/Viraj deSilva, Freese and Nichols, Inc.
- 3:15 pm-4:00 pm Lead in School and Childcares/Erica Manz/Amanda Read/Gary Williams, Florida Rural Water Association
- 4:00 pm-5:00 pm Water Issues Round Table/FRWA Drinking Water Circuit Riders

### **WASTEWATER TRACK**

Tomoka/1.0 WW CEUs/10 Hours PDHs

- 1:00 pm-2:00 pm Wastewater Alternative Study/Dale Long, Phil Phillips, and Cory Snyder Municipal Engineering Services
- 2:00 pm-2:45 pm Bio fermentation and It's History/Chris Whiteman, ABS, Inc.
- 3:15 pm-4:00 pm PFAS Considerations for Wastewater Professionals/Paul Jackson, Pace Labs
- 4:00 pm-5:00 pm Wastewater Issues Roundtable/FRWA Wastewater Circuit Riders

### **DRINKING WATER/WASTEWATER TRACK**

St. Johns/1.0 DW/DS/WW CEUs/10 Hours PDHs

- 1:00 pm-2:00 pm Maintenance and Reliability Best Practices/Paul Dufresne, and Posh Dhanraj, Reliability Playbook
- 2:00 pm-2:45 pm Advance Metering Infrastructure/Mitchell Tate, Core & Main
- 3:15 pm-4:00 pm Apprenticeship/Bringing in New Workforce/Steve Soltau, FRWA
- 4:00 pm-5:00 pm Asset Management/Diamond Maps/Collections/Workorders/RevPlan/Dyana Stewart and Ron Nalley, FRWA

### **MANAGEMENT/FINANCE TRACK**

Flagler/1.0 DW/DS/WW CEUs/10 Hours PDHs

- 1:00 pm-2:00 pm Employment Law/Hiring & Retention/How to keep Employees/Katy Rodgers & Teri Solberg, TEL Staffing
- 2:00 pm-2:45 pm Understanding Your Role as a Board or Council Member/Paul Hinson, Bill Carney, and Danny Warrick, Pace
- 3:15 pm-4:00 pm Fraud Trends/Kevin Strickland, Ameris Bank
- 4:00 pm-5:00 pm SRF Funding/Assistance to get Projects Submitted/Mike Chase, FDEP and Rachel Howard, FRWA

### **WASTEWATER REVIEW**

Crystal/1.0 WW CEUs/10 Hours PDHs

- 1:00 pm-2:00 pm Wastewater Microbiology/Jamie Hope, FRWA
- 2:00 pm-2:45 pm Disinfection/Jamie Hope, FRWA
- 3:15 pm-4:00 pm FDEP Rules and General Safety/Jamie Hope, FRWA
- 4:00 pm-5:00 pm Laboratory and Sampling Methods/Jamie Hope, FRWA

**5:15 pm-5:45 pm FRWA ANNUAL MEMBERSHIP MEETING/Ponce de Leon**

**5:45 pm-7:30 pm EXHIBITOR SOCIAL/ BEST TASTING WATER CONTEST WINNER/DOOR PRIZES  
Exhibit Hall**

**Water Sample Must be submitted to the Registration Desk before Tuesday, August 9th at 2:00 pm**

# WEDNESDAY, AUGUST 10, 2022

7:00 am-10:15 am EXHIBIT HALL OPEN

7:00 am-7:45 am CONTINENTAL BREAKFAST/EXHIBIT HALL/DOOR PRIZES

## CONCURRENT SESSIONS

### DRINKING WATER TRACK

Halifax/1.0 DW/DS CEUs/10 Hours PDHs

- 7:45 am-8:45 am Water Tank Mixing/Preventing Stratification and Reducing Disinfection Byproducts/  
James Gibson, Consolidated Pipe & Supply
- 8:45 am-9:45 am PFAS SDWA Regulatory Status and UMCR 5 Update for Water Systems/Paul Jackson, Pace Labs
- 10:15 am-11:00 am DBPs/Vanessa Kraft, FDEP, South District and Stan Epperly, FRWA
- 11:00 am-12:00 pm Lead and Copper/Lead Inventory and SRF Funding Tools/Gary Williams and Ben Lewis, FRWA

