

FWEA Manasota Chapter

Vol 18 – April 2014

Message from the Steering Committee

By Manasota Chapter Co-Chairs:

Kristiana Dragash, Carollo Engineers and Lindsay Marten, Stantec

Many of us from the Manasota Chapter are deep in Florida Water Resources Conference recovery mode, read on to find out why!

Kicking off the conference on Sunday, Danielle Bertini moderated the environmental section of the Student Design Competition. The University of Miami won the environmental section, and the University of South Florida won the wastewater section. Both teams will be presenting at WEFTEC14 in New Orleans this September to compete against other students on a national level.

It was 5 o'clock somewhere on Monday afternoon, so the YPs (and SPs) from around the state gathered in the Casita Courtyard of Disney's Coronado Springs resort to network and plan future YP events.



Julie Karleskint presented an award on Tuesday at the FWEA awards ceremony for the Public Communications and Outreach Committee, recognizing Greg Kolb of the Florida Water Festival Committee for his contributions to public education as a result of his hard work planning water festivals around the state.



Rebecca Oliva, chair of the Students and Young Professional Committee, presented the new FWEA “YP of the Year” award to Kristiana Dragash to recognize her many contributions to the association. Kristiana was also nominated to the FWEA Board of Directors. She will serve as a “Director-at-Large” (DAL) for the association this year, overseeing the Manasota, Central Florida, and University of Central Florida Chapters, the Wastewater Process Committee, and the Student and Young Professionals Committee. Congratulations, Kristiana!



Kristiana Dragash and Jennifer Nyfennegger presented in a workshop on Tuesday afternoon entitled, “Real Time ATP Monitoring of Biological Communities and Process Control in Water and Wastewater.” After the presentations, there was a hands-on activity where participants measured the adenosine triphosphate concentration in samples from potable water distribution systems and biological filters.

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Continued from page 1

And now for some non-FWRC news. It is time to register for the annual FSAWWA/FWEA kayak trip and picnic to raise money and awareness for Water For People. This year we will be kayaking through the beautiful waters and mangrove tunnels of Robinson Preserve on Saturday, April 26 in Bradenton. Contact Samantha Nehme (Samantha.nehme@stantec.com) today to reserve your spot - space is limited!

In other YP news, Danielle Bertini has been nominated to serve as the vice chair of the FWEA Students and Young Professionals Committee. Congratulations, Danielle! We would like to take this opportunity to encourage all of the Manasota members to find an FWEA committee to get engaged in - there are so many fantastic committees that need your help. Get involved and make the association stronger, and spread your knowledge and enthusiasm throughout our industry!

The Manasota Chapter steering committee keeps growing! We are happy to welcome Kyle Kellogg as our new Public and Education Outreach Coordinator. Kyle will be assisting to coordinate the many outreach activities that we do within the Manasota area.

We are all looking forward to the upcoming luncheon on May 8 at FCCI. Christian Collins of Manatee County, and incoming chair of the FWEA Biosolids Committee, will be presenting on Manatee County's continuous efforts to "be green!"

It is that time of year again - time for our sponsors to renew their support to the Manasota Chapter. Please contact Laura Baumberger (lbaumberger@carollo.com) to renew your company's sponsorship or to become a sponsor. Sponsors have the opportunity to submit articles about local projects to the quarterly newsletter. All of us on the steering committee would like to extend our sincerest thanks to our sponsors for enabling us to better serve the members of the Manasota region. We could not do any of this without your help!

May 1 marks the beginning of a new fiscal year for FWEA. FY13 was a blast and we are all excited to have another outstanding year of interesting quarterly meetings, and fun-filled social and outreach events. We look forward to having you join us at the events this year!

IN MEMORIAM



David Farabee (1953 - 2014)

Sadly, the Manasota Chapter lost a dedicated member and beloved colleague last month, David Farabee. The Manasota Chapter will miss you, David.



