

# Conserve Florida Water Clearinghouse

## Quarterly Presentation

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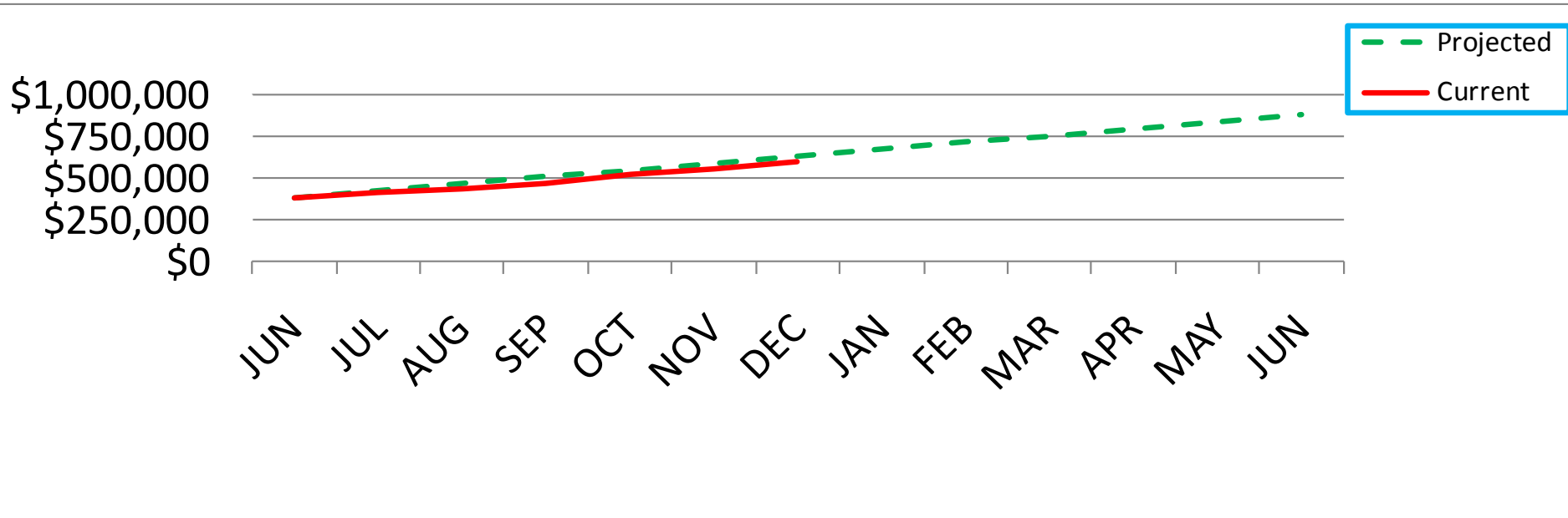
January 29, 2010

# 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 October, November, December, and January.
  - Tasks are on schedule
  - Budget on schedule
- The Long Term Plan is under revision and a draft will be presented to Conserve Florida Water participants in February. New items include:
  - Software development to move EZ Guide to a web-based platform
  - Develop a bulletin board for water conservation discussions.

# Website

- A custom site search page has been incorporated with Google that searches our site along with several related sites, such as AWWA, AWE, etc.
- One issue to report: The feed.informer site that we use to produce our RSS feeds on the website has on occasion been unavailable. This caused the main website to load very slowly as the RSS connection had to time out on every page. This has been resolved.
- Our host (webhost4life.com) has announced that there will be a major server migration for all their customers over the next several months. We are scheduled for migrating on 3/2/2010.

# General

- Graduate Students Ken Friedman and John Palenchar graduated in December. They have remained as project employees.
- Graduate Student Miguel Morales won the Fall 2009 FSAWWA Conference Best Paper Award for his submission “Methods for Estimating Commercial, Industrial and Institutional Water Use”

# Core Service 1: Guide

## Environmental Engineering Sciences

# Task Status

## Task 1.1

- An early beta version of EZ Guide 2.0 was demonstrated at the 12/09 FS/AWWA Conference and well received. Official release is expected February 2010.
- Our programmer, Rick Beery, has developed and demonstrated an online prototype of the first few steps used in EZ Guide 2.0, and demonstrated the benefits of implementation as a web application rather than an Excel spreadsheet.
- A database infrastructure for the web interface to pull DOR, Census, Utility, and MOR data for water use estimation is under development.

