



# The Droplet

Florida Water Environment Association  
Water Resources Reuse and Resiliency (WR3)  
Committee

March 2016

Please pass this newsletter along!

Volume 7 Issue 4

## FY 2015-2016 Officers

Co-Chairs:  
Ricky Ly

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Lynn Spivey

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Vice Chair: Open

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Donna Kaluzniak

[donna@h2owriting.com](mailto:donna@h2owriting.com)

## The 2016 Winter Seminar- A HUGE SUCCESS!!!!!!!!!!!!

FWEA Water Resources, Reuse, Resiliency (WR3) presents  
**2016 INTEGRATED WATER SEMINAR**  
*One Drop of Water - Many Uses*

**SAVE THE DATE**

Save the date for this Integrated Water Seminar:  
FDTs have been submitted for approval.

Register online at:  
[www.fwea.org/2016seminar](http://www.fwea.org/2016seminar)

**FRIDAY JANUARY 22, 2016**  
8:00 AM - 4:00 PM EST

Guest Speakers: Margaret National Executive Research  
1000 Gwynn Street, St. Augustine Beach, FL 32080

**KEYNOTE SPEAKER:**  
**SENATOR WALTON SIMPSON**

Simpson has been serving the Florida Senate (R-B) since 2012. He is currently the chair of the Senate and the House of Representatives.

In 2014 the Senator sponsored SB 536, which requires DEP in coordination with stakeholders shall conduct a comprehensive study and submit a report on the expansion of the use of reclaimed water, stormwater, and excess surface water in the state.

**Panel Discussion: Innovative Water Resources Project Experiences**  
Moderator: Bart Weiss and Amy Tracy

**Panelists:**  
Janet Uweilwyn, FDEP Office of Water Policy  
Russell Schmitz, Wichita Falls, TX  
JoAnn Jackson, City of Alamogordo Springs  
David Porter, Clearwater, FL

**Green Roofs, Permeable Pavements, & Stormwater Reuse**  
Dr. Mike Hardin, Geosyntec

**WMD Large Data Collection**  
Marc Hammond, SWFWMD

**Central Florida Water Initiative: The Next 5 years**  
John Shearer, Shearer Consulting

**FDDT Stormwater Harvesting Joint Projects - Lessons Learned**  
Rick Renna, FDDT

**Integrative Water Reuse: National and Florida Perspective**  
Bart Weiss and Amy Tracy, Waterhouse Florida

**Reuse and Agricultural Perspective**  
Hugh Thomas, FDA Office of Ag Water Policy

**Using Hazard Analysis and Critical Control Points (HACCP) for Public Health Protection in Potable Reuse**  
Dr. Ben Stanford, Hazen and Sawyer



**The energy in the room was palpable....**  
With over 80 attendees it was one of our best attended seminars ever. The venue was a place of incredible natural beauty. Subjects

covered all sources of water supply from stormwater to direct potable reuse.

**A big thanks to our sponsors**  
**Arcadis, Geosyntec, Interera, Black&Veatch, and EnvironSales of Florida.**

Every speaker was superb, starting with the keynote speaker Senator Alan Simpson who braved a storm to tell the audience about his passion for water resource protection. He enlisted the attendees to provide input on some meaningful legislation for reclaimed water. In 2014 the Senator sponsored SB 536, which required, "DEP, in coordination with stakeholders shall conduct a comprehensive study and submit a report on the expansion of the use of reclaimed water, stormwater, and excess surface water in the state.





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**Click on the links below for a sample of  
the presentations.**

**Senator Simpson Keynote Speech**

[http://www.fwea.org/docs/7-Simpson\\_Keynote\\_SB536.pdf](http://www.fwea.org/docs/7-Simpson_Keynote_SB536.pdf)



**Rick Renna- FDOT Stormwater  
Harvesting- Joint Projects**

[http://www.fwea.org/docs/6-Renna\\_FDOT\\_StormwaterReuse.pdf](http://www.fwea.org/docs/6-Renna_FDOT_StormwaterReuse.pdf)

**Amy Tracy and Bart Weiss-  
Integrative Water Reuse-  
National and Florida  
Perspective**

[http://www.fwea.org/docs/8-9 -  
Weiss\\_Tracy\\_NationalandFloridaPerspective.pdf](http://www.fwea.org/docs/8-9 -Weiss_Tracy_NationalandFloridaPerspective.pdf)





