

The Official Publication of the Florida Irrigation Society

# PIPELINE

Spring 2014  
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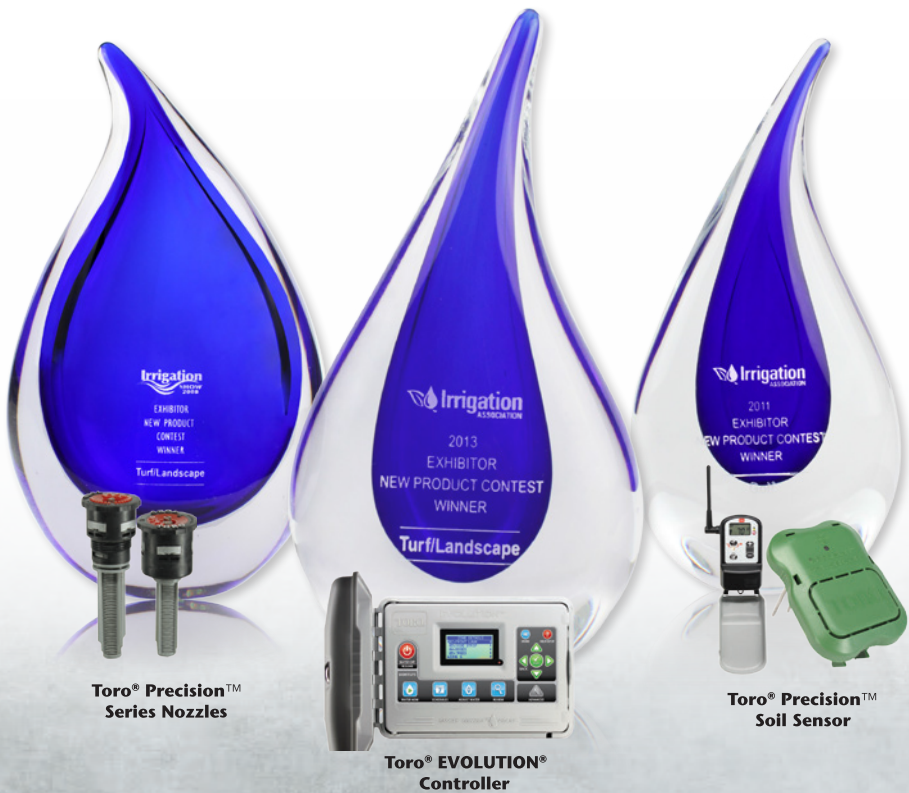
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The Official Publication of the Florida Irrigation Society

# PIPELINE

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To My Fellow  
Irrigation Related  
Professionals,

I would like to thank you for your trust at putting me at the helm of the Florida Irrigation Society. Our dedicated past president, Tom Super, and the previous administrations have worked very hard at getting our industry to the point where we are today with statewide licensing finally going into effect last year. Even though it is voluntary now, this is the first step towards making it a mandatory requirement for irrigation professionals. We have been receiving a lot of calls as to how to go about getting your state license. Every call, email, and inquiry is a big step to substantiate the support in our industry to mandate a state license. So please, keep the calls and interest coming.

We are also getting calls from other interested parties wanting to know about our licensing and other credentials so that only statewide licensed contractors will be performing their work. I urge you to take those tests, go to the classes, and start the process with the state to obtain your state license. Make sure you read the requirements of the state so



## PRESIDENT'S MESSAGE

that once you have passed the tests you can breeze through the state's process. Statewide, I know some of you have had a rough 2013. Spring is almost over and summer is coming upon us so you should already be busy. Commercial and residential construction is booming and there is going to be a considerable amount of damage from the cold, which will require your attention and professionalism. In closing, have a great season and be safe.

Jeff Davidson  
President

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Martin Munoz  
13 years



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### Legislative News Update

By Diana Ferguson, Esq.  
Rutledge Ecenia, P.A.

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With the legislative session winding down, it has been very busy in Tallahassee. As many of you have probably seen in the news, water is getting a lot of attention in legislative committees. The Senate will be filing springs legislation to address water quality in Florida's springs. The plan includes \$380 million to move residents from septic tanks to central sewer systems. The House, while sensitive to springs issues, does not appear receptive to the specific plan being offered by the Senate. Both chambers will be discussing appropriations for several natural resource items, which is likely to include funding for springs, but also the Indian River Lagoon and potentially other resources such as Apalachicola Bay. It is not clear what legislation, if any, will move forward; however, there will be much discussion and debate on this in the coming weeks.

