

Central Florida Water Initiative

TOHO Water Authority
Friday, March 29, 2013
9:30 AM

Meeting Summary

(All presentations made to the Steering Committee have been posted on cfwiwater.com.)

1. Introductions

- a. Greg Munson, CFWI Steering Committee Chair, opened the meeting and turned the meeting Chair over to Brian Wheeler.
- b. Brian Wheeler stated that there was an error regarding the meeting notice; therefore, no action will be taken today by the Steering Committee. All of the items on today's agenda will be for informational purposes only.
- c. Self introductions of Steering Committee (SC): Dan O'Keefe (SFWMD), Paul Senft (SWFWMD), John Miklos SJRWMD), Greg Munson (FDEP), Brian Wheeler (TOHO Water), Ray Scott (for Rich Budell- DACS).
- d. Audience introduced itself. Sign in sheet posted to website.

2. CFWI schedule update

- a. Brian Wheeler referred to the calendar of activities dated February 17, 2013, as the current status of the tasks by the Groundwater Availability Team (GAT). The schedule indicates scheduled meetings of the GAT, the Management Oversight Committee (MOC) and the Steering Committee (SC).
- b. John Shearer mentioned the most up to date version of the CFWI Schedule is posted to the CFWI website as it becomes available. He also indicated that the HAT and GAT would be discussing potential changes the schedule today.

3. Consent Items

- a. Previous Meeting Summary was available for comment. No comments were received and no action was taken. The Summary will be reviewed again at the next SC meeting for approval.

4. Hydrologic Analysis Team

- a. Akin Owosina reported on the progress of the HAT. The HAT continues to make significant progress in completing milestone activities. He noted that the ongoing assessment of the model resulted in the need to further refine the model calibration and to re-run recently completed scenarios to ensure a consistent basis for comparison. He noted that the identified changes were important in that they could affect the outcome of the analyses using the model. He also reported that they would result in a schedule slippage of up to one month.
- b. HAT activities underway include:
 - Documentation of the updates to the model
 - Continues assessment of model performance over study domain
 - Review of permitted agricultural input for future scenarios
- c. HAT has completed the following key milestone activities related to model development:
 - Initial recalibration completed on January 8, 2013
 - Additional task to perform a revision to recalibration was completed on March 5, 2013
- d. HAT has completed the following key milestone activities related to model application:
 - Initial Model Runs (4 scenarios) and Future scenarios were completed on January 31, 2013
 - Revised Future Scenarios were completed and delivered on March 15
 - Revised Initial Scenarios were completed and delivered on March 15
 - Further Revisions & Sensitivity Runs will be completed in April 2013. These will include the revisions to future scenarios and will result in an approximate one month delay to the critical path schedule
- e. The HAT will continue to support the GAT and the RWSP Team through October 2013
- f. Also as the intensive model development effort allows, the HAT will begin the process to fully document the CFWI model through multiple technical memoranda and report sections. The HAT will also develop a model user guide to allow broader application of the tool outside of the current user base. Finally, the HAT will formalize recommendation for SC consideration on managing and maintaining the model and data following CFWI project use by drafting a configuration management and version control guidance for model and data.

- g. A formal report from IFAS on review of agricultural water use in calibration model is being reviewed by the HAT and will be finalized shortly.
- h. Steering Committee discussed the reasons for the delay and felt the one month critical path delay was reasonable.

5. Groundwater Availability Team

- a. Mark Hammond reviewed the CFWI Guiding Principles and background, the schedule for the next three months including an expectation of SC policy decisions anticipated to be needed and a brief review of the water resources with the CFWI previously discussed with the SC Preliminary Assessment of Recent Conditions
- b. GAT Report of Preliminary Findings of Groundwater Availability will be delayed one month based on HAT schedule (see item 4.) from April 30 to May 31, 2013.
- c. GAT Groundwater Availability Results will be delayed one month based on HAT schedule (see item 4.) from May 31 to June 28, 2013
- d. With the revised schedule SC meetings were proposed to address GAT issues on May 31 and June 28. MOC will also review those dates. The decision as to whether the scheduled April 26 SC meeting would be needed will be addressed by the MOC on April 1.
- e. The objectives of the May 31 SC meeting would be to:
 - Review preliminary findings for recent and future conditions
 - SC Policy-level Discussions
 - Public Input
- f. The objectives of the June 28 SC meeting would be to:
 - Present groundwater availability results that address CFWI Guiding Principle #1
 - SC Policy-level Discussions
 - Public Input
- g. Mark Hammond led a discussion reviewing the preliminary results of the recent condition of MFLs and EMT sites in the CFWI.
- h. Hans Tanzler questioned the “recent” period of record (2005-2012) and the impact that rainfall on surface water levels. Mark Hammond emphasized that many factors influence changes in surface water conditions such as: hydrogeologic setting and rainfall, drainage changes, surrounding land use changes, basin configuration changes and groundwater withdrawals. Mark felt the GAT process adequately handled the impact of rainfall patterns.

