

# FWEA Manasota Chapter

Vol 17 - February 2014

## Message from the Steering Committee

*By Lindsay Marten, EI, LEED AP, Stantec  
Co-Chair, Manasota Chapter*

After ringing in the New Year, the Manasota Chapter has been hard at work planning a handful of fun and exciting events for 2014.

The 11<sup>th</sup> annual AWWA Model Water Tower Competition took place on January 25, 2014 from 8:30 AM to 1:00 PM at the new Manatee Technical Institute in Bradenton. Water quality professionals from the community joined forces, including members from our very own Manasota Chapter, to help plan and partake in this national event. The competition introduced students to water issues and water professionals from their community by challenging them to design and construct miniature water storage towers. Students creatively constructed the models themselves, while taking into account structural, hydraulic, and cost efficiency, along with design ingenuity. Involvement also showed students the countless opportunities available in this valuable field. The activities, participation gifts, and prizes made the contest an enjoyable learning experience for everyone.

The FWEA Leadership Development Workshop is scheduled for February 6-7, 2014 at the Shores Resort and Spa in Daytona Beach Shores. The workshop will concentrate on equipping and developing leadership skills among FWEA's current and incoming volunteer leaders. The focus of this workshop for the 2014-2015 Association year is "Advancing the Profession," which involves raising the profile of water quality professionals. It also involves developing a greater understanding inside and outside of our industry of the incredible value and importance of what we do for the environment and for public health. Both Kristiana Dragash and Lindsay Marten will be attending the workshop on behalf of the Manasota Chapter. To kick off the New Year, Lindsay has recently been inducted as the co-chair of the local Chapter.

The first luncheon of 2014 will be held on February 27, 2014 at FCCI Insurance Group. Julie Karleskint with Hazen and Sawyer will be presenting on a new water treatment plant and process for the City of Arcadia.

The West Coast Chapter is hosting the Florida Water Festival at Spa Beach Park in St. Petersburg on March 22, 2014 from

*Local water professionals test entries at the 11th Annual AWWA Model Water Tower Competition on January 25, 2014.*



*Continued from page 1*

9 AM – 3 PM. This free-to-attend premier event is designed to educate the public at large of the importance of protecting our water resources. There will be lots of activities for everyone, including a Walk for Water, music, and interactive demonstrations on water quality sampling and testing, how water reclamation systems work, a biosolids exhibit, and water saving tips and tools, just to name a few. There will also be a Student Design Competition featuring students from local schools. We are looking for volunteers to help with the event so please contact Danielle Bertini (Danielle.bertini@stantec.com) if you are interested in volunteering.

The FWEA and AWWA joint Water For People Kayak and Picnic event is scheduled for April 26, 2014 at the Phillippi Creek Estate Park. The Silent Sports Outfitters of Nokomis will be providing kayaks and guides to

ensure that participants have a safe and enjoyable time on Roberts Bay. Following the kayak tour, delicious food and cold beverages will be provided, accompanied by outdoor games and music. The event brings friends, families, and members of the water profession together while raising awareness and funds for Water For People. More event details and registration information to come! Please contact Lindsay Marten (lindsay.marten@stantec.com) for event and registration information.

The Chapter is off to a great start in 2014. On behalf of the FWEA Manasota Chapter, we would like to thank all of the participants, volunteers, presenters, and sponsors for making these events possible. Be on the lookout for more great opportunities and occasions to come throughout 2014!

***The Manasota Chapter is in search of Project Spotlight articles for future newsletter editions.***

***Chapter sponsors are encouraged to submit an article highlighting a local project. Please contact***

***Laura Baumberger at [lbaumberger@carollo.com](mailto:lbaumberger@carollo.com) or 941-371-9832 for more information.***



**ATKINS**

Engineering  
Construction  
Environmental  
Architecture

## Innovative solutions that protect Florida's waters

Clean water. A basic necessity that we can't live without but often take for granted. From our earliest days, Atkins has partnered with clients to develop and maintain safe and adequate water supplies. Planning today for your peace of mind tomorrow.