It is clear that the House and Senate will be funding water projects, which include drinking water, stormwater, and wastewater projects for cities and counties. Governor Scott vetoed a significant number of projects last year and has made it clear that this money should be put toward projects that provide an extraordinary benefit that has a statewide impact.



Additionally, the Water and Land Legacy Amendment has generated some buzz in Tallahassee now that it has received final approval and will appear on the ballot. This proposed constitutional amendment would require the top one-third of documentary stamp tax revenues to be spent on environmental programs. There is some opposition to this proposal because it ties the hands of the legislature in making appropriations decisions, but there


### Legislative News Update

is also already much speculation and discussion regarding how the money should be allocated if the amendment passes.

With water being a priority for several legislators and members of leadership in particular, it is imperative that FIS continue to get its message out about the role it can play in water conservation. To that end, I have briefed several legislators on this. We must continue the dialogue over time and it must be happening at the grassroots

level. It is critical that we engage FIS members to talk with their own elected officials about this and the need for a statewide regulatory program that is mandatory in nature. Elected officials need to understand that this impacts constituents in their own districts.

With this year's legislative proposals already well underway and with water likely to be an ongoing topic of legislation next session and beyond, this summer will be the perfect opportunity to continue



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### Legislative News Update

spreading the word in an organized manner and generating support for mandatory regulation of irrigation contractors going forward. There is no need to wait. If you have the opportunity to speak with one of your elected officials about this issue now, take it! If each FIS member committed to having one conversation with a legislator at a town hall or at an appointment in the District Office, it would mean hundreds of conversations about this topic. We have to keep the

discussion going and the topic fresh in the minds of legislators. Another way to do this is for FIS members to receive the statewide voluntary certification offered by DBPR. If significant numbers of contractors begin taking advantage of this, it will show an interest in the industry for a set of statewide rules.

I look forward to continuing to help FIS get its message out and working toward statewide regulation.

### Northeast Chapter

The FIS Licensing Fund increased by \$1,000 thanks to a generous donation from the FIS Northeast Chapter Board and members. Thank you Northeast!

The Northeast Chapter announced their 2014 Board as the following: Kirk Wurster, President, Shawn

Thomas, Vice-President, Kevin Valentine, Secretary, Robert Sanford, Treasurer, Charles Benninger and Scott Houlihan, At-Large.

The Chapter meets the 3rd Tuesday of every month at various locations.

# CHAPTER & INDUSTRY NEWS

## Volusia Chapter

Volusia County elected the following as their 2014 Board at the January meeting: Hugh Young, President, Steve HineLine, Vice-President, Randy Heimsoth, Secretary, Dale Nimmo, Treasurer, and Hank Beazley, Director.

The Chapter meets the 2nd Tuesday of every month at 6:30 p.m. at the Clubhouse Restaurant, Daytona Beach Country Club, Daytona Beach.

During the holiday season, the chapter purchased four bicycles and a stroller for Salvation Army Christmas Angel families.



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# Are Smart Controllers Viable For Landscape Water Conservation in Central Florida?

**Stacia L. Davis, M.E. E.I.T.**

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Smart irrigation controller technologies are becoming more popular in Florida. Due to increasing popularity, it is important to determine if these technologies can be implemented widely in Florida to provide reductions in potable water demand while maintaining good quality landscapes. Two types of smart controllers, the ESP-SMT (Rain Bird, Azusa, CA) ET controller and the Watertec S100 (Baseline, Inc., Meridian, ID) soil moisture

sensor (SMS), were studied to determine whether they can reduce irrigation application of high water users located in unincorporated Orange County. All participants were customers of Orange County Utilities, which services unincorporated Orange County.

The ESP-SMT directly measures temperature and relative humidity to estimate evapotranspiration (ET) and measures rainfall using a tipping bucket rain gauge (Fig. 1). In combination with individualized programming of landscape characteristics for each zone, irrigation is scheduled based on ET and rainfall. The Watertec S100 measures volumetric water content through time-domain-transmissometry (TDT) technology (Fig. 2). This technology uses the electrical properties of the soil, water air system to determine moisture content since in most soils water is the dominant component that determines electrical resistance. The sensor bypasses scheduled





**Figure 1.** The components of a Rain Bird ESP-SMT include A) the irrigation controller that replaces the timer and B) an independent weather station that replaces the rain sensor (still pictured) on the roof eave.

irrigation events when the measured soil moisture is greater than the threshold. The study design includes five treatments where four treatments received one of the smart technologies and exemptions from watering restrictions. The final treatment is a “typical” irrigation system and landscape. All homes have dedicated irrigation meters.