### WASTEWATER TRACK

Tomoka/1.0 WW CEUs/10 Hours PDHs

- 7:45 am-8:45 am Covid Tracing in Wastewater/Jenna Webb, FDEP
- 8:45 am-9:45 am Instrumentation for Wastewater/Eric Jordan, Aqua Metrology Systems and David Vice, FRWA
- 10:15 am-11:00 am Sand and Grit Issues and Removal from the Plant, Lift Stations, and Collections System/  
Denver Stutler, US Submergent
- 11:00 am-12:00 pm Collections Rule/O&M/Reporting, Evaluation, Demonstration/ FRWA Wastewater Circuit Riders

### DRINKING WATER/WASTEWATER TRACK

St. Johns/1.0 DW/DS/WW CEUs/10 Hours PDHs

- 7:45 am-8:45 am Customer Complaints over Billing Disputes/Patrick Williamson, Badger Meter
- 8:45 am-9:45 am Cyber Security/Yolanda Williams, Homeland Security
- 10:15 am-11:00 am Utility Management Course/Doug Riseden and Ben Lewis, FRWA
- 11:00 am-12:00 pm Utility Master Planning/David Bolam, Saltus Engineering, Inc.

### MANAGEMENT/FINANCE TRACK

Flagler/1.0 DW/DS/WW CEUs/10 Hours PDHs

- 7:45 am-8:45 am HR/Workforce/Hiring/Keeping Good Employees/Rob Williamson, Evergreen Solutions LLC
- 8:45 am-9:45 am How to Increase Revenue Without Raising Rates/Gary Sanders, Edmunds Gov Tech
- 10:15 am-11:00 am Impact Fees/Katherine VanZant
- 11:00 am-12:00 pm Apprenticeship/Bringing in the New Workforce/Steve Soltau, FRWA

### WASTEWATER REVIEW

Crystal/1.0 WW CEUs/10 Hours PDHs

- 7:45 am-8:45 am Wastewater Math Part 1/Jamie Hope, Florida Rural Water Association
- 8:45 am-9:45 am Wastewater Math Part 2/Jamie Hope, Florida Rural Water Association
- 10:15 am-11:00 am Wastewater Math Part 3/Jamie Hope, Florida Rural Water Association
- 11:00 am-12:00 pm General Wastewater Questions/Jamie Hope, Florida Rural Water Association







# FLORIDA RURAL WATER ASSOCIATION 2022 Annual Technical and Training Conference ACTIVITIES MAP



The map shows the layout of the conference venue, including the Exhibit Hall, Grand Salons, and various tracks. A red dashed line indicates a suggested route through the venue. The tracks are color-coded and labeled as follows:

- DW/WW Track (Green):** ST. JOHNS
- Engineering Track (Blue):** FLAGLER
- Management/Finance Track (Purple):** FLAGLER
- Drinking Water Track (Orange):** HALIFAX
- Wastewater Track (Yellow):** TOMOKA
- Exhibit Hall (Red):** COQUINA

Each track has a corresponding schedule table below it, detailing activities for Monday, Tuesday, and Wednesday, August 8-10, 2022.

### DW/WW Track ST. JOHNS

MONDAY, AUGUST 8, 2022	
12:30 pm - 1:30 pm	Trench Safety
1:30 pm - 2:30 pm	Buy American/Build American
2:30 pm - 3:30 pm	Mitigation/Elevating/Hardening Critical Assets
3:30 pm - 4:30 pm	Energy Efficiency/Information Needed to Lower Demand
4:30 pm - 5:30 pm	Water/Wastewater Issues Roundtable
TUESDAY, AUGUST 9, 2022	
1:00 pm - 2:00 pm	Maintenance and Reliability Best Practices
2:00 pm - 2:45 pm	Advance Metering Infrastructure
3:15 pm - 4:00 pm	Apprenticeship/Bringing in a New Workforce
4:00 pm - 5:00 pm	Asset Management/Diamond Maps/Collections/Workers/RevPlan
WEDNESDAY, AUGUST 10, 2022	
7:45 am - 8:45 am	Customer Complaints Over Billing Disputes
8:45 am - 9:45 am	Cyber Security
10:15 am - 11:00 am	Utility Management Course
11:00 am - 12:00 pm	Utility Management Planning