- Alternative disinfection processes
- Aquifer storage and recovery
- Asset management
- Cathodic protection/corrosion control
- CMOM compliance assistance
- Collection and distribution
- Facilities planning
- Groundwater hydrology
- Hydraulic modeling
- Instrumentation and controls
- Large diameter pipeline design
- Membrane technology
- Operations and maintenance services
- Rate and impact analysis
- Regulatory compliance
- Risk management evaluations

**Plan Design Enable**

[www.atkinsglobal.com/northamerica](http://www.atkinsglobal.com/northamerica)

**800.477.7275**



Stantec

Our work  
has a lasting  
ripple effect

Design with community in mind

[stantec.com](http://stantec.com)

# Calendar of Upcoming Events

## FEBRUARY

- 6-7** FWEA Leadership Development Workshop, Daytona Beach Shores
- 7** FES Myakka Chapter Mathcounts Competition, Sarasota
- 13** FES Myakka Chapter Luncheon, Lakewood Ranch
- 13** FWEA West Coast Chapter Luncheon, Tampa
- 16-22** National Engineers Week (Eweek)
- 18** FSAWWA Annual Legislative Day, Tallahassee
- 21** Suncoast ASCE LeBarge Social Event, Sarasota
- 22** Suncoast ASCE Toothpick Bridge Contest

**February**

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	

- 25** WEF/AWWA YP Summit, Savannah, GA
- 27** FWEA Manasota Chapter Luncheon, Lakewood Ranch

## MARCH

- 12** FES Myakka Chapter Luncheon, Lakewood Ranch
- 22** FWEA West Chapter Florida Water Festival, St. Petersburg

**March**

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					



**378 Interstate Court**  
**Sarasota, FL 34240**  
**(941) 379-3404**

Additional offices: Clearwater • Daytona Beach • Deland • Fort Myers • Palm Coast • Tampa

www.mckimcreed.com EOE M/F/D/V



## Shaping the Future

### Consulting Engineering Services

- Water Supply
- Wastewater
- Reclaimed Water
- Water Resources

380 Park Place Blvd, Suite 300  
 Clearwater, FL 33759  
 727.531.3505

22 Sarasota Center Blvd.  
 Sarasota, FL 34240  
 941.377.9084



MAINTAINING  
THE MAJESTY OF  
FLORIDA'S WATER.



Engineers...Working Wonders With Water®

In an era when less must do more, Carollo can help make the most of your investment. Contact us today, and together we'll help solve your toughest water challenges...right now.

carollo.com

**Broward County** | 954.837.0030  
**Miami** | 305.716.4279  
**Orlando** | 407.478.4642  
**Palm Beach County** | 561.868.6400  
**Sarasota** | 941.371.9832



Two-thirds of our planet is made up of water. Naturally, it takes a global company to care for it.

Whether the issue is water treatment, water supply, coastal management, or worldwide climate change — solving the challenges of water is what we do best. For over a century, our experts have used insight and innovation to solve our clients' water problems.

Now, with the fusion of ARCADIS and Malcolm Pirnie, we can bring our unmatched global resources to bear on your water project. Using a comprehensive, results-driven approach based on broad experience in water management and treatment, we create lasting solutions, sustainable quality and ecological balance in both the business and natural worlds.

[www.arcadis-us.com](http://www.arcadis-us.com)

Imagine the result



Engineers | Scientists | Consultants | Constructors



©2013 Brown and Caldwell



Sarasota | Tampa | 941.373.1338 | Offices Nationwide  
BrownandCaldwell.com



WE UNDERSTAND  
UTILITY OPERATIONS

**The Severn Trent Services Advantage:**

Severn Trent Services understands water and wastewater treatment plant operations. From the plant to the home and back again, Severn Trent is responsible for operating, maintaining and managing over 60 facilities in Florida through public-private partnerships. It is this understanding that allows us to provide safe drinking water and compliant wastewater treatment to nearly 1 million Florida residents.