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## Water Resources, Reuse and Resiliency(WR3) Committee

*(Formerly the FWEA IWRC and Water Reuse Committees)*

As our industry continues to evolve to identify new water resources to meet growing demands in a cost-effective and sustainable manner, the importance of reuse continues to surface in all integrated water resource discussions. Also, considering the changes in climate and weather patterns, building in resiliency to handle extreme events is becoming more critical. With this in mind, the WR3 committee operates under a wider range of water resource expertise to identify new opportunities and continue leading the industry. The committee is also in line with the latest "One Water" trend which recognizes that water from all sources and every use is inextricably interrelated.

### Ricky Ly and Lynn Spivey Co-Chairs

•Co-Chairs: **Ricky Ly and Lynn Spivey** •Vice-Chair: Open

•Secretary: **Lillie Thomas** •Treasurer: **Nita Naik**

•Communications: **Elizabeth Thomas, Doug Eckmann and Donna Kaluzniak**

•Awards: **Shanin Speas-Frost** • Website Coordinator **Michael Knowles**

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### Committee Officer Spotlight

*Shanin Speas-Frost, P.E., MBA*



WR3 Awards Committee Chair; Administrator of the Drinking Water State Revolving Fund Program, Florida Department of Environmental Protection, Iron woman and proud mother of two! **Ms. Speas-Frost** had been a driving force behind the former FWEA water reuse committee and now provides expert assistance to the new WR3 committee. Shanin, who has been with the Florida Department of Environmental Protection (FDEP) in Tallahassee for over sixteen years, was recently promoted to Administrator of the Drinking Water State Revolving Fund Program (SRF). Shanin had held the position of the State Water Reuse Coordinator for eight years, dealing with issues regarding implementation of Florida Water Reuse program as well as wastewater treatment wetlands. She graduated from the University of Florida with a bachelor's degree in Environmental Engineering in 1995 and went to work at a Florida paper mill where she managed their wastewater treatment process. In 2001, she graduated from the Florida State University with a Master of Business Administration and in 2002 received her licensure as a Professional Engineer in the state of Florida. Shanin is active in the Florida Water Environment Association (FWEA) serving as chair of the Big Bend Chapter, coordinator of the Florida Water Festival of the Big Bend Area, and on the board of the Water Resource, Reuse and Resiliency Committee. She is also a standing member of the Integrated Water Management Advisory Committee for the national Water Research Foundation.

*Photo of Shanin is from her competing in a recent Ironman competition.*



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Stay current on events, participate in industry discussions and more!

Like FWEA on Facebook [www.facebook.com/CleanWaterFl](http://www.facebook.com/CleanWaterFl)



**[Check out the free online webinars for FWEA members!](#)**

**In case you missed these-**

**Cooperative Funding updates from the water management districts**

**SFWMD**

<http://www.sfwmd.gov/portal/page/portal/xweb%20about%20us/cooperative%20funding%20program>

**SJRWMD**

[http://webapub.sjrwmd.com/agws10/news\\_release/ViewNews.aspx?nrd=nr16-068](http://webapub.sjrwmd.com/agws10/news_release/ViewNews.aspx?nrd=nr16-068)

**SWFWMD**

<https://www.swfwmd.state.fl.us/business/coopfunding/>

**FDEP SB536 final report**

FDEP Issued a Final SB 536 Report on Expansion of Beneficial Uses of Reclaimed Water, Stormwater, and Excess Surface Water  
More information is on the FDEP Website.