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Calendar of Upcoming Events

APRIL

- 6-9** Florida Water Resources Conference, Lake Buena Vista
- 17** ASCE Suncoast Branch Luncheon, Sarasota
- 23** APWA Breakfast Meeting, Sarasota
- 25** FSAWWA Region X Executive Committee Meeting, Sarasota
- 26** FWEA and FSAWWA 5th Annual Water for People Kayak and Picnic, Robinson Preserve, Bradenton

April

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

- 8** FWEA Manasota Chapter Luncheon, Lakewood Ranch
- 10** Booker High School Athletics Golf Tournament, Heritage Harbor, Bradenton
- 15** FES Myakka Chapter Awards Banquet, Bradenton
- 17** ASCE Suncoast Branch Golf Tournament

May

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



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Water For People Kayak & Picnic



Brought to you by: **FSAWWA Region X and FWEA Manasota Chapter**



Saturday April 26, 2014
Robinson Preserve
1704 99th Street NW
Bradenton

Registration

Please return this form no later than April 18th to reserve your paddle. Payment can be made during registration or the day of the event. RSVP to Samantha Nehme, Stantec Consulting, 5172 Station Way, Sarasota, FL 34233 | 941-365-5500 | samantha.nehme@stantec.com Please make checks payable to FSAWWA Region X. Credit card payment is also accepted (email Samantha for the credit card form).

Name(s): _____
 Organization: _____ Phone: _____
 Email: _____
 indicate number of people: Kayak & Picnic _____ Picnic _____ Number of kids _____ Payment Amount \$ _____

Directions:

From I-75 take Exit 220 for SR 64 west. Follow SR 64 west to 75th Street West. Turn north on 75th Street West and drive to 17th Avenue Northwest. Turn left and continue to the end of the street. Robinson Preserve is located on the corner of 17th Avenue Northwest and 99th Street West.

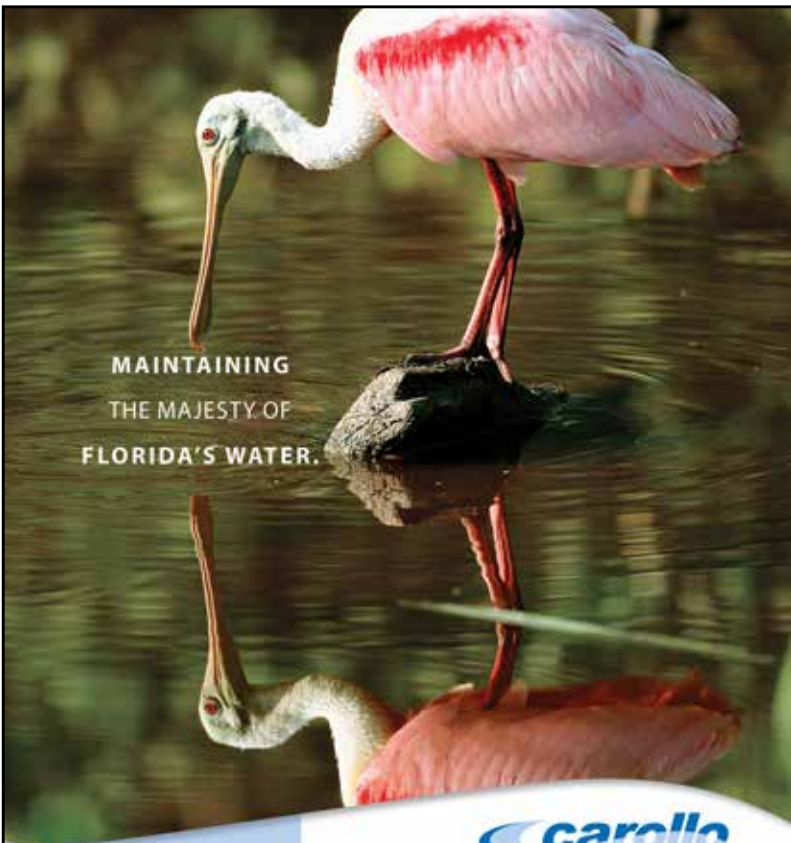
Schedule

9:00 - 9:30	Sign in
9:30 - 10:00	Gear up
10:00 - 11:45	Paddle
12:00 Noon	Lunch

REGISTERED KIDS UNDER 12 ARE FREE!!
 (one per registered adult)
 \$40 per person (includes boating & picnic)
 \$20 per person (includes picnic)

