



# The Droplet

## Florida Water Environment Association Integrated Water Resources Committee

May 2009

Volume 1 Issue 2



**Chair:**  
Lauren Holman

**Vice Chair:**  
Liz Bartell

**Secretary:**  
Leslie Turner

**Treasurer:**  
Nestor Sotelo

### **Congratulations to Our New 2009-2010 Officers!**

Our 2009-2010 Officers for the FWEA Integrated Water Resources Committee were selected in March 2009. The new officers are listed below:

**Chair: Lauren Holman, P.E.**

Ms. Holman has been a member of FWEA's IWRC since May of 2007. You may have seen her moderate a few sessions at our Fall Seminars held in 2007 and 2008. She is a civil engineer with 7 years of engineering experience in site development and stormwater management. She works for Jones Edmunds in their Titusville office.



*IWRC Chair, Lauren Holman*

**Vice-Chair: Liz Bartell, P.E., CFM**

Ms. Bartell has five years experience in water resources, including hydrologic and hydraulic modeling, stormwater management design and permitting. She has been employed by the Orlando office of Reynolds, Smith and Hills since May 2004. She has been a member of the IWRC since 2007.

**Secretary: Leslie Turner, P.E., BCEE**

Ms. Turner is an environmental engineer with over 11 years of engineering and management experience in the field of water resources. She works for CDM and is located in their Maitland office. She has been a member of the IWRC since 2007.

**Treasurer: Nestor Sotelo, P.E.**

Mr. Sotelo has been with IWRC for about 2 years. He enjoys coaching his two boys, mountain biking and triathlons. He is currently working towards finishing his masters in Water Resources at USF. He works for Interflow Engineering LLC, an exciting new engineering firm that focuses in the areas of hydrologic studies, and watershed planning.

Please join me in congratulating our new officers!

To become an official sponsor of *The Droplet* or to consider becoming a member of the IWRC please visit our website at <http://www.fwea.org/> or contact me at [LHolman@jonesedmunds.com](mailto:LHolman@jonesedmunds.com).



**Will water resources projects in Florida receive the funding needed in the midst of the economic hardships facing our state?**

The quick answer is "Yes," but the amount of funding that will become available for water resources projects in Florida is unclear at this point.

On February 17th, President Obama signed the \$787 billion Federal American Recovery and Reinvestment Act of 2009. This bill includes Federal spending and tax cuts with more than \$10 billion in spending for water-related projects, including those involved with Watershed and Flood Prevention, Watershed Rehabilitation, Flood Control and Water Management, Water Reclamation and Reuse Projects, and Upgrades for Wastewater Treatment Systems and Drinking Water Infrastructure.

According to the Florida Office of Economic Recovery (<http://flarecovery.com/>), Florida will receive up to \$13.4 billion for Health Care, Education, Infrastructure, Jobs, and Tax Relief. The Clean Water State Revolving Fund and Drinking Water State Revolving Fund are among the State and Local programs on the list to receive funding from the stimulus package. A total of \$220.36 million is budgeted for these funds which will provide low-interest loans for wastewater, stormwater, and drinking water projects.

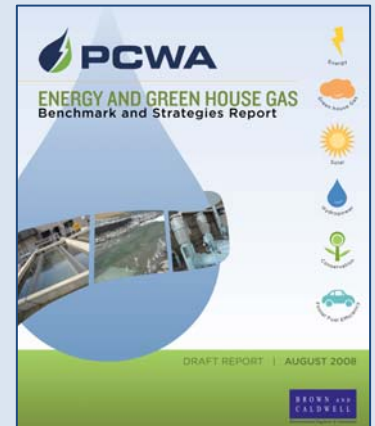
So when will we start seeing the effects of the economic recovery? Hopefully, around the time you get your latest copy of this newsletter. According to Recovery.gov (the government's public website for sharing information on the American Recovery and Reinvestment Act), Federal Agencies will begin reporting approved grants and contracts during May.

**Featured Project: Placer County Water Authority Energy and Greenhouse Gas Benchmarking Study**

Given these economic times and various pressures for all of us to live and work in more sustainable ways, it makes sense to start looking at the energy and greenhouse gas (GHG) emissions related to water treatment and transmission. Brown and Caldwell (BC) is a leader in looking at this link between water resources and energy.

BC recently prepared an Energy and Greenhouse Gas Benchmark Study for Placer County Water Authority in California. The objective of this study was to quantify current energy use and GHG emissions, identify energy costs, and suggest conservation measures and renewable energy generation. Study results showed that pumping and water treatment accounted for 84 percent of electrical use in 2007, while other energy uses, including street lighting, maintenance buildings, office buildings, and control systems accounted for less than seven percent of 2007 energy use. Investigation of conservation opportunities therefore focused on reducing pumping and increasing pumping efficiency. Small hydroelectric facilities were identified along PCWA's water conveyance system for additional feasibility studies.

Energy conservation and renewable energy generation are win-win concepts that can provide short term payback of project costs through reduced energy purchases. Some conservation and generation projects are ideally suited to receive State or Federal funding to reduce costs. Although this study was performed for a California based water agency, many of the concepts and results translate directly to Florida based applications.



## Calendar of Events

<u>Date</u>	<u>Description</u>
May 5, 2009	IWRC Committee Meeting Teleconference
June 2, 2009	IWRC Committee Meeting Teleconference
June 2009	IWRC & FWEA Central Florida Chapter Luncheon (Check Website for Date/Location)
July 7, 2009	IWRC Committee Meeting Teleconference
August 4, 2009	IWRC Committee Meeting Teleconference
October 6, 2009	IWRC Committee Meeting Teleconference

## Officer Contact Information

<u>Position</u>	<u>Name</u>	<u>Email</u>
Chair	Lauren Holman	<a href="mailto:LHolman@jonesedmunds.com">LHolman@jonesedmunds.com</a>
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Newsletter	Leslie Turner	<a href="mailto:turnerla@cdm.com">turnerla@cdm.com</a>

## Welcome New Members!

<u>Name</u>	<u>Company</u>
Please consider becoming a member of the IWRC. Visit our website at <a href="http://www.fwea.org">http://www.fwea.org</a> , then click on committees, then integrated water resources committee.	

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