As we enter the final quarter of 2016 let’s keep our momentum and finish strong! We have had another strong year thanks to all of our great volunteers, who are the real driving force behind our great organization. We have tons of opportunities for participation still in 2016. Still on the fence about whether or not to get involved? Come check us out! We have a bunch of opportunities still in 2016: The annual golf tournament at Lake Jovita Golf and Country Club, originally scheduled for October 7th, has been re-scheduled for October 28th; our annual Model Water Tower Competition on October 22nd at Walker Middle School (more volunteers always needed); our annual Regional Sponsor Appreciation banquet at the Sheraton in Tampa on November 9th; we have a new seminar on November 8th at the FDEP Southwest District Office entitled “Protect and Prevent Workshop” and we are not done yet with luncheons at the Brio Tuscan Grille – be on the lookout. So as you can see, we are extremely active and have tons of opportunities for you to volunteer or just attend a seminar or luncheon. Also don’t forget the Fall Conference – FSAWWA’s 90th year celebration, be there or you will miss out on a great time. As always, if you are interested in volunteering or sponsoring or being involved let me know. Email me at kings@bv.com – See you soon!
The Florida Section sponsored Heather Norfleet, Region IV Water For People Chair (WFP), and Johna Jahn, Region Chair WFP Committee member, to attend a workshop in Denver at the Water For People headquarters at the end of July. The workshop was inspiring and we returned energized to promote awareness of the water crisis in developing countries. We also received invaluable information, tools, and resources to raise more funds for the worthy cause. Please contact Heather if you’d like to become a part of our committee and join in our efforts.

Interesting facts learned at the conference:

- WFP operates in 9 countries (location dependent on support for sustaining projects - cost sharing, political, implementation, operation)
- FY2015 $19.1M raised, FY2016 $19.6M projected
- 180 global employees with 40 located in India and 35 located at the headquarters in Denver
- 4 Star rated charity - only the top 1% of charities achieve this rating
- Absolut Elyx (vodka) has partnered with WFP (5-yr commitment) and will donate proceeds from the copper pineapple sales (one sale equates to one month of water in a developing country). It's possible a rep may work with our committee on the next event.
- Crooked Steve Brewery in CO made a beer for WFPs 25th Anniversary

Workshop attendees included Workplace Giving representatives from Corrollo, Brother Mobile Solutions, Inc., Brown and Caldwell, CH2M, Cole Engineering, EA Engineering Science, and Technology, Inc., and Nalco, in addition to AWWA members from across the country and Canada.
Region IV Craft a Future Event  
By Heather Norfleet

This year’s Water for People fundraiser was held at Hidden Springs Ale Works in Tampa and had one of the best attendance records to date with nearly 100 attendees. Nearly 40% of those attendees were sponsor comped tickets. Region Chair Steven King did a great job of reaching out to our sponsors to ensure tickets were utilized this year and it helped tremendously with turnout. Jones Edmunds and Wade Trim encouraged staff participation with an employee ticket purchase incentive. Event tickets cost $25 in advance and included music from two bands (Sisemore and John Kelly Band), dinner from Boom Box Food Truck, and two craft beers from the brewery. In addition to the aforementioned, we would like to thank the following for their contribution:

- Hazen- $100 event sponsor
- Doosan- $100 event sponsor
- Hidden Springs Ale Works- T-shirt and growler raffle donation
- Viking Fitness – fitness basket for auction
- Sweetwater Kayaks - kayak rental donation
- Maris Jeffery with Thirsty Pelican Tours- beer and tour discount auction donation
- Lisa Rhea, Jones Edmunds- Two liquor basket donations
- Florida Aquarium – Two tickets for auction
- Hillary Weber – Two baskets for auction

Many of the Region IV FSAWWA volunteers chipped in and helped with check-in (Chris Moody with Arcadis, and Phil Walker with Tetra Tech) and sold 50/50 raffle tickets (Emilie Moore, Tetra Tech) among many others. David Yonge with Jones Edmunds owns Ty Apparel Inc. which did a great job printing the event shirts. There are shirts left over and for sale for $15 each if anyone is interested in purchasing one just let Heather know. All proceeds go to Water For People.

We hope to add a few more fundraisers throughout the upcoming year which may include a “Pedal for Purpose” bicycle pub crawl and possibly a holiday party. Please contact Heather if you’re interested in getting involved. We could use more volunteers!
The Region IV MAC is busy planning the Fall Conference for the Florida Section AWWA. This year’s theme is “The Value of Water”. It will be held at the Renaissance Orlando at SeaWorld. The conference dates this year are the following: Sunday November 27, 2016 through Thursday December 1, 2016. Please circle your calendar now to attend the conference. Open enrollment began August 1, 2016. Come celebrate Florida Section AWWA’s 90th Anniversary at the conference.

