

Governor's Water Augmentation, Innovation and Conservation Council Non-Active Management Area Groundwater Committee

September 23, 2019

Meeting Summary

Time: 10:00 AM – 12:00 PM

Location: Arizona Department of Water Resources

I. Welcome and opening remarks

Co-Chairs Jamie Kelley and Representative Gail Griffin welcomed the committee participants and attendees. Participants seated at the table were asked to introduce themselves.

II. Presentation from ADWR on the status of groundwater

In support of the Committee's goal "to achieve a baseline understanding of Arizona groundwater in non-active management areas," a presentation was provided by Jeff Inwood, ADWR Chief Hydrologist, and Keith Nelson, ADWR Groundwater Modeling Manager. Information included a general overview of groundwater use and wells in Arizona, a brief overview of the Willcox numerical groundwater flow model, and WRDC future water supply projections:

- Water use by source
- Water use % by basin (groundwater, surface water, reclaimed)
- Index well location and water level change
- Groundwater level changes in the Willcox Basin average decline of 26 ft. and the Upper San Pedro Basin showing an average decline of 4 ft. over the 10-year period 2006-2016
- ADWR groundwater models available for each AMA
- ADWR models available on the ADWR website:
<https://new.azwater.gov/hydrology/groundwater-modeling> *
- Models available outside the AMAs include non-ADWR models
- Willcox Basin groundwater model released by ADWR July 2018
 - natural recharge included in model
 - 76,000 acre-feet/year loss in storage in the aquifer
 - 330 feet decline in groundwater levels in some areas in the last 10 years
- Discussion of recharge in groundwater models
- From the Water Resources Development Commission (WRDC 2010) report and the Arizona Strategic Vision for Water Supply Sustainability (Strategic Vision 2014):
 - Projected water supply deficits by 2035 in 30 basins
 - Total statewide demand will range from a low of 8.1 million acre-feet in 2035 to a high of 10.6 million acre-feet in 2110
 - Total statewide imbalance between supply and demand estimated to range from 900,000 acre-feet to 3.2 million acre-feet
 - 36 out of 46 groundwater basins are projected to have a water supply deficit by 2110
 - The Strategic Vision identified strategic priorities for moving Arizona forward, including comprehensive statewide data collection and analysis (modeling local conditions)

The committee requested that staff follow up with additional information to questions at the next meeting.

III. Best management practices (BMP) update

Co-Chair Representative Gail Griffin stated the Committee received BMP reports from three cities. She and several of the committee shared highlights of information received to date. Co-Chair Jamie Kelley asked for the Committee to give better definition as to what purpose they want the compilation of the BMPs to provide, and how they will be organized, such as by region. BMPs are to be sent to Karen Modesto at ADWR: kmodesto@azwater.gov

IV. Report on topics for consideration as discussed by the Council at the Sept. 12, 2019, GWAICC meeting

Co-Chair Kelley read the list of topics put forth by the Governor's Water Augmentation, Innovation and Conservation Council meeting for the Committee to consider. Due to time, this agenda item was not discussed. The co-chair asked that the [Strategic Vision] regional overview of each Planning Area be provided to the corresponding committee participant for Committee planning purposes. The Strategic Vision Planning Area documents may be accessed using the interactive map located at: http://www.azwater.gov/AzDWR/Arizonas_Strategic_Vision/ *

V. Discuss next steps / items for next meeting agenda

Agenda item not discussed.

VI. Future meeting dates

Co-chair Griffin stated the next meeting of the committee is estimated to take place early November.

VII. Adjournment

Meeting adjourned approximately 12:00 PM.

The **WRDC** report may be accessed at: <https://infoshare.azwater.gov/docushare/dsweb/View/Collection-123> *

The Committee meeting presentation and audio recording (when available) may be accessed at: <https://new.azwater.gov/gwaicc/committee/meeting/non-ama-groundwater-committee-meeting> *

*If you require assistance accessing any of the documents referred by the presenters and the Committee Co-chairs please contact Karen Modesto at ADWR: kmodesto@azwater.gov