### REGISTRATION COQUINA PRE FUNCTION

MONDAY, AUGUST 8, 2022	
10:00 am - 4:30 pm	Open
TUESDAY, AUGUST 9, 2022	
7:00 am - 11:00 am	Open
11:00 am - 1:00 pm	Closed
1:00 pm - 4:30 pm	Open
WEDNESDAY, AUGUST 10, 2022	
7:00 am - 10:15 am	Open

### EXHIBIT HALL COQUINA

MONDAY, AUGUST 8, 2022	
9:00 am - 7:30 pm	Exhibitor Setup
6:30 pm - 7:30 pm	FRWA Social
TUESDAY, AUGUST 9, 2022	
6:30 am - 7:00 am	Open to Exhibitors Only
7:00 am - 7:30 pm	Open to Attendees
7:00 am - 8:30 am	Continental Breakfast
11:50 am - 1:00 pm	FRWA Awards Buffet
2:45 pm - 3:15 pm	Break
5:45 pm - 7:30 pm	Exhibitor-Sponsored Social
7:30 pm	Exhibit Hall Closes
WEDNESDAY, AUGUST 10, 2022	
7:00 am - 10:15 am	Open to Attendees
7:00 am - 7:45 am	Continental Breakfast
9:45 am - 10:15 am	Break in Exhibit Hall
10:15 am	Exhibit Hall Closed

### MEMBERSHIP MEETING PONCE DE LEON

TUESDAY, AUGUST 9, 2022	
5:15 pm - 5:45 pm	Membership Meeting

### ENGINEERING TRACK FLAGLER

MONDAY, AUGUST 8, 2022	
12:30 pm - 1:30 pm	Engineering Laws and Rules
1:30 pm - 2:30 pm	Engineering Ethics
2:30 pm - 3:30 pm	Applications through RD Apply
3:30 pm - 4:30 pm	Project Inspections
4:30 pm - 5:30 pm	Characteristics of High Functioning Boards
TUESDAY, AUGUST 9, 2022	
1:00 pm - 2:00 pm	Employment Law/Hiring & Retention/How to keep Employees
2:00 pm - 2:45 pm	Understanding Your Role as a Board or Council Member
3:15 pm - 4:00 pm	Fraud Trends
4:00 pm - 5:00 pm	SRF Funding/Assistance to Get Projects Submitted
WEDNESDAY, AUGUST 10, 2022	
7:45 am - 8:45 am	HR/Workforce/Hiring/Keeping Good Employees
8:45 am - 9:45 am	How to Increase Revenue Without Raising Rates
10:15 am - 11:00 am	Impact Fees
11:00 am - 12:00 pm	Apprenticeship/Bringing in the Workforce

### OPENING SESSION GRAND SALONS

TUESDAY, AUGUST 9, 2022	
8:45 am - 9:00 am	Welcome/FRWA
9:00 am - 9:45 am	FRWA Update
9:45 am - 10:15 am	NRWA Update
10:15 am - 11:00 am	Scholarship Awards/FRWA Awards
11:00 am - 11:50 am	Guest Speaker/Andy Masters

### WASTEWATER REVIEW CRYSTAL

MONDAY, AUGUST 8, 2022	
12:30 pm - 1:30 pm	Wastewater Overview
1:30 pm - 2:30 pm	Activated Sludge Process I
2:30 pm - 3:30 pm	Activated Sludge Process II
3:30 pm - 4:30 pm	Nitrogen Control
4:30 pm - 5:30 pm	Aerobic and Anaerobic Sludge Digestion
TUESDAY, AUGUST 9, 2022	
1:00 pm - 2:00 pm	Wastewater Microbiology
2:00 pm - 2:45 pm	Disinfection
3:15 pm - 4:00 pm	DEP Rules and General Safety
4:00 pm - 5:00 pm	Laboratory and Sampling Methods
WEDNESDAY, AUGUST 10, 2022	
7:45 am - 8:45 am	Wastewater Math Part I
8:45 am - 9:45 am	Wastewater Math Part II
10:15 am - 11:00 am	Wastewater Math Part III
11:00 am - 12:00 pm	General Wastewater Questions