Half of the participants receiving smart technologies also participated in an on-site training session that included programming optimization and supplementary educational materials. For the ET controllers, general programming changes

made during the on-site visit included limiting irrigation to 3 days per week and customizing application rates and plant types. The on-site training session for SMS involved updating timer settings to apply 0.25 inches of irrigation, twice per day, three days per week, unless bypassed by the sensor. Additionally, the installer was asked to bury the sensor by inserting into the soil column at a 3 inch depth for all cooperators selected to receive



**Figure 2.** The Baseline Watertec S100 soil moisture sensor was A) buried in the ground and the B) sensor controller was added to the current timer to bypass irrigation events when the soil was too wet.

the on-site visit. Those with SMS but did not receive an on-site visit were installed using the contractor-selected methodology that included loosely packing the soil around the sensor in a hole at a 6 inch depth (Fig. 3).



**Figure 3.** The Baseline Watertec S100 soil moisture sensor was buried in a trench at a 6 inch depth chosen by the irrigation contractor.

Potential cooperators for this study included customers with excessive irrigation. High irrigation users within unincorporated Orange County were targeted by comparing their monthly historical irrigation, based on 2003 to 2009 billing data, to estimated gross irrigation requirements. Homeowners with ratios of irrigation to the estimated requirement greater than 1.5 (i.e. 50% more irrigation than necessary) and less than 4 narrowed recruitment to customers with habitual over-irrigation while

eliminating outliers with extenuating circumstances (ratio > 4).

Out of the 843 respondents to the sign-up questionnaire, homeowners were immediately removed as potential participants if they did not have an automatic irrigation system using the potable water supply. Additional requirements included owning the home for more than two years and being a year-round resident. Additionally, some homeowners chose to be removed from the study due to misunderstanding the program or commitment requirements of the study.

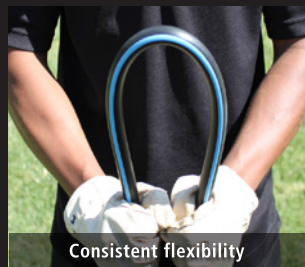
From the remaining respondents still eligible, potential cooperators were grouped to facilitate site visits and to avoid weather variability which could occur with sites too far from one another. Irrigation evaluations were performed to determine current timer schedules, any problems with the systems, and irrigated areas for more accurate predicted irrigation ratios. Potential cooperators were removed if they had a major problem or multiple minor problems with the irrigation system. Minor problems included issues that produce low volume losses such as sprinkler leaks or clogs whereas major problems

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included issues that produce high volume losses, faulty wiring, or solenoid problems.

Cooperators were selected from within nine location clusters in Orange County where six locations were predominantly flatwoods soils and the remaining three locations were considered sandy soils. The six flatwoods locations contained all five treatments replicated four times totaling twenty cooperators per location. Not enough cooperators were available in the sandy soil locations resulting in modified treatments. At two locations, the technology treatments without the on-site visit were removed leaving two treatments that each received technologies and on-site visits and the monitored only group. One sandy soil location had enough cooperators for all treatments, but the monitored only group had three replications instead of four. Overall, there were a total of 167 cooperators and treatments were installed from 23 March 2011 through 23 February 2012.

Of the 291 evaluated homes, the average number of zones per home was 4.4 and the average area per zone was 1,050 ft<sup>2</sup>. A majority of the potential cooperators follow the day of the week watering

restrictions with a maximum of 10% in violation at any one location. This suggests that following watering restrictions is important to homeowners in unincorporated Orange County.

There were a total of 424 minor problems and 61 major problems found across all 291 evaluated homes (see Table 1). Though there were some homes that did not have any problems, many homes had multiple minor problems indicating maintenance neglect. Common locations for minor problems were along high traffic areas like the roadway, sidewalk, and driveway. Though there were fewer major problems, most homes that had a major problem also had multiple minor problems. Potential cooperators that had major and minor problems and were reluctant to fix them or the problems were long term issues were removed from the study. Potential cooperators that had multiple minor problems but had good landscape quality were asked to make repairs to their system to remain in the study. Improper maintenance of irrigation systems such as neglect of broken sprinkler heads or pipe leaks can significantly increase average household water consumption over time. There was significantly more

maintenance issues found during irrigation evaluations than was expected. Many homeowners would benefit from regular maintenance on an annual or semi-annual basis.

Initial results suggest that the smart technologies are applying significantly less irrigation than the comparison homes with the SMS treatments exhibiting the most water savings. Irrigation application for the comparison group in some locations averaged the annual irrigation requirement, calculated from historical ET and rainfall, within only a few months' time. Currently, there seems to be no

significant differences in irrigation application as a result of the on-site training. However, these results are preliminary since initial data collection efforts contain only a few months of data. Data collection will continue for a minimum of one year to evaluate overall performance under various weather conditions common in Florida.