<http://www.dep.state.fl.us/water/reuse/study.htm>

**Miami to deal with sea level rise-**

<http://floridawaterdaily.com/2016/03/14/miami-beach-wants-to-fast-track-work-to-battle-sea-level-rise/>

**NEW EPA Water Infrastructure and Resiliency and Finance Center-**

<https://www.epa.gov/waterfinancecenter>



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The Water Environment Research Foundation (WERF) is conducting a national survey about integrated planning for wastewater and stormwater for communities in order to create a Users' Guide – <http://www.wef.org/integrated-planning-help-us-build-users-guide/>

ASCE Annual ASCE Water Resources conference-

<http://www.ewricongress.org/>

### St. Johns River Water Management District (SJRWMD) and Southwest Florida Water Management District (SWFWMD) Boards approve regional water supply plan strategies for central Florida

The Central Florida Water Initiative (CFWI) is an ongoing water supply effort focusing on the Central Florida Coordination Area, which includes southern Lake, Orange, Osceola, Seminole and Polk counties. The three water management districts, along with the Florida Department of Environmental Protection (DEP), Florida Department of Agriculture and Consumer Services (DACS), regional public water supply utilities and other stakeholders are collaborating to develop a unified process to address central Florida's current and long-term water supply needs. The Central Florida Water Initiative's (CFWI) Steering Committee has produced a report that will set a path forward for meeting water supply needs in central Florida for the next 20 years. This report is available now can be found on their website at [www.cfwiwater.com](http://www.cfwiwater.com). The SJRWMD and SWFWMD recently approved this report at their boards meeting.

### Educating Integrated Water Resource Managers *By Donna*

*Kaluzniak* Many larger utilities and regional water districts now embrace the concept of Integrated Water Resources Management (IWRM)—the view of this precious resource as "one water." They promote integrated water resource planning, and prepare Total Water Management Plans. But how to educate ourselves to implement integration? For some ideas see full article below:

[http://www.fwea.org/docs/Integrated\\_water\\_resources\\_education\\_12-2015.docx](http://www.fwea.org/docs/Integrated_water_resources_education_12-2015.docx)



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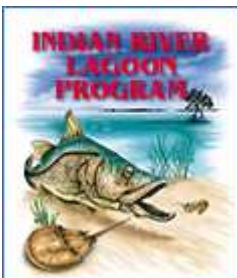
## Useful information:

**From WEF Stormwater - Evolving Green Infrastructure**

<http://stormwater.wef.org/2015/11/evolving-green-infrastructure-asset-management/>

**Comparison of Revenue Bonds and FDEP Administered Drinking Water and Clean Water State Revolving Fund Loans**

[http://www.fwea.org/docs/ComparisonofRevenueBondsandFDEPAdministeredSRFLoansFWRC-presentation\\_pull.docx](http://www.fwea.org/docs/ComparisonofRevenueBondsandFDEPAdministeredSRFLoansFWRC-presentation_pull.docx)



## Get Involved Spotlight

**Indian River Lagoon**

<http://itsyourlagoon.com/>

**Sarasota Bay Estuary Program**

For More Information:

<http://sarasotabay.org/get-involved/bay-guardian-volunteers/>

**Tampa Bay Estuary Program**

For More Information: <http://www.tbep.org/help/giveaday.html>

**Tampa Bay Watch**

For More Information: [http://www.tampabaywatch.org/events\\_baylife\\_main.html](http://www.tampabaywatch.org/events_baylife_main.html)

## Other Volunteer Opportunities

- FDEP - Current Initiatives and Volunteer Opportunities  
<http://www.dep.state.fl.us/central/Home/Watershed/GetInvolved.htm>
- Florida State Parks  
<https://www.floridastateparks.org/get-involved/volunteer>



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### Other Water News and Events

For other industry news, listed below is a couple of great websites:

<http://www.fwea.org/>

[subscriptions@floridawaterdaily.com](mailto:subscriptions@floridawaterdaily.com)

<http://www.brownandcaldwell.com/1water/index.asp>

<http://www.nwri-usa.org/>

## Committee News

WR3 Committee meetings are held on the first Tuesday of every month at 11:45 am. Email any committee officer or member to be added to the committee and be placed on the email distribution list.

### 2016 Reuse Roundtable at the FWRC conference

We are pleased to announce that we will again be hosting a roundtable discussion at the 2016 FWRC conference. This year's speakers will include high level experts you surely will not want to miss. Click on link to sign up for the conference:

<http://fwrc.org/>

Or you can also go to [www.fwea.org/](http://www.fwea.org/)

Other organizations of interest:

<http://www.watereuse.org/> and <http://www.florida-stormwater.org/> and

<http://www.fsawwa.org/> and <http://awra.org/> and <http://www.asce.org/> and [www.waterrf.org/](http://www.waterrf.org/)

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