# Task Status Cont.

## Task 1.3

- The volume of water saved for BMPs and measures in the Guide is under evaluation. Fixture data as well as CII data will be incorporated into the next version of EZ Guide 2.0. Water saved is the difference between present use by sector and type of fixture and projected use with new BMPs

## Task 1.35

- EZ Guide 2.0 extends the profile section and provides a methodology for calculating gpcd. In addition, water use rates for CII are expressed as monthly gallons/square foot. The Technical Manual is under development.

# Task Status Cont.

## Task 1.4

- Work continues on developing coefficients for CII. This method is set up to be consistent with how residential use is evaluated
- The Florida Water Environment Association Watershed Journal has published “Reuse and Private Wells to Offset Irrigation with Potable Water in Urban Water Systems” written by Heaney, Palenchar, and Friedman.

## Task 1.55

- The CUP process for SFWMD, SJRWMD, and SWFMD have been reviewed and those sections pertinent to the EZ Guide have been identified. EZ Guide Version 2.0 will have links to the designated water audits for SWFWMD and SJRWMD, and population statistics for all three districts.

# 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

- The Clearinghouse and UF were selected by the AWWA Water Research Foundation to pilot test allowing universities to have free access to their reports. This access began in January 2010. This access is a major help in keeping up with the latest information in the field

## Task 2.3

- The Clearinghouse may be a repository of Water Smart Innovations conference presentations. We will provide details of benefits that the Clearinghouse and UF can provide to that program in going forward.
- Added Clearinghouse publications and presentations presented at the FS/AWWA 2009 Water Conservation Symposium to the digital library.

## 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

- Exploring the integration of EZ Guide methodologies and data inputs with CUP methodology and requirements.
- Documenting procedures to access and format databases to be used with future versions of the EZ Guide. They include: FDEP MOR, Census, FDOR, and utility billing data.

## Task 3.2

- Rolled individual county DOR databases into one statewide database for use in Version 2.0 of the EZ Guide.
- Collecting Metadata information for databases (MOR, FDOR, Census, utilities).

# Core Service 4: Technical Assistance

## Environmental Engineering Sciences

# Task Status

## Task 4.1

- Fielding queries about new water conservation products. The inquiries generally involve solicitation of advertising space or endorsement from Conserve Florida, or availability of grants or support for product development.
- Fielded requests regarding residential irrigation application rates and duration.
- Inquires on new EZ Guide 2.0 from Orlando Utilities Commission and Orange County Utilities. They may be potential participants to beta test the new version.

# Task Status

## Task 4.2

- Had discussions with Sanford Utilities concerning water loss analysis.
- We continue to attend SJRWMD meetings as they discuss aspects of their water supply plan.
- Collaborating with JEA to look for ways to utilize their automated meter reading data capture for analysis of water use and methods to leverage the data for use in water conservation projects.
- Collaborating with GRU and are utilizing their water consumption data to validate our water use models, while assisting them in analyzing their customer water use patterns and trends.

# Task Status

## Task 4.2

- Collaborating with SFWMD to support 3 utilities (Plantation, Tamarac, and Lake Worth) to develop Conservation plans using the EZ Guide 2.0 application.
- Ongoing work with 6 Utilities in SJRWMD with Jones Edmunds for a Guide analysis.

# 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 completed report is available on the CFWC website.

# Task Status

## Task 5.2

- Synthesis of “Residential Benchmarks for Minimal Landscape Water Use” is in work. This is the highest Priority Area identified through a comprehensive survey
  - Dr. Michael Dukes/UF will be responsible for carrying out the work and producing the technical report.

# Core Service Area 6: Outreach

## TREEO Center

# Task Status

## Task 6.2

- Developed flyers promoting the Water Conservation Symposium at the FS/AWWA Conference.

## Task 6.3

- Publicized Clearinghouse, displayed banner and distributed brochures at these events:
  - 2009 Water Policy and Economics Meeting
  - FS/AWWA Conference

# Task Status

## Task 6.6

- Gave a demonstration of EZ Guide 2.0 to participants at the FS/AWWA Water Conservation Symposium. Approximately 35 people in attendance.