

# Conserve Florida Water Clearinghouse

## Quarterly Presentation

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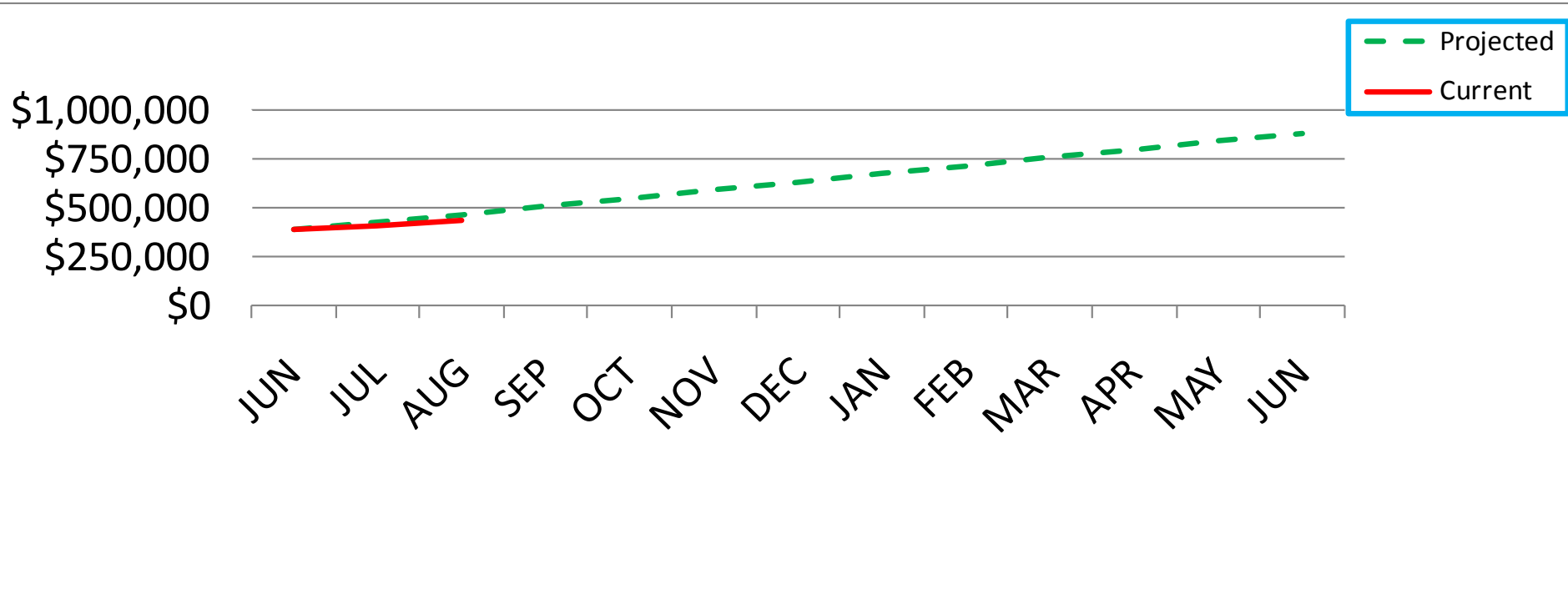
September 25, 2009

# Performance Targets

- Increase use of the Guide(s)
  - 5 utilities in South Florida, St. Johns River, Southwest Florida Water Management Districts
  - 1 utility in Suwannee River and Northwest Florida Water Management Districts
- Continue development of modules for EZ Guide
- Refine the water audit section to include more complete historical water use practices and a calibrated end use model of how water is being used.
- Add a tracking component to the Guide
- Have a complete version of EZ Guide that can be used for planning, CUP permitting, and tracking.

# Budget Profile

6/2009 – 6/2010



# Reporting

- Monthly reports were submitted to FL DEP and posted on the Conserve Florida Water website ([www.conservefloridawater.org](http://www.conservefloridawater.org)) for the months of June, July, August and September.
  - Tasks are on schedule
  - One issue to report: We have had several instances of the library resources becoming unavailable due to the digital library web service becoming unresponsive. A simple reboot fixes the issue, but we are investigating the cause of the issue to prevent it in the future.

# General

- Dr. Howard Beck/ABE is no longer participating on the project
- New Graduate Student John McCary joins team
- Established Illuminate program to connect remote team members into weekly meetings with visual and audio capability
- Annual Contract with Webhost4life renewed.



# Conserve Florida Water Clearinghouse

Promoting Conservation in Our Public Water Supplies

  
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## EZ GUIDE NOW AVAILABLE!

A simplified  
water conservation  
planning tool

[READ MORE →](#)

The EZ Guide is a tool designed to facilitate users in the area of water conservation to develop comprehensive water conservation plans. [Read More »](#)

## Get Information Here to Help You Conserve Water

**Mission:** The mission of the Conserve Florida Water Clearinghouse is to develop collaborative relationships with related programs, and to collect, analyze, and make available reliable information and technical assistance to public water supply utilities and water managers for use in developing effective and efficient water conservation programs.

## recent news

[Do You Know Everything you  
Need to Know about Water  
Conservation?](#) (Feb 17, 2009)

## upcoming events

### Focus on Change 2009

This is the eighteenth year that the Florida Rural Water Association (FRWA) has presented the "Focus on Change" conference. The Florida Department of Environment and Natural Resources (FDEP) is proud to be a sponsor of this event.