The University of Florida would like to thank the following funding agencies associated with this study: Orange County Utilities, St. Johns River Water Management District, South Florida Water Management District, and the Water Research Foundation.

<b>Location</b>	<b>Number Evaluated</b>	<b>Number in Treatment</b>	<b>Minor Problems</b>	<b>Major Problems</b>
Hunters Creek Area	54	40	58	10
Keenes Pointe Area	37	19	54	7
N. Tanner Rd Area	29	15	36	8
Turtle Creek Area	28	20	34	2
Waterford Lakes Area	96	60	183	22
Sweetwater Country Club (Apopka)	16	13	17	7
Not grouped	31	0	42	5
Total	291	167	424	61

**Table 1.** Count of major and minor problems found when evaluating potential cooperators.

# State Irrigation License Prep Classes

## Travel Throughout State

FIS developed a series of Irrigation licensure preparation workshops for irrigation contractors seeking the voluntary State License. There are two exams required for licensure: Business and Finance and Trade (Irrigation concepts). FIS contracted with an experienced instructor, Stuart McConnell of BTS in Sarasota, to teach participants how to take the State exams. To date classes were held at the University of Florida, Gainesville; Tampa Bay Water, Clearwater; UF/IFAS Florida Extension Office, West Palm Beach. The next classes are scheduled in the Panhandle at the UF/IFAS Florida Extension Office in Crestview, June 23-25. Registration is still open. A thank you goes to Hunter, Toro, TWC, Scarr Agency, and Ewing, for their generous support of breaks, lunches and continental breakfasts for participants.

Professor Michael Dukes made special arrangements for the Gainesville workshop participants to take a break from studies to tour the IFAS Tree Research Center at the University of Florida. The tour included a look at the plots that are demonstrating and tracking water use for Florida Water Star landscapes. Tour guides Dr. Dukes and Tom Shannon pointed out the equipment being tested and a description of the research. Equipment at the site was donated by the following FIS supporters: Bill Hutcheon, Antelco; John Dubose, Baseline; Julio Santiago, Ewing; Bruce Werner, Hunter; and David Hammond, Netafim.

Watch for more Exam Prep Classes coming late summer and early Fall or contact the FIS office to schedule one in your area.





## NEW LOCATION FLORIDA PANHANDLE

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# EXAM PREP WORKSHOPS FLORIDA IRRIGATION CONTRACTOR LICENSE

FIS is sponsoring Exam Preparation Workshops for the required exams (not the city/county exam) needed to obtain a Florida Irrigation Contractor license. Join a class designed for irrigation contractors who may have similar concerns and questions in preparing for the exam. Sign-up for one or both!

**REGISTER EARLY:** Classes limited in size to allow for personalized instruction.

**WORKSHOP DATES/TIMES:** 8:00 AM – 5:00 PM CDT, Monday & Tuesday, June 23-24, 2014 (Business and Finance)  
8:00 AM – 5:00 PM CDT, Wednesday, June 25, 2014 (Technical)

**LOCATION:** Okaloosa County Extension Offices, 3098 Airport Rd., Crestview, FL 32539  
Continental Breakfast Provided Courtesy of Ewing.

**FEE:** Technical Workshop - \$495  
Business and Finance Workshop - \$550

Workshops include: Live instruction by experienced exam prep instructor who has passed the license exam. Study guides. Continental Breakfast each day of the workshops and breaks sponsored by NW FIS Chapter/Ewing Irrigation.

**NO PASS GUARANTEE:** If attendee fails the exam(s), he/she may retake the workshop(s) at no cost.

**TOPICS COVERED IN WORKSHOPS:** General review of content areas on the irrigation exam, differences between the counties and Florida exam, test-taking strategies, simplified method to perform math calculations, how to tab books for easy reference during exam, best use of time during exam, practice exams.

**BOOKS:** The Irrigation Contractor licensing exam is an open book exam. Books allowed as reference during the State Exam must be brought to the workshop for use during the session(s). A list of bookstores where you can purchase the books is available on the FIS website or by contacting the FIS Office.

**SUGGESTED LODGING:** A discounted rate has been negotiated at an area hotel for any attendee needing overnight lodging. Please call the FIS office to reserve your room.

## REGISTRATION

**SELECT WORKSHOP(S) ATTENDING:**  BUSINESS/FINANCE - JUNE 23-24, 2014  TECHNICAL - JUNE 25, 2014

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**COMPANY:** \_\_\_\_\_

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**PAYMENT METHOD:**  CHECK  CREDIT CARD  TOTAL AMOUNT DUE \_\_\_\_\_

**CANCELLATION POLICY:** Fee minus \$25 processing charge refunded if written cancellation received by June 16, 2014. Written cancellations received after June 16 will be subject to a 50% nonrefundable fee. No refunds for no shows.