- i. The GAT evaluation focused on groundwater withdrawal based changes. Using MFL data from 88 sites and another 146 EMT sites the GAT was able to conclude the following:
(for graphical details of the sites reviewed refer to GAT presentation posted to cfwiwater.com)
 - Most MFLs are currently being met but several are not
 - EMT sites are more likely to be stressed along ridge areas and less likely in non-ridge areas
 - Ridge areas are more susceptible to groundwater withdrawals than non-ridge areas due to less confinement
- j. Melissa Meeker questioned the impact of the groundwater withdrawals on surface water particularly in the Upper Kissimmee River basin. Specifically, she asked if the evaluation model would be focusing on withdrawals in both the upper and lower Floridan aquifer. Mark said model could differentiate between the aquifer zones and those issues would be handled during the Solutions Planning Phase.
- k. Greg Munson questioned if there was a definitive “cause & effect” between those sites shown in red and groundwater withdrawals. Mark explained the MFL sites showing in red were definitely groundwater withdrawal affected. Cause and effect for the EMT sites in the recent conditions assessment had not been determined; the EMT sites are being evaluated statistically and will have a probabilistic impact associated with groundwater withdrawals for the future conditions scenarios. The measuring sticks will be the tool that will help make that assessment.
- l. The next steps for the GAT will be to complete the status review of recent conditions and assess future groundwater availability for the EOP, 2035 and alternate scenarios
- m. A joint meeting between GAT and the MOC is planned for April 15th to further discuss the GAT’s efforts.

6. Regional Water Supply Plan Team

- a. Tom Bartol provided an update to questions and concerns that were raised at the February 1 SC meeting.
- b. Historic water use *(for graphical details of the water use trends refer to RWSP presentation posted to cfwiwater.com)*
 - 1995- 2010
 - Water Use increased slightly from 727.45 mgd to 727.95 mgd (<1.0%)
 - Population increased from 1,895,696 to 2,961,472 (56%)
 - Gross per capita water use decreased from 183 to 145 gpcd (-21%)
 - Residential per capita water use decreased from 165 to 97 gpcd (-41%)
 - Public access area reuse increased from 32 to 74 mgd (75%)

- Other reuse increased from 75 to 119 mgd (59%)
 - Residential water conservation was estimated to save approximately 166 mgd (26%)
- c. Bureau of Business Economic Research (BEER) population projection accuracies
- State-level forecast errors have averaged 3% for 5-year horizons, 4% for 10-year horizons, 6% for 15-year horizons, and 9% for 20-year horizons
 - County-level forecast errors have averaged 5%, 8%, 11%, and 15% for those horizons, respectively
 - Based on comparisons with other studies, this is a good record of forecast accuracy.
- d. Public Involvement Plan update
- Since January 2013, the Public Involvement Team has participated in bi-weekly teleconferences.
 - These regular meetings will continue throughout the RWSP process and will help ensure both internal and external communications are handled effectively.
 - Public involvement is shared by the WMDs, DACS, DEP, and water suppliers.
 - The main messages to aid with engaging stakeholders and the public are straightforward.
 - The CFWI RWSP is being developed to address both short-term and long-term water issues.
 - Water demand projections are based on best available data.
 - The RWSP will identify options to meet projected demands.
 - The CFWI website will be the primary source of information for stakeholders and the public. The website will be updated regularly and used to solicit public comment, along with the public workshops.
 - Paul Senft asked who would handle the public meetings. Tom responded that the RWSP had diverse representation and would certainly include myregion.org and others as necessary. Paul stressed the importance of fully engaging the public.
 - Some of the dates presented in the Plan will be adjusted to meet the revised schedule. Target for the completion of the DRAFT RWSP is now October 31, 2013 (formerly September 30).

7. Myregion.org

- a. John Shearer reported that Nancy Chrisman (SJRWMD) and Jason Mickel (SWFWMD) are currently the primary liaisons with myrgion.org.
- b. Also, Shelley Lauten and Jacob Stuart were contacted in the past month to keep them appraised as to the CFWI progress. It is expected that the Solutions Planning Team will be engaging myregion and the Congress of Regional Leaders shortly.

8. Open Discussion

9. Public Comments

- a. David Gore (Haines City), expressed concerns with the accuracy of the model and the sensitivity between model input assumptions and the results. One of his concerns was if we really understood the water table and how it reacted under differing conditions. Steering Committee requested that staff provide Mr. Gore with appropriate information to address his concerns. It was noted that staff has been in regular contact with Mr. Gore and that contact would continue.

10. Next SC meetings

- a. The Management Oversight Committee (MOC) will be meeting April 1 to review the upcoming calendar and suggest possible revisions to the schedule based on feedback received today from the Steering Committee.
- b. April 26 (tentative)
- c. May 31
- d. June 28

11. Adjourn- 11:05 AM.