We expect over 180 exhibitors to be present showing the latest innovations in the water and sewer industry during the three days of the conference. We will have over 1,200 attendees at the Fall Conference. Please join us on Monday night immediately following the exhibit hall Meet & Greet for the Incoming Chair Reception and Barbeque Challenge. We will be celebrating our new incoming chair, Grace Johns of Hazens and Sawyer as well as finding out who has the best bar-b-que in the state. This event is at no charge. In addition, if you are a full registrant, you will be receiving a complimentary ticket to attend the 90th Anniversary Gala of the Florida Section AWWA on Tuesday night at the Hard Rock Hotel. The guest entertainment will be Jimmie Vaughan. Round trip transportation will be provided by the Florida Section at no charge from the host hotel, Renaissance Orlando Hotel at SeaWorld, to the Hard Rock Hotel. In addition to these big events, the MAC will be hosting our annual poker tournament on Monday night immediately following the Barbeque Challenge as well as the annual conference golf tournament on Thursday morning. Both events will benefit Water for People and the Roy Likins Scholarship Fund. If you have not yet registered for the conference, please plan on attending the conference and all the wonderful events that are planned.

Please check out our website at www.fsawwa.org to look at the calendar of events for the conference.

Please mark on your calendar as the FSAWWA MAC Council New Product Technology & Training Showcase will be held once again in Oldsmar at the Public Library on January 11, 2017. More information will follow.
Yet Another Great Beneficial Use of Reclaimed Water

By Nick Makris, Region IV Best Tasting Water Competition Chair

The WateReuse Association, a leading organization on policy, advocacy and education of alternative water supply development, recently held the 31st Annual WateReuse Symposium in Tampa September 11-14, 2016. The annual event brought water managers and industry leaders from across the country together to discuss the latest trends in water reuse. The Water Environment Federation, the American Water Works Association, as well as many of our very own Region IV corporate sponsors partnered with WateReuse for a highly successful conference covering a wide range of topics from water quality sessions to regulatory updates and roundtable discussions.

The symposium showcased a technical tour of the Hillsborough County-Faulkenberg water reclamation plant’s Direct Potable Reuse Pilot, as well as what might have been a conference highlight for some, a beer contest where teams got together to brew their own using the associated treated purified recycled water.

“Great tasting beer starts with great tasting water,” said Melissa Meeker, Executive Director of the WateReuse Association. “We wanted to show the public that purified recycled water is safe and tastes good, even better than bottled water.”

According to the WateReuse website: More than 1,000 gallons of wastewater was purified using multiple advanced technologies, including biological and chemical processes, ultrafiltration, reverse osmosis, and ultraviolet light. Stringent water quality tests verified that the purified water met all state and federal standards for drinking water. Xylem and GE provided mobile units with the advanced technologies, and Tetra Tech designed and built the infrastructure to move the water through each phase of purification. Special Hoperations, a local homebrew club based in Tampa, organized the brewing and tasting contest.

A team was formed from a group of scientific home brewers and avid reclaimed water specialists from the Southwest Florida Water Management District, including team brew master Tom Kiger, an engineer with the District’s Water Supply Section, Anthony Andrade, District’s Reclaimed Water Coordinator, and myself. The dedicated team was excited about this unique opportunity to brew their own American porter style ale which they affectionately dubbed “Royal Flush Potable Porter” and our painstaking attention to detail was evident with the first taste of our brew and a toast to the future of potable reclaimed water.

When asked during an educational promotional video how the final product tasted, Mr. Kiger responded, “the purified water tastes great, and so does our porter. Many people don’t realize that the quality of drinking water often depends more on how it’s treated, and not where it comes from. The purified water we received was highly treated with reverse osmosis, which allowed us to build our water chemistry from the ground up to complement the dark and roasty flavors in our porter. It takes great water to make great beer, and I think we’ve produced a beer that’s quite tasty.”

Mr. Andrade added an important message to help alleviate concerns of safety and general public perception, “this contest raises awareness about potable water reuse and showcases one of the many potential uses of purified reclaimed water thanks to modern water treatment technology. We want people to recognize that all water is a resource, and it should be judged based on its quality, not on its history.”

Similar to Region IV’s (and all of AWWA’s respective State Sections) Best Tasting Drinking Water competitions where water samples from local utilities are judged on a completely subjective and non-scientific way, beer tasting is also inherently subjective, based on personal tastes and preferences. However, instead of being judged on aroma, taste, color, and clarity for the drinking water samples, the beer contest entries were evaluated on the basic elements of beer: water, malt, hops, and yeast. Additionally, unlike an “amateur” water judge, a majority of these beer judges have earned certifications from a recognized Beer Judge Certification organization, with titles ranging from Apprentice to Grand Master.
As would be expected, the Royal Flush team was quite justifiably proud of our meticulous efforts, however the judges did not agree with their unbiased evaluation and in the end our beer did not have the “winning hand” to take down the competition. Although the subtle hints of dark and roasty flavors with hints of caramel notes were clearly evident to the District team’s seasoned and trained palate, they may have proved too complex for the official beer judges to discern. All and all, although the team did not triumph in the highly competitive contest, we will continue our winning ways in the promotion of the many beneficial uses of reclaimed water.

It should be noted that the Southwest Water Management District is hosting an upcoming Reuse Workshop at the next Governing Board meeting on October 25, 2016 at the District’s Brooksville Office to further advance the importance of reclaimed water in helping the District meet one of its core missions, to ensure adequate water for the environment and its citizens through the development of alternative water supplies.

