



**Metropolitan North Georgia Water Planning District
Water Supply-Water Conservation
Technical Coordinating Committee Meeting Summary
February 16, 2011**

The Metropolitan North Georgia Water Planning District's Wastewater and Water Supply-Water Conservation Technical Coordinating Committees met on Wednesday, February 16, 2011, at 9:00 a.m. in the Pope Room, on "B" level of the R. Charles Loudermilk Center for the Regional Community in Atlanta, Georgia.

Attendance

Chris Boyd, City of Roswell	Becky Mixon, Cobb County-Marietta Water Authority
Charles Corbin, Keck & Wood, Inc.	Heather Moody, Gwinnett County
Bruce Coyle, Paulding County	Nancy Moon, City of Holly Springs
Ernest Earn, Cobb County Water System	Terry Moy, Clayton County Water Authority
Catherine Fox, FOX Environmental, LLC	Kathy Nguyen, Cobb County Water System
Horace Gee, City of Gainesville	Jodi O'Brien, Gwinnett County
Steve Green, Douglasville-Douglas County Water and Sewerage Authority	Tim Perkins, Forsyth County
Tonja Halton-Mincey, Henry County Water and Sewerage Authority	Guy Pihera, Clayton County Water Authority
Chris Hindman, City of Fayetteville	Lee Pope, Rockdale County
Donna Joe, Gwinnett County	Timothy Pugh, Paulding County Water System
Russell Kelly, Paulding County Water System	Richard Randolph, City of East Point
Sam Krishnan, City of Atlanta	Jim Scarbrough, Gwinnet County Water
Melinda Langston, City of Atlanta Department of Watershed Management	Kelen Shostak, City of Woodstock
Billy Lunsford, City of East Point	Keith Watkins, Clayton County Water Authority
Don McKenzie, City of Locust Grove	Emily Wingo, Georgia Environmental Protection Division

Marissa Duff of the Metro Water District staff opened the meeting, initiated introductions and reviewed the meeting agenda with the group.

Public Comment Period

No public comments.

GEFA Water System Interconnection, Redundancy and Reliability Act Study

Kevin Kelly, Program Manager with GEFA, presented an update on GEFA's Water System Interconnection, Redundancy and Reliability Act study. GEFA has completed the selection process and signed a contract on December 1, 2010 with a team led by CH2M Hill including Jacobs Engineering, Lowe Engineers, R2T, Walker Hulbert Gray & Boyd, and Galardi Rothstein Group. The project team has contacted nearly all the qualified systems and worked with them to collect all necessary data. At this time the project team is assembling hydraulic models and beginning the evaluation of the different water supply risks/emergency situations that will be modeled. Mr. Kelly described the next steps in the process: data collection, emergency scenario models, and hydraulic

models will be completed by the end of March; optimization modeling will be completed by the end of April; the prioritization process will begin in May; a draft report will be ready by mid June; and the complete study will be ready by September 2011. Mr. Kelly thanked everyone that participated in the data collection effort and expects to present additional updates at the next TCC meeting in May.

Water Meter Technology Presentations

Bruce Lackey with Badger Meter Inc. presented information about the technology available from Badger meters for point of use leak detection. Mr. Lackey emphasized the importance of metering for AWWA's water supply and water conservation best management practices. He reviewed Badger's Automated Meter Reading (AMR), Advanced Metering Infrastructure (AMI), as well as Advanced Metering Analytics (AMA) technologies with the group. He explained that such technologies allow for real time customer notification and assistance in water conservation efforts. One group member asked about the travel distance of a radio signal given this region's terrain. Mr. Lackey explained that a propagation study is necessary to determine signal strength.

Paul Lukacs with Sensus Meters and Jason Kendall with Kendall Supply, Inc. presented information about the technology available from Sensus meters for point of use leak detection. Mr. Lukacs explained to the group that Sensus meter technology allows for leak detection, pressure monitoring, acoustic monitoring, demand response, and remote shutoff through a FlexNet Smart Grid. Mr. Kendall presented the group with an AMI live leak detection demonstration on the internet. One group member expressed concern about how quickly the technology becomes obsolete after installation and whether integration of newer technologies is possible. Mr. Lukacs explained that this is taken into consideration and local governments can lease or purchase the bandwidth to ensure that their current technology needs remain consistent throughout the duration of meter operation.

2010 Water Metrics Report

Marissa Duff presented the group with an overview of the water supply, wastewater, and water quality data from the Water Metrics Report. She presented background information about population, economic, and weather trends for 2000 – 2009, all of which affect water demand in our District. Ms. Duff explained that total water use and per capita water use have decreased due to the combined effects of weather, the economic recession, and water conservation. In regards to wastewater returns, the percentage of water returned to the District through treated wastewater returns has increased. Ms. Duff explained that the definition of net use as presented on page 34 of the report distributed to the group was incorrect. Net use is correctly defined as the total amount of raw water withdrawn minus the total water returned through treated wastewater returns. She asked group members to review the report and submit any other corrections. The report will be presented to the District Board in March.

2010 Implementation Survey Overview

Marissa Duff presented the group with an overview of the 2010 Implementation Survey as it relates to water supply and water conservation. She explained that since the start of the District's toilet rebate program, more than 45,600 old toilets have been replaced. In regards to water loss, approximately 10,000 leaks were repaired in 2010 and over 30% of the utilities serving 73% of the population have used the AWWA Free Water Audit Software ©.

Metro Water District Toilet Rebate Program Update

Marissa Duff announced to the group that the water providers participating in the District's toilet rebate program will end the rebate for 1.6 gallons per flush toilets on December 31, 2011.

BAC Discussion Topics

a. Water Supply Options Discussion

Matt Harper presented the group with a summary of the water supply options discussion by the Basin Advisory Councils in January. Mr. Harper asked for input from the group as to what the District Board should be discussing in regards to water supply options. One group member commented that expanding reservoirs is just as important as creating new ones. Another group member commented that silt and sediment removal from existing reservoirs should be taken into account to increase existing storage and return reservoirs to their original capacity.

b. "I'm In" Update

Matt Harper presented the group with an overview of the "I'm In" website. He showed the group the process of how visitors can pledge to conserve water, calculate their existing water use, and locate other pledges in their zip code on an interactive map. Mr. Harper explained that the website is live and in a testing phase but will be officially launched at the District Board meeting on March 3rd. He asked the group to take a look at the site (www.mydropcounts.org) and provide feedback. Mr. Harper encouraged the members to provide a water conservation story about a local government or business for the website. One group member emphasized the importance of including information about the energy savings associated with conserving water.

Other

Marissa Duff announced to the group that the Georgia Water Wise Council is accepting applications for the Fox McCarthy Water Wise Award which recognizes an outstanding projection or program implemented by a Georgia water provider.

The meeting was adjourned.