# Core Service 1: Guide

## Environmental Engineering Sciences

# New Tasks

- **1.35 Develop EZ Guide for Water Supply Assessments by Utilities and Water Management Districts**
  - Extend the Profile section to provide planning level estimates of current and projected water use based on gpcd for residential users and gallons per square foot per month for other users
  - Continue working towards a standard methodology for calculating gpcd for the EZ guide based on the “uniform method” developed by DEP and the districts
  - Using DOR, Tax Assessors, and the US Census databases, develop water use rates in terms of the size of the developed area for all non-residential users, with the result expressed as monthly gallons/square foot.

# New Tasks (cont)

- **1.55 Integrate EZ Guide within the CUP Process**
  - Demonstrate how CP data along with parcel information from Florida DOR and County Tax Assessors, and historical water use data can be used to better integrate conservation analysis into the CUP process
- **1.95 Future Plan for Initial Guide**
  - Develop a plan recommending future actions for the Initial Guide. This will consider continued improvement and support; gradual phasing out of the Guide; an expedited switchover to the EZ guide; a “hybrid” Guide; or some other option.

# Task Status

## Task 1.1

- We have hired Rick Beery as a consulting developer. He is currently developing an online prototype of the EZ Guide software utilizing Visual Studio MVC and AJAX controls to provide a more intuitive interface. A working prototype of the initial profile section should be available in 6-8 weeks.
- Early versions of modules for the Water Audit, Water Budget, and tracking have been added to the EZ Guide. These modules will be tested with Lake Worth.

# Task Status Cont

## Task 1.3

- The US EPA Watersense landscape irrigation benchmark, Landscape Water Requirement, is under investigation and further effort toward this benchmarking method is awaiting convergence with other work being performed in Florida.

## Task 1.35

- Paper submission accepted for the Florida Section of the American Water Works Association Conference proceedings: “Hydrograph Separation of Indoor and Outdoor Billed Water Use in Florida’s Single Family Residential Sector”. Issues of creating planning level assessments of water demand by the single family residential land use within a service area and methods for developing utility specific values of water savings rates for BMP 1 are discussed.

# Task Status Cont

## Task 1.4

- Paper published in the August 2009 Florida Water Resources Journal: “Water Loss Management: Conservation Option in Florida’s Urban Water Systems”
- Paper submission accepted by the Florida Watershed Journal: “Reuse and Private Wells to Offset Irrigation with Potable Water in Urban Water Systems”. Methods for developing utility specific values of water savings rates for BMP 1 are described. This modifies the Hazen and Sawyer methods and default values currently recommended by the Guide.

# Task Status Cont

## Task 1.7

- Investigation into billing level methods for large users, parcel budget methods for large to medium users, and standard default value methods for medium to small users is ongoing.

# Core Service 2 Library

## Environmental Engineering Sciences

# Task Status

## Task 2.2

- Publications developed in-house and those from SJRWMD related to water conservation have been added to the library.

## Task 2.3

- Prepared a report on connectivity/transition to a new system if necessary. Compared actual system to other libraries/system providing similar materials.

## Task 2.4

- Working with the UF Libraries regarding online access to the AWWA new digital library portal and some of its publications.

# Core Service 3

## Integrated Data Infrastructure

### Environmental Engineering Sciences

# Task Status

## Task 3.1

- Initiated work on a CII coefficients database.
- Reviewed SFWMD Water Sip report forms in order to develop reporting capabilities for the new version of the EZ Guide
- Updated local databases with MOR/DEP data

## Task 3.2

- Linked DOR/PA databases needed to develop CII coefficients.
- Developing user manual to access and use DOR/PA database

# Core Service 4: Technical Assistance

## Environmental Engineering Sciences

# Task Status

## Task 4.1

- Assisting SFWMD with:
  - Questions concerning use of GPAD vs. GPCD in the Guide
  - Expanding Guide functions
- Received several inquiries for information concerning water conservation practices and measures

## Task 4.2

- Met with SJRWMD several times about projects that touch on the EZ Guide, including one project that will be evaluating several Utilities in the District on water use.
- Provided an EZ Guide overview to SFWMD personnel so that it can be used in evaluating 4 Utilities on plan development.

# Core Service Area 5: Research Agenda/Program

## Water Institute

# Task Status

## Task 5.1

- Applied Research Agenda Update (2009-10 Priorities)
  - 1: Residential Benchmarks for Minimal Landscape Water Use (*previously 6<sup>th</sup>*)
  - 2: Pricing and Water Rates (*no change*)
  - 3: Incentives and Planning (*no change*)
  - 4: Quantification of Low Impact Development (*no change*)
  - 5: Construction Benchmarks for Minimal Water Use (*no change*)
  - 6: Impact of Perceptions and Practice on Conservation (*previously 1<sup>st</sup>*)

The full report is available on the CFWC website.

# Task Status

## Task 5.2

- Priority Area for synthesis identified through survey

A clear majority identified....

## Residential Benchmarks for Minimal Landscape Water Use

.... as the preferred topic for a research synthesis.

# Core Service Area 6: Outreach

## TREEO Center

# Task Status

## Task 6.2

- Developed Promotional Materials for a FWRA Conference Workshop Presentation

## Task 6.3

- Publicized Clearinghouse, displayed banner and distributed brochures at these events:
  - FWRA Conference
  - AWE Water Loss Workshop
  - Florida Chamber's 23rd Annual Environmental Permitting Summer School