Questions? Call the Society or visit [www.fisstate.org](http://www.fisstate.org)  
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# Business Relationships are Worth More Than You Think

Recently I looked at the list of customers we supply products to and I began to wonder, "How many of them consider us their partner?" I looked up the definition. Webster defines it as, "one who joins in an activity with another or others; a player on the same team." Hmmm? How many do I consider our partner? More importantly, how many consider us as one?

It's an ongoing process to analyze customer relationships that work and those that need improving. The list of factors that determine success are similar for both of us but the VALUE placed on each topic varies widely depending on which side of the sales counter you sit on. There have been numerous surveys and tests given to this subject but let's consider a couple of conflicting #1's from a dozen or more possible items for a minute.

The obvious important factor, a customer from any industry will say, is PRICE. It's further revealed that when more options are given on a sheet of paper, price falls to a lower importance factor. It's a great exercise to consider how much

you pay for something opposed to things like:

- Is it in stock? What's worse than driving across town to use a coupon at a shoe store only to find out they don't have it in your size. Did price matter?
- Is it the right product to do the job? Bell peppers may be cheaper than Chile peppers but they probably ruin your salsa. Did price matter?
- Do you have to go get it every time? Pizza deals are best when you use your gas and time to pick them up. Did price matter?

Consider all of the aspects of SERVICE in the same scenarios. How much more satisfied are you when you get what you want, for a price you expect to pay, and you don't have to do all of the work to get it? Included in the importance of service are things like:

- Education. Does your provider supply you with technical support and solutions?

- Selection. It may be cheaper but is it the best choice for the situation?
- Problem solving. How satisfied are you in how obstacles are overcome?

Just like you, we hate to lose an order or contract when price is the only consideration. Most of us work hard at being honorable business people with sincere ethics to do things right. Price hounds stomp on the professional presenter and invade our desire to make a living.

When a sales pitch begins with, "I can beat that price" take pause to decide if he's partner material.

Partnerships work best when similar values are placed on the needs and expectations of both parties. BTW – we have a lot of great partners!

Article by Kevin Colesworthy,  
Sales Manager, TWC Distributors

## What Were They Thinking?

Up, down and all around where the pipe goes nobody knows!

Caught on camera was an "innovative" installation worth a smile or two!

Share your "What Were They Thinking" pictures for future Pipeline issues by sending to [charris@fisstate.org](mailto:charris@fisstate.org).



# FIS Installs New President

Jeff Davidson, Davidson Landscape and Irrigation, Valrico, was installed as the 2014-2015 President of the Florida Irrigation Society (FIS) during the Winter Board Meeting in Gainesville. He received the official gavel from outgoing President Tom Super, Nature's Blueprint, Ft. Myers. Super was presented a plaque of appreciation for his service to FIS. Other officers installed were: Vice President, Spencer Phillips, Horizon Distributors, Boynton Beach; Secretary, Scott King, Preferred Building Systems, Cape Coral; and Treasurer, Andy Voelz, Toro, Bradenton. Congratulations to the new FIS Leadership Team!



Jeff Davidson (left) and Tom Super (right)

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# Florida Initiates Sales Tax Holiday for WaterSense Products

A bill was passed in the recent legislative session (HB 5601) allowing no sales tax be collected on the first \$1,500 of the sales price for a new ENERGY STAR product or WaterSense product during the

period beginning on September 19, 2014, and ending on September 21, 2014. Take advantage of this period to increase sales to your clients!

## Products eligible for this holiday are:

### ENERGY STAR

- Room air conditioners
- Air purifiers
- Ceiling fans
- Clothes washers
- Clothes dryers
- Dehumidifiers
- Dishwashers
- Freezers
- Refrigerators
- Water heaters
- Swimming pool pumps
- Light bulbs

A person is limited to a single purchase for each specific type of item listed above with a sales price over \$500 during the holiday. A second purchase of the same type of product will be subject to tax

### WaterSense

- Bathroom sink faucets
- Faucet accessories
- High-efficiency toilets and urinals
- Showerheads
- Weather or sensor-based irrigation controllers

on the entire price. Yes, a little confusing, so be sure you apply the exemption correctly or you will be paying the tax instead of your customer.