**Staff Brew Beer from Reclaimed Water**

Check out the video on You Tube, SWFWMD Water Matters TV featuring Nick Makris, Thomas Kiger and Anthony Andrade preparing for the Potable Reuse Brew Competition that took place at the 31st Annual WateReuse Symposium. Their Royal Flush Potable Porter competed against more than 100 entries nationwide.
On July 12, 2016, Region IV hosted a beer bus tour for Presidential Challenge members, new members and Young Professionals. A few Region IV Board members also attended to provide information about our Region and upcoming activities. Twenty people attended the event coordinated by Thirsty Pelican Tours, who was our guide and provided transportation to three breweries. Our beer bus tour started at Ulele Restaurant and Brewery. Brewmaster Tim Shackton provided a tour of the Ulele Brewery and some interesting facts about the building and Princess Ulele. The brewery is part of the Ulele Restaurant which was the former City of Tampa’s Waterworks Building and is capable of producing 15 barrels per brew. Trivia question—how many gallons in a beer barrel? The brewery specializes in fresh-brewed lagers and ales only found at Ulele Restaurant. We were able to sample many of the brews along with some tasty appetizers.

Next stop on our tour was Angry Chair Brewing, a small 10 barrel brewhouse with unique artwork in its tasting room. Although the brewery is small in size, the tasting room has a great selection of beers. A few opted for the sour beers, which the brewery is experimenting with. However, my favorite was the Two Pump Chump Porter (Mmmm!).

After leaving Angry Chair Brewing, we headed to Coppertail Brewing Company. Along the way we had some trivia questions for door prizes. One of the questions was above. Answer—31 gallons to a barrel of beer.

Coppertail Brewing Company was the largest of the three breweries we toured. Its 50 barrel brew capacity and 20 beers on tap made it difficult to choose one. Fortunately they had a sampler flight so you could taste several different beers. With the meter running on the tour bus, we headed back to Ulele’s returning to our starting point. Based on the smiles on everyone’s face, it looked like everyone enjoyed themselves. It was great to see our new members and Young Professionals networking and learning more about Region IV’s activities. Hopefully, they remember the fun times and renew their membership next year!
Middle School | High School Students

Create a team up to 4 students. We are pleased to invite five (5) student teams to participate per school with other middle/high school students in this unique competition.

This competition requires students to design and build a water tower with specific size and height requirements. The models are judged based on 4 categories including cost efficiency, hydraulic efficiency, structural efficiency, and design ingenuity. The judging criteria will be provided with the packet or download the packet from www.fsawwa.org/event/reg4mwtc2016

No cost for teams to enter!

RSVP
Please submit student entry forms by Friday, September 30, 2016

PRIZES
Each contestant will receive an AWWA Certificate of Participation. The top three teams of each division will be awarded.

Location
Walker Middle Magnet School
8282 N. Mobley Road
Odessa, FL 33556

Check-in Time
9:00 - 10:00am | October 22, 2016
Lunch will be provided for the students.

Volunteers
We need volunteers for the judging and festivities the day of the competition. We hope you will be available to help us make this a fun and exciting day for all the local middle and high school students that participate.

Volunteers: Please RSVP by Friday, September 30, 2016

“From Today’s Youth Come Tomorrow’s Leaders- Let’s Lead Some to the Water Profession”

Contact
Shelby Hughes
813-635-5580
shelby.hughes@kimley-horn.com
2016 Region IV & Operators & Maintenance Council Workshop

Tuesday, November 8, 2016 | 8am - 5pm

Topic: Protect & Prevent Workshop

A full day workshop specifically designed for operators and maintenance personnel involved in water transmission & distribution infrastructure protection

Topics | Speakers

Corrosion Control and Condition Assessment
Graham E.C. Bell, PH.D, PE, FNACE, HDR

The program will include detailed technical data, examples and case studies which mutually reinforce the attendees understanding of:
- Four Parts of Electrochemical Corrosion Cell
- Four Methods of Corrosion Control
- Material Differences between Cast and Ductile Iron and Steel
- Concrete Pipe vs Concrete Pipe Materials
- Condition Assessments

6 Steps to Safer Digging – 811
Brad Martin, Sunshine811
- How to Read a Locate Ticket
- Excavator quick Reference
- Emergency Procedures
- Enforcement and Violations/Exemptions

Location
Florida Department of Environmental Protection, Southwest District
13051 N Telecom Parkway
Temple Terrace, FL 33637

Registration
Fee: $65 members | $95 non-members
Participants receive 0.8 CEUs | 8.0 PDHs
(Course: #05100215)

Online registration
www.fsawwa.org/event/reg4protectandprevent

Contact
Nestor Murray
813.353.5714
nestor.murray@arcadis-us.com

Breakfast and lunch provided by the Region IV sponsors.

Thank you FSAWWA Region IV Sponsors
Interested in becoming more active in Region IV?
Contact:
Region IV Chair
Steven King
Black & Veatch Corp.
813.281.0032 kings@bv.com