

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

December 2015

Please pass this newsletter along! Volume 7 Issue 2



## FY 2015-2016 **Officers**

Co-Chairs: Ricky Ly Ricky.Ly@Stantec.com Lynn Spivey Lynn.Spivey@arcadis-us.com

Vice Chair: Open

Secretary: Lillie Thomas LThomas@Geosyntec.com

Treasurer: Nita Naik nnaik@greeley-hansen.com

Website: Michael Knowles mknowles@greeley-hansen.com

Newsletter: **Elizabeth Thomas** ethomaspe@gmail.com Doug Eckmann

douglas.eckmann@tkwonline.com

Awards: **Shanin Speas-Frost** Shanin.SpeasFrost@dep.state.fl.us The 2016 Joint Winter Seminar is just around the corner on January 22, 2015! **REGISTER TODAY-OPEN LINK HERE!** 



8:00 AM - 4:00 PM EST

KEYNOTE SPEAKER: SENATOR WILTON SIMPSON

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."

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

FDOT Stormwater Harvesting Joint Projects - Lessons Learned Rick Renna, FDOT

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

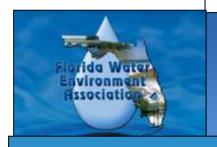
Reuse and Agricultural Perspective Hugh Thomas, FDA Office of Ag Water Policy

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

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

Panelists: Janet Llewellyn, FDEP Office of Water Policy Russell Schrieber, Wichita Falls, TX JoAnn Jackson, City of Altamonte Springs David Porter, Clearwater, FL





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# The FWEA IWRC and Water Reuse Committees have been combined to form the

# Water Resources, Reuse and Resiliency Committee

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, combining the Integrated Water Resources and Reuse Committees helps to leverage a wider range of water resource expertise to identify new opportunities and continue leading the industry. The merging of committees 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

•Chair: Ricky Ly and Lynn Spivey •Vice-Chair: Open

•Secretary: Lillie Thomas •Treasurer: Nita Naik

•Communications: Elizabeth Thomas and Doug Eckmann

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

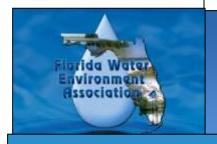
# A Big Thanks to Our Sponsors!!











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

Like FWEA on Facebook www.facebook.com/CleanWaterFI



### **News from around the State**

### FDEP SB536 final report

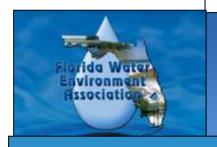
FDEP Issues Final SB 536 Report on Expansion of Beneficial Uses of Reclaimed Water, Stormwater, and Excess Surface Water by Florida Water Daily  $\cdot$  December 4, 2015

From the Executive Summary:

The report includes a review and analysis of the historic development, regulatory framework, current status and potential for future expansion of reclaimed water (Chapter 2), stormwater (Chapter 3), excess surface water (Chapter 4) and storage (Chapter 5).

Impediments and constraints to increasing the use of reclaimed water (section 2.6), stormwater (section 3.3) and excess surface water (section 4.4) for water supply are identified. Recommendations to mitigate or eliminate impediments and provide incentives for increased beneficial use of these water sources are provided (Chapter 7).

More information is included on the FDEP Website. http://www.dep.state.fl.us/water/reuse/study.htm



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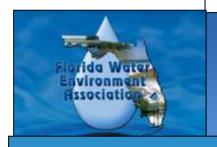
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Awards: Shanin Speas-Frost Shanin.SpeasFrost@dep.state.fl.us St. Johns River Water Management District (SJRWMD) and **Southwest Florida Water Management District (SWFWMD)** Boards approve regional water supply plan strategies for central Florida The 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. The SJRWMD and SWFWMD recently approved this report at their boards meeting.

**Bill would allow Amendment 1 dollars to be used for flood control program** State Sen. Jeff Brandes filed a bill that
would create a statewide flood mitigation and assistance program he says
would be eligible to receive funding under a water and land conservation
ballot measure approved in 2014. The bill (SB 584) would authorize the
Division of Emergency Management to provide up to \$50 million in
matching funds for land acquisition or other projects to prevent flooding
and technical and financial assistance to implement flood risk reduction
policies.

