ARIZONA RECONSULTATION COMMITTEE

Answers to "Blue Card" questions posed before, during and after the July 30, 2020 Modeling & Analysis Work Group

Blue Card: Perri Benemelis
Organization: Consultant
Email: pfbenem@gmail.com
Meeting Date: 2020-07-30
Comments: Vineetha noted that Reclamation will be providing modeling support for this workgroup. With regard to long-term modeling using CRSS, what is the current Upper Basin demand schedule that Reclamation uses? Is it about 5.4 maf? Chuck's slide on Upper Basin demand shows about 4.5 maf of annual use. If Reclamation is using a significantly higher demand schedule for the Upper Basin, I'm concerned that some of the modeling data that this group will rely on will reflect reductions to the Lower Basin supply that are not realistic. What can CAP/ADWR do to address this potential discrepancy?

RESPONSE:
The Modeling and Analysis Work Group (MAWG) intends to explore the sensitivity of key metrics such as reservoir elevations and impacts to Arizona's Colorado River water supply to a range of variables explicit in the Basin-wide models described at the July 30th meeting, namely CRSS, MTOM, and the 24 Month Study. As you note, the model assumptions regarding Upper Basin depletions may influence key metrics of interest to Arizona. The MAWG process includes development of scenarios that explore future Colorado River conditions that may include a range of Upper Basin depletions to better understand the potential impacts derived from Upper Basin water use behaviors.

Blue Card: Tom Harbour
Organization: Ak-Chin Indian Community
Email: azhydrologic@gmail.com
Meeting Date: 2020-07-30
Comments: Please provide a listing of the Modeling and Analysis Work Group Technical Committee delegates and their affiliations.

RESPONSE:
The list of MAWG participants is included on both the ADWR and CAP ARC web pages.

Blue Card: Jay Weiner
Organization: Quechan Indian Tribe water counsel
Email: jweiner@rosettelaw.com
Meeting Date: 2020-07-30
Comments: As you think about modeling scenarios, will you look at how much Arizona currently relies on underdeveloped or currently underutilized Tribal water rights? Seems an

important piece of information for all stakeholders to consider as we look to future management scenarios and possible impacts.

RESPONSE:
The Modeling and Analysis Work Group intends to explore a range of potential future scenarios, including supply and demand conditions. The key factors that influence these conditions include Colorado River Basin hydrology, Arizona's Colorado River water supply, Arizona's On-River demand, supply available to CAP and CAP priority pool demand. Tribal uses make up a large volume both On-River and within the CAP service area. As such, the MAWG is likely to consider a range of future intra-Arizona water use assumptions including possible changes from current and historic tribal and non-tribal water use behaviors. The scenarios will be developed consistent with ARC Guiding Principles including consistency with the existing Law of the River framework and opposition to marketing unused water. As described at the MAWG meeting on July 30th, the goal is to appropriately characterize the risks and vulnerabilities at multiple scales, extending from the Basin-wide scale to the CAP system scale.

Non-Blue Card Follow Up: Season Martin
Organization: Walton Family Foundation and EDF
Submitted: 2020-08-04
Comments: "[I]f you would be willing to share the Arizona On-River models and the Joint Shortage Analysis Model (JSAM). I would appreciate the opportunity to familiarize myself with the modeling platforms in advance of the next MAWG meeting and presentation of any results.

Additionally, I would like to confirm that we'll receive meeting materials including initial proposed scenario assumptions in advance of the next meeting?"
[Questions excerpted from email communication]

RESPONSE:
At this time the Arizona On-River models and JSAM are internal CAWCD and ADWR work products and are unavailable for publication at this time. We are committed to working with all Modeling and Analysis Work Group members and stakeholders to provide opportunities to fully understand the model platforms, inputs, assumptions and outputs in the model space. In addition, as we indicated at the July 30th MAWG meeting, we are committed to providing the description of key modeling assumptions and variables no later than two weeks prior to the next MAWG meeting.