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FOR IMMEDIATE RELEASE:

# FX Luminaire Introduces Luxor Wireless Lighting Control

*Wi-Fi System Allows Users to Operate Landscape Lighting Using a Smartphone or Tablet*

**SAN MARCOS, Calif - January 15, 2014**

- FX Luminaire proudly announces the release of its new Luxor Wi-Fi system, offering wireless lighting control from a smartphone or tablet. Using the Luxor App and an available Wi-Fi signal, zoning and dimming can be controlled with iOS and Android devices for on-the-fly adjustments.

“Luxor Wi-Fi gives users the ability to set their lighting levels as needed, right from their phone. For example, the lights can be initiated immediately when walking outside to have dinner or going to the pool, then dimmed to set a mood, then returned to the normal schedule later,” said James Helms, FX Luminaire product manager. “Luxor lighting extends the living space into the outdoors, but the new Wi-Fi capability makes it so much more flexible. Users can change and adjust lighting themes instantly, which is perfect for all types of entertaining occasions.”

The Luxor Wi-Fi system consists of three parts: a Wi-Fi Module that links Luxor ZD controllers to iOS & Android smartphones and tablets using the Luxor Wi-Fi App, the Light Assignment Module (LAM) which allows smartphone or tablet group assignment of every fixture attached to a Luxor ZD system, and a new indoor facepack mount that



**FOR IMMEDIATE RELEASE:**

allows the Luxor ZD facepack to be remotely mounted inside a home or garage.

All three pieces of hardware are available now from FX Luminaire. The new FX Luxor App is available in the iTunes store; the Android version will be available from Google Play by February 2014.

### **ABOUT FX LUMINAIRE AND HUNTER INDUSTRIES**

FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products

with a focus on the advancement of LED lighting technology and digital lighting control with zoning, dimming and color adjustment capabilities. FX Luminaire is a division of Hunter Industries, one of the world's leading manufacturers of irrigation products.

### **MEDIA CONTACT**

Caitlyn Braegelmann  
(760) 591-7347  
1940 Diamond Street,  
San Marcos, CA 92078  
caitlyn.braegelmann@  
hunterindustries.com

## New FIS Member Benefit

FIS members will now have a value-added subscription to *Irrigation & Green Industry*, the business magazine for landscape, irrigation & maintenance contractors. You will be automatically enrolled in this \$45 year value this spring.

Watch for your copy in the mail!

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# 2014 FLORIDA WATER SUMMIT

MANAGEMENT - CERTIFICATION - TECHNICAL

JULY 16-18, 2014

EMBASSY SUITES  
LAKE BUENA VISTA SOUTH  
KISSIMMEE, FL

## Workshops and Events You Don't Want to Miss

**WaterStar Technical Training for Landscape Design and Irrigation Professionals** – Workshop provides the basics needed to understand WaterStar requirements and prepares the attendee to sit for the WaterStar Certification Exam. Date: July 16, 2014 – 9:00 AM – 5:00 PM and Exam July 17, 2014 – 8 AM - Noon. Workshop included in full registration for Water Summit plus \$60 Exam Fee. \$125 if registering only for the WaterStar Workshop.

**Residential Computerized Estimating in Times of Economic Recovery** – Jim Huston of JR Huston Consulting is bringing his ever popular computerized residential estimating workshop to the Water Summit. This is a 7 hour hands-on workshop using your actual costs in a simulated estimate. Date: July 16, 2014 – 9:00 AM – 5:00 PM. Workshop included in full registration for Water Summit or \$125 if registering only for the Estimating Workshop.

**Keynote Speaker – The Game is Changing: What Sustainability and Regulations Mean for the Future of Irrigation** – John Farner, Irrigation Association – National Governmental Affairs Director will update attendees during the Friday, July 18 Annual Meeting on federal and state regulations that will impact your business.

**2014 Annual Water Summit Trade Show and Vendor Reception** – Visit with irrigation suppliers, distributors and service providers to find out what they have new to offer. A reception hosted by the exhibitors is open to all registered attendees....great networking time and great food!

**Mini-Golf Tournament Challenge** – Competitors, family members, friends are all invited to show your best miniature golf techniques and win the FIS Challenge. Friday, July 18 from 6 PM to 9 PM.

