



## **Water Supply Availability Work Group**

### **Groundwater Availability Subgroup**

#### **June 19, 2013 - Meeting Summary**

##### **Conference Call**

The first meeting of the groundwater availability subgroup was held June 19, 2013 via conference call. The following were in attendance: Dean Pennington, Jay Johnston, Edward Swaim, Brian Clark, Linda Johnson, Sean Brewer, Cynthia Edwards, Andrew Grobmyer, Bill Fernandez, and Nicole Rowan.

The purpose of the call was to discuss next steps for the groundwater availability subgroup and receive feedback on the methods presented at the April 25, 2013 Water Supply Availability Work Group meeting. Bill Fernandez reviewed the methods that were presented at the April 25 Work Group meeting with the conference call attendees.

Following were the questions and comments discussed during the call:

Question: Explain the differences between the scenarios described in the Water Availability White Paper and the scenarios USGS is completing in its Aquifers of Arkansas report. Answer: The USGS scenarios will be run in steady state mode while the Water Plan Update scenarios will be run in transient mode. In the Water Supply Availability Methodology Memorandum the USGS Scenario 2 is similar to the Water Plan Scenarios and results will be compared.

Question: How is the water use information used in the groundwater model validated. Answer: The demand forecast for the water plan was developed similarly to the water availability analysis – through the use of technical work groups. A Demand Forecast Work Group reviewed methodologies and demand forecast results and provided feedback. In addition, the demands were presented to the public during the June 2013 Public Involvement and Stakeholder meetings held across the state.

Question: How will gaps in groundwater availability be determined. Answer: The gaps will be estimated based on the scenarios outlined during the call and in the Water Supply Availability Methodology Memorandum. The demands from the demand forecast will be incorporated into the model and we will use the model predictively to assess when shortfalls in meeting those demands may occur under the five scenarios described in the Water Supply Availability Methodology Memorandum.

The subgroup will meet again after the results of the groundwater availability analysis is completed.