To partner with Severn Trent Services, call +1 941 925 3088 or visit [www.severntrentservices.com](http://www.severntrentservices.com)

UNDERSTANDING  
A VALUABLE RESOURCE



## FWEA Manasota Chapter Steering Committee Officers

**Co-Chair**

Kristiana Dragash: 941.371.9832  
Lindsay Marten: 941.225.6178

**Treasurer**

Todd Bosso: 813.371.9400

**Secretary**

Linda Maudlin: 941.378.3579

**Content/Newsletter**

Laura Baumberger: 941.371.9832

**Webmaster**

Michael Wicker: 941.926.6606

**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

*If you are interested in joining the Steering Committee, please contact us.  
We are currently seeking additional At-Large Members.*

**listen. think. deliver.®**

Water  
Environment  
Transportation  
Energy  
Facilities

**CDM  
Smith**  
cdmsmith.com

Offices worldwide



**GREELEY AND HANSEN**

*Designing better urban environments*

water

wastewater

water reuse

**Tampa** (813) 873-3666

**Sarasota** (941) 378-3579

**Ft. Myers** (239) 226-9660

[www.greeley-hansen.com](http://www.greeley-hansen.com)

### Excellence through Innovation

Solutions for Florida's Infrastructure



**JONES  
EDMUNDS**



**Improving Quality of Life**

[www.jonesedmunds.com](http://www.jonesedmunds.com) • 1.800.237.1053



**King**  
ENGINEERING ASSOCIATES, INC.

Civil • Environmental • Transportation • Planning  
Ecological • Landscape Architecture • Surveying

**Serving Florida's water environment since 1977**

Sarasota • Tampa • Miami • Jacksonville • Austin • Dallas

[www.kingengineering.com](http://www.kingengineering.com)

941.358.6500

## *A New Water Treatment Plant and Process for Arcadia*

*by Julie Karleskint, P.E. - Hazen and Sawyer*

### *Abstract*

The City of Arcadia, Florida, recently completed construction of a new 1.5-mgd Ion Exchange Water Treatment Plant to replace their lime softening water treatment plant, which was nearing the end of its serviceable life. The new plant is utilized for the treatment of groundwater from the intermediate aquifer for the removal of radionuclides, hardness, total organic carbon and sulfides. Prior to constructing the new water treatment plant, Hazen and Sawyer evaluated several treatment technologies including lime treatment, nanofiltration, ion exchange and purchase from the local water supply authority. Based on this evaluation and pilot testing, it was determined that ion exchange would be the most cost effective option for the City to meet water quality standards and provide optimum water quality.

However, one of the biggest concerns in using the ion exchange treatment was the disposal of the brine waste stream, which is a byproduct of the regeneration process. Salt is utilized for regenerating the ion exchange resin and the waste stream is then discharged to the wastewater collection system for disposal at the City's Wastewater Treatment Plant. By utilizing a biological process in the anion exchange units, the use of salt is minimized and there have not been any significant impacts to the wastewater treatment plant process due to the WTP operation. The new treatment plant commenced operation in early 2013 and since that time

has consistently met drinking water standards while the city continuously works to optimize the plant and the staff adapts to a new treatment process.

### *Julie Karleskint*

Julie Karleskint, P.E., is a Senior Associate with Hazen and Sawyer, having managed their Sarasota office for the past 7 years. She has 30 years of experience in the utility engineering and operations and is active with many professional organizations including WEF, AWWA and ASCE. She holds degrees in environmental science, civil engineering and environmental engineering from the University of Oklahoma, University of Kansas, and Oklahoma State University.



**HAZEN AND SAWYER**  
Environmental Engineers & Scientists

**Engineering Excellence**  
*Providing Customized Solutions  
to Environmental Challenges*

Hollywood • Coral Gables • Boca Raton • Fort Pierce  
Sarasota • Tampa • Orlando • Jacksonville  
[www.hazenandsawyer.com](http://www.hazenandsawyer.com)

### **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:** Chicken Francaise, Fresh Vegetables, Au Gratin  
Potato, Chicken Ceaser Salad, Chef's Dessert

You can register online at [www.fwea.org](http://www.fwea.org) or register by phone, fax, or e-mail to Linda Maudlin  
2601 Cattlemen Road, Suite 100, Sarasota, FL 34232

Ph: 941-378-3579 • Fax: 941-378-9489 • E-mail: [lmaudlin@greeley-hansen.com](mailto:lmaudlin@greeley-hansen.com)