**Florida Irrigation Society**  
Managing Every Drop™

# 2014 FLORIDA WATER SUMMIT

MANAGEMENT - CERTIFICATION - TECHNICAL



## Registration Form

Registrant's Name: \_\_\_\_\_  
(Please use a separate form for each registrant)

Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Event	Member	Non-Member
Full 3-Day Registration (Early Bird through June 15 only)	<input type="checkbox"/> \$275	<input type="checkbox"/> \$350
Full 3-Day Registration	<input type="checkbox"/> \$300	<input type="checkbox"/> \$375
Estimating Workshop – (Bonus Day and included if fully registered for Summit)	<input type="checkbox"/> \$125	<input type="checkbox"/> \$125
WaterStar Workshop – (Bonus Day and included if fully registered for Summit)	<input type="checkbox"/> \$125	<input type="checkbox"/> \$125
WaterStar Workshop – Government Employees Only	<input type="checkbox"/> Free	<input type="checkbox"/> Free
WaterStar Certification Exam Fee	<input type="checkbox"/> \$ 60	<input type="checkbox"/> \$ 60
Individual Workshop (fee per workshop)	<input type="checkbox"/> \$ 35 # _____ x _____	<input type="checkbox"/> \$ 50 # _____ x _____
Exhibit Only Entry – Meals not included	<input type="checkbox"/> Free	<input type="checkbox"/> \$ 15
Exhibitor Luncheon (Included if fully registered for Summit)	<input type="checkbox"/> \$ 50	<input type="checkbox"/> \$ 50
Exhibitor Reception (Included if fully registered for Summit)	<input type="checkbox"/> \$ 35	<input type="checkbox"/> \$ 35
Annual Luncheon (Included if fully registered for Summit)	<input type="checkbox"/> \$ 50	<input type="checkbox"/> \$ 50
Mini-Golf Tournament	<input type="checkbox"/> \$ 35	<input type="checkbox"/> \$ 35
Mini-Golf Tournament and Saturday Entry to one Disney Water Park Adult	<input type="checkbox"/> \$ 75	<input type="checkbox"/> \$ 75
Mini-Golf Tournament and Saturday Entry to one Disney Water Park Child	<input type="checkbox"/> \$ 65	<input type="checkbox"/> \$ 65
<b>Total</b>	\$ _____	\$ _____

### Hotel Reservation Information (Deadline for Special Rate - July 1, 2014)

EMBASSY SUITES LAKE BUENA VISTA SOUTH ♦ 4955 KYNGS HEATH ROAD ♦ KISSIMMEE, FL 34746

**DO NOT CALL HOTEL DIRECTLY FOR RESERVATIONS**

Hotel accommodations are NOT required. **OR**  Hotel accommodations ARE requested at Embassy Suites:

Check-in date: \_\_\_\_\_ Check-out date: \_\_\_\_\_

# \_\_\_\_\_ Standard room(s) \$129 + tax based on single/double occupancy and includes full breakfast.

Please select:  1 king bed or  2 queen beds

Additional adults (more than 2): # of adults \_\_\_\_\_ x \$10 each + tax per night = \_\_\_\_\_ (Do not include children under 17)

### Credit Card Information

**Room(s) must be guaranteed by a credit card.**

Credit card  Hotel room guarantee only:  Visa  MasterCard  Discover  AMEX

Card number: \_\_\_\_\_ Expire (mo/yr): \_\_\_\_\_ / \_\_\_\_\_

Name on Card: \_\_\_\_\_ CVC#: \_\_\_\_\_

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Please charge my credit card for my 2014 Florida Water Summit registration Fees: \$ \_\_\_\_\_  
 Credit Card  Visa  MasterCard  Discover  AMEX



Please email to [pmanrique@fisstate.org](mailto:pmanrique@fisstate.org)  
 Fax to 727-578-9982  
 If paying by check, please mail to  
 466 94th Avenue N., St. Petersburg, FL 33702

Official Use Only
Date Received: _____
Date in System: _____
Date Charged: _____

# Get the Lead Out

On January 4, 2014 the "Reduction of Lead in Drink Water Act", issued by the EPA and more commonly known as the Lead Free law, went into effect. The national mandate requires that every wetted parts such as pipes, fixtures, and fittings, meters, backflow devices used to convey water for potable use contain less than .25% weighted average of lead. It is now illegal to sell or install products that do not adhere to the new requirement including any old inventory. Wetted products not used to convey water anticipated for human consumption including outdoor watering are exempt.

Be aware that there is no requirement to replace existing product or infrastructure but any replacement parts must meet the new standard.

The NSF International's and American National Standards Institute's NSF/ANSI 372 and NSF/ANSI 61-G are acceptable certifications of product.

Watch for the NSF / ANSI certification labeling as will state and local officials who are charged with enforcing EPA's new regulations. For more information go to [www.WeAreLeadFree.net](http://www.WeAreLeadFree.net) which has FAQs, videos, and other resources to help contractors understand the Lead Free changes or the EPA's website for Frequently Asked Questions at <http://water.epa.gov/drink/info/lead/upload/epa815s13003.pdf>.