Florida survey finds widespread water concerns Water concerns topped the list when 1,251 adults statewide were asked to name the biggest environmental problem facing Florida. Six percent of Floridians believe that the environment, drilling and climate change are the most important issues facing the state—entering the top-five responses for the first time in the last five years—suggesting that the environment is near the top of many Floridians' public policy concerns. When asked an openended question: "What is the biggest environmental problem facing Florida today?" "water-related problems" cited by 31 percent tops the list, followed by "air pollution" (8 percent), "overpopulation/over development" (6 percent), "oil-drilling o- shore" (5 percent), "the Everglades" (5 percent), "climate change/global warming" (5 percent), trash/litter/pollution/no recycling 5 percent). One-fifth did not provide an answer—higher than for many other policy areas. A reclassification of all responses reveals that 38 percent are related to water (water quality/quantity, the Everglades, beaches, springs), 18 percent to potential disasters—human or nature driven (off-shore oil drilling, climate



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Awards: Shanin Speas-Frost Shanin.SpeasFrost@dep.state.fl.us change, storms/weather, loss of natural areas, sinkholes, invasive species, pests facing Florida's agricultural industry), 15 percent to pollution (air pollution, trash/litter/pollution/lack of recycling, brownfields), 6 percent to overdevelopment, 4 percent miscellaneous, and 20 percent no opinion. Source: Sun Sentinel



The Altamonte Springs – FDOT Integrated Reuse and Stormwater Treatment project (A-FIRST) provides solutions for flood protection in a closed surface water basin, nutrient reduction to an impaired Central Florida water body and alternative water supply locally and to a neighboring community with very large projected growth in water demands over the 30 year horizon. See full story about this unique project.

http://www.fwea.org/docs/Altamonte Springs A-FIRST Paper Final 122015.docx

### **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.

These are positive and necessary activities, needed to protect and best use our water. But, as we know, IWRM is not easy.

Getting utility people out of their "silo" mentality, where drinking water, wastewater, and stormwater are separate entities is one challenge.

Crossing city, county or state boundaries to develop and implement a plan is another. Working with multiple governmental agencies is headache inducing. And persuading citizens, businesses, industries, utilities, farmers, environmentalists, permitting agencies, and elected officials to work together—well, that's another reason why IWRM takes a long time. Given the importance and the difficulty of IWRM, it seems that educational programs about water management would be prevalent. That is not the case. An online search shows that water resource management programs are available, but not abundant.

Link for full article below:

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/ComparisonofRevenueBondsandFDEPAdministeredSRFL oansFWRC-presentation\_pull.docx

## Get Involved Spotlight

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.h tml

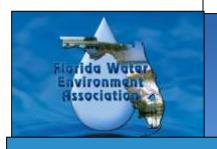
#### Other Volunteer Opportunities

- FDEP Current Initiatives and Volunteer Opportunities
   http://www.dep.state.fl.us/central/Home/Watershed/GetInvolved.htm
  - o Includes links to opportunities in the following Counties:
    - Brevard
    - Indian River
    - Lake
    - Marian
    - Orange
    - Osceola
    - Seminole
    - Volusia
- 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

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

#### **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.

Please also check <a href="www.fwea.org/">www.fwea.org/</a>
As well as <a href="http://www.fwea.org/">http://www.fwea.org/</a> and <a href="http://www.florida-stormwater.org/">http://www.fsawwa.org/</a> and <a href="http://www.fsawwa.org/">http://www.fsawwa.org/</a> and <a href="http://www.asce.org/">http://www.asce.org/</a> and <a href="www.waterrf.org/">www.waterrf.org/</a> for more announcements of conferences and meetings



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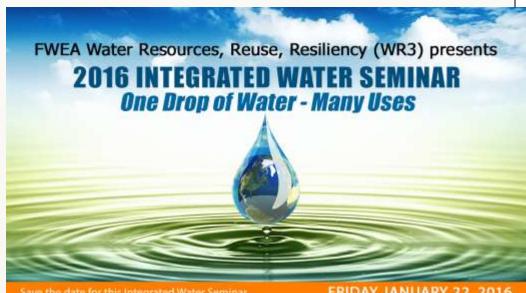
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Newsletter Co-chairs: Elizabeth Thomas

Doug Eckmann Douglas.Eckmann@tkwonline.com

Seminars Chair: Shanin Speas-Frost Shanin.SpeasFrost@dep.state.fl.us



save the date for this Integrated Water Seminar.

Register online at: http://bit.ly/wr3onedrop FRIDAY JANUARY 22, 2016 8:00 AM - 4:00 PM EST

Guana Tolomato Matanzas National Estuarine Research 505 Guaria River Rd. Ponte Vedra Beach, FL 3208.

### KEYNOTE SPEAKER: SENATOR WILTON SIMPSON

Senator Simpson has been serving the Florida Senate 18th District since 2012 (Hernando, most of Sumter, and parts of Pasco Counties).

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."

Senator Simpson resides in Trilby located in the northeast comer of Pasco County and not only heads an environmental company, but also owns and operates a family farm. 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

FDOT Stormwater Harvesting Joint Projects - Lessons Learned Rick Renna, FDOT

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