### WASTEWATER TRACK TOMOKA

MONDAY, AUGUST 8, 2022	
12:30 pm - 1:30 pm	Inflow and Infiltration
1:30 pm - 2:30 pm	Filling Out the DMR Correctly
2:30 pm - 3:30 pm	O&M and WWTIP Nutrition
3:30 pm - 4:30 pm	ORP Control for Nitrogen Reduction
4:30 pm - 5:30 pm	The Importance of Air Release Valve Inspections
TUESDAY, AUGUST 9, 2022	
1:00 pm - 2:00 pm	Wastewater Alternative Study
2:00 pm - 2:45 pm	Bio-Fermentation for Wastewater Professionals
3:15 pm - 4:00 pm	PFAS Consideration for Wastewater Professionals
4:00 pm - 5:00 pm	Wastewater Issues Roundtable
WEDNESDAY, AUGUST 10, 2022	
7:45 am - 8:45 am	COVID Testing in Wastewater
8:45 am - 9:45 am	Instrumentation for Wastewater
10:15 am - 11:00 am	Sand and Grit Issues and Removal from the Plant
11:00 am - 12:00 pm	Collection Rule/O&M/Reporting Evaluation, Demonstration

### DRINKING WATER TRACK HALIFAX

MONDAY, AUGUST 8, 2022	
12:30 pm - 1:30 pm	Impact of Customer Water Leaks and the Solutions in the Marketplace
1:30 pm - 2:30 pm	Best Practices of Unidirectional Flushing
2:30 pm - 3:30 pm	Future Well Locations and Tools Used to Determine
3:30 pm - 4:30 pm	Source Water/Groundwater Protection
4:30 pm - 5:30 pm	Wellhead Sanitation
TUESDAY, AUGUST 9, 2022	
1:00 pm - 2:00 pm	Pre-Forming and Stripping TTHM's
2:00 pm - 2:45 pm	PFAS
3:15 pm - 4:00 pm	Lead in School and Childcares
4:00 pm - 5:00 pm	Water Issues Round Table
WEDNESDAY, AUGUST 10, 2022	
7:45 am - 8:45 am	Water Tank Wiping/Preventing Stratification and Reducing Disinfection Byproducts
8:45 am - 9:45 am	PFAS SDWA Regulatory Status and UWCR 5 Update for Water Systems/DBPs
10:15 am - 11:00 am	DBPs
11:00 am - 12:00 pm	Lead and Copper/Lead Inventory and SRF Funding Tools

### WASTEWATER REVIEW CRYSTAL

MONDAY, AUGUST 8, 2022	
12:30 pm - 1:30 pm	Wastewater Overview
1:30 pm - 2:30 pm	Activated Sludge Process I
2:30 pm - 3:30 pm	Activated Sludge Process II
3:30 pm - 4:30 pm	Nitrogen Control
4:30 pm - 5:30 pm	Aerobic and Anaerobic Sludge Digestion
TUESDAY, AUGUST 9, 2022	
1:00 pm - 2:00 pm	Wastewater Microbiology
2:00 pm - 2:45 pm	Disinfection
3:15 pm - 4:00 pm	DEP Rules and General Safety
4:00 pm - 5:00 pm	Laboratory and Sampling Methods
WEDNESDAY, AUGUST 10, 2022	
7:45 am - 8:45 am	Wastewater Math Part I
8:45 am - 9:45 am	Wastewater Math Part II
10:15 am - 11:00 am	Wastewater Math Part III
11:00 am - 12:00 pm	General Wastewater Questions

### EXHIBIT HALL COQUINA

MONDAY, AUGUST 8, 2022	
9:00 am - 7:30 pm	Exhibitor Setup
6:30 pm - 7:30 pm	FRWA Social
TUESDAY, AUGUST 9, 2022	
6:30 am - 7:00 am	Open to Exhibitors Only
7:00 am - 7:30 pm	Open to Attendees
7:00 am - 8:30 am	Continental Breakfast
11:50 am - 1:00 pm	FRWA Awards Buffet
2:45 pm - 3:15 pm	Break
5:45 pm - 7:30 pm	Exhibitor-Sponsored Social
7:30 pm	Exhibit Hall Closes
WEDNESDAY, AUGUST 10, 2022	
7:00 am - 10:15 am	Open to Attendees
7:00 am - 7:45 am	Continental Breakfast
9:45 am - 10:15 am	Break in Exhibit Hall
10:15 am	Exhibit Hall Closed