## UPCOMING INDUSTRY EVENTS

### **Florida Green Industries Best Management Practices Certification**

June 19, 2014 – UF/IFAS Extension Orange County, Orlando, FL

### **Exam Prep Class for the Florida Irrigation Contractors License**

June 23 - 25, 2014 - Okaloosa County Extension Offices, Crestview, FL

### **FIS Florida Water Summit 2014**

July 16 - 18, 2014 – Embassy Suites Lake Buena Vista South, Kissimmee, FL

### **The Water Expo**

September 16 - 17, 2014, – Miami Airport Convention Center, Miami, FL

### **Florida Green Industries Best Management Practices Certification**

September 18, 2014 – UF/IFAS Extension Orange County, Orlando, FL

### **Florida Green Industries Best Management Practices Certification**

December 18, 2014 – UF/IFAS Extension Orange County, Orlando, FL

## CENTER FOR LANDSCAPE CONSERVATION & ECOLOGY NEWSLETTERS AVAILABLE

The UF/IFAS Center for Landscape Conservation and Ecology and Michael D. Dukes, Ph.D., P.E., Director, invite you to sign up for email updates that will include quarterly newsletters, webinar announcements, and research updates. To sign up visit <http://visitor.constantcontact.com/d.jsp?m=1102118090358&p=oi> and choose one or both of the two available:

- CLCE quarterly newsletters, webinar announcements, and research updates from Center for Landscape Conservation and Ecology.
- Neighborhood Gardener monthly newsletter from the Florida Master Gardener and Florida-Friendly Landscaping programs.



Send to:  
 Florida Irrigation Society  
 466 94<sup>th</sup> Avenue N.  
 St. Petersburg, FL 33702

## APPLICATION FOR MEMBERSHIP

I am: A New Member       Renewing my Membership

**Note: All new applications are considered pending until approved by the Board of Directors at the next scheduled meeting.**

Company: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_  
 Voting Representative: \_\_\_\_\_ Email: \_\_\_\_\_

**For new applications:**

Please list sponsor or Member company:

Would you like information about your local chapter:  Yes  No

**For renewal applications:**

If you are a renewing member, please list chapter affiliation here: \_\_\_\_\_

If you are renewing, please indicate most recent membership year: \_\_\_\_\_

Please indicate your Category and enclose relevant dues

	Annual Dues
<input type="checkbox"/> <b>A</b> Manufacturer	\$330.00
<input type="checkbox"/> <b>B</b> Distributor	\$275.00
<input type="checkbox"/> <b>C</b> Contractor	\$200.00
<input type="checkbox"/> <b>D</b> Consultant, P.E., L.A.	\$200.00
<input type="checkbox"/> <b>E</b> Irrigation System Operator	\$200.00
<input type="checkbox"/> <b>F</b> Associate	\$50.00
<input type="checkbox"/> <b>G</b> Technical	\$50.00
<input type="checkbox"/> <b>H</b> Student	\$10.00
<input type="checkbox"/> <b>I</b> Supporting	\$100.00

Helpful Category Information:

- \*Associate Members are employees of current FIS Member firms in categories A-E.
- \*Technical Members are individuals employed by educational institutions or governmental agencies.
- \*Students retain all Membership rights except voting Representation.
- \*Supporting Members are individuals that wish to be members that are not in the irrigation industry. (Example: Insurance Agents, Auto Dealers, etc.)

Please tell us about yourself so we can better serve your specific industry needs

- |  |   |
|--|---|
| <input type="checkbox"/> Installer of Irrigation Systems     | <input type="checkbox"/> Registered Professional Engineer       |
| <input type="checkbox"/> Dealer in irrigation equipment      | <input type="checkbox"/> Registered Landscape Architect         |
| <input type="checkbox"/> Distributor in irrigation equipment | <input type="checkbox"/> Certified IA Designer                  |
| <input type="checkbox"/> Irrigation System Design only       | <input type="checkbox"/> Certified Landscape Irrigation Auditor |
| <input type="checkbox"/> Manufacturer                        | <input type="checkbox"/> Other Certifications: _____            |
| <input type="checkbox"/> Well Driller                        | _____   |
| <input type="checkbox"/> Operator of Irrigation Systems      | _____   |

If your business is located in a county that requires an irrigation contractor license through testing, please provide your license number and county for Membership Directory listing.  
**License #:** \_\_\_\_\_ **County:** \_\_\_\_\_

Applicant Signature & Date \_\_\_\_\_ Sponsor Signature & Date (New Members Only) \_\_\_\_\_

Payment may be made by check or credit card. Make Check payable to Florida Irrigation Society or go to [www.fisstate.org](http://www.fisstate.org) to pay by credit card.

Questions? Call the Society at 727-209-1595 or visit our Web site at [www.fisstate.org](http://www.fisstate.org)

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