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Consultant's Corner:

Braden River Utilities/City of Bradenton Reclaimed Water Interconnect – Pure Reuse

By Robert J. Halbach, PE - Stantec

Back in 1990, most municipalities providing wastewater service were soon looking for opportunities to beneficially reuse their wastewater effluent, including the City of Bradenton (City). The City constructed a reuse system to serve Pirate City, a minor league spring training baseball complex for the Pittsburgh Pirates, and River Run Golf Links located in eastern Bradenton. At that time, Lakewood Ranch was just starting to be developed with residential and commercial developments that would replace the existing agricultural and ranch uses over time.

Braden River Utilities (BRU) is Lakewood Ranch's utility company, which provides waters for all of the varied uses. BRU's goal was to implement a quality, long-term source of irrigation waters for both agricultural and development interests.

Just a few years ago, Manatee County's comprehensive plan restriction on reuse within the Braden River watershed was removed. The Braden River is the main

drinking water source for the City's system, and a more progressive approach to acquiring reclaimed water for non-potable needs on the Ranch was underway. BRU and the City worked out an agreement to send 6-million gallons per day (mgd) to the Ranch, which would virtually eliminate the City's surface water discharge. A matching grant from the Southwest Florida Water Management District (SWFWMD) was obtained and kicked off a \$13-million project to construct a pump station, approximately 10 miles of 20-inch pipeline, and over 2 miles of 16- and 12-inch mains. Stantec, the Ranch's primary consultant, and Jones Edmunds, the City's primary consultant, teamed in order to provide both BRU and the City with the infrastructure that will make their collective goals a reality.

Stantec designed everything east of I-75, including approximately 6 miles of reclaimed main and the lake discharges at Pope Road. Jones Edmunds designed everything west of I-75, including the 6-mgd pump station and over 6 miles of 20-inch reclaimed main. The pump station is located adjacent to Pirate City and River Run Golf Links. The 20-inch main runs from along 26th Ave East to 45th Street East, to SR 70 to Pope Road.

Some of the issues and challenges we faced during both design and construction phases included:

- ▶ Utility coordination was difficult enough during the expedient design schedule, but one major utility which had many fiber optics and wires within the project area chose to demand payment from BRU to participate. BRU is a member utility of Sunshine One-Call, and chose to deal with them during construction. We gathered every record drawing, GIS file, and any other data available that we could



20-inch fusible PVC staged for HDD pullback during construction.



Consultant's Corner: Braden River Utilities/City of Bradenton [cont.]

By Robert J. Halbach, PE - Stantec

find, and in the end the project did not impact this major utility.

- ▶ Material selection was evaluated and fusible polyvinyl chloride (FPVC) was chosen in combination with open trench installed PVC to facilitate the most economical, easy to construct pipeline. The use of horizontal directional drill (HDD) was extensive and helped to mitigate utility conflicts, minimize traffic impacts, and was used



Braden River Utilities and City of Bradenton reclaimed water main routing.

where the available right-of-way was minimal. Using FPVC allowed for longer bores, using a smaller drill rig than other materials.

- ▶ Eagles were known to nest along Pope Road, which meant construction had to take place after the nesting season, typically between May and October. One nest did not host any chicks, but other eagles decided to nest along the north side of SR 70, just east of I-75. Although our pipeline was being constructed on the south side of SR 70, the hours of construction were still reduced to accommodate the eagles.



Eagles north of SR 70 were monitored throughout construction.

- ▶ While the HDD contractor was drilling the pilot hole under Lakewood Ranch Boulevard, we were informed that a new signalization project was out to bid and included a pole directly in our alignment. Other routing options were evaluated and the HDD design was tweaked and we ended up with almost 2,000 feet of HDD including two compound curves. The original HDD contractor declined to complete the bore. Our team found another company and the bore was completed successfully.

Construction is close to completion, and it won't be long until the City's reclaimed water will be flowing to BRU.

This project is the purest reuse project I have ever been a part of. BRU uses the least desirable water to meet their irrigation needs, offsetting their reliance on groundwater wells. The City ceases to discharge the reclaimed water to the Manatee River, sends it to BRU, and it ends up as an indirect replenishment of the City's drinking water source.

BRU and the City of Bradenton were recently awarded the Project of the Year by our local Suncoast ASCE Branch, to recognize their efforts.

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FSAWWA Region X Executive Committee Meeting

The next Region X Executive Committee steering meeting is open to everyone who wishes to be involved as we will be setting agenda for the year and looking to fill key committee positions.

Those interested may contact Seton Katz with questions or to RSVP at skatz@scgov.net (941) 861-0879.

When April 25, 2014, Noon

Where 100 Paramount Dr, Sarasota, FL 34232

RSVP now
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your spot!

FWEA Manasota Chapter Steering Committee Officers

Co-Chairs

Kristiana Dragash: 941.371.9832
Lindsay Marten: 941.225.6178

Treasurer

Todd Bosso: 813.371.9400

Secretary

Linda Maudlin: 941.378.3579

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Kyle Kellogg: 941.225.4823

Communications

Rachel Cantor: 813.286.2075

Membership

Mike Jankowski: 941.708.7450 ex 7663

At-Large

Seton Katz: 941.861.0879
Len Bramble: 941.480.3333
Jeff Goodwin: 941.792.8811
Chuck Hlavach: 941.915.4861

Young Professionals Coordinator

Danielle Bertini: 941.225.6178

Professionals Society Liaison

Chris Sharek: 941.225.4825

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We are currently seeking additional At-Large Members.*

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Being Green - A Look at Manatee County Utilities

Landfill Gas, Reclaimed Water, Recycling, LED Lighting, and Centrally Controlled Thermostats - Manatee County Strives to Stay Ahead of the Energy Eating Demons that Attack Utility Departments.

by Christian Collins - Manatee County Biosolids/Reclaim Supervisor

Abstract

Manatee County has many facilities, all of which use an enormous amount of power to operate. Instead of just cutting a check to the power company every month, Manatee County continually looks for ways to save on power costs. From a project as large as a methane gas generator that powers an entire wastewater plant to projects as small as timers on lights in buildings, Manatee County strives to find ways to save electricity. Manatee County also strives to educate the public on water conservation and recycling through TV commercials, flyers, and public outreach events. Since starting these energy saving efforts in 2009, Manatee

County has saved millions of dollars each year on projects that could be done in most utility systems.

Christian Collins

Christian Collins has been in the water/wastewater industry since the time he could walk. His family owned Sunshine Utility in Palmetto, Allen's Environmental in Orlando, and Mad Hatter Utilities in Pasco County. He has worked for Manatee County since 1996 and currently manages everything that leaves the wastewater plant (e.g., biosolids and reclaimed water). He remains an active member in several professional organizations and is currently the FWEA Biosolids Committee Chairman.



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FWEA MANASOTA CHAPTER LUNCHEON MEETING

FCCI Insurance Group Catering Facility

6300 University Parkway, Sarasota, FL 34240

Registration - 11:30 • Lunch and Program - 12:15

Members: \$15 • Non-members: \$20

Menu: Burger sliders, grilled cheese sliders, vegetarian pasta salad, potato salad, green salad, grilled chicken breast, fruit salad, cookies, soda, and water

You can register online at www.fwea.org or register by phone, fax, or e-mail to Linda Maudlin

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