Eloy and Maricopa Stanfield Basin Study

Supply and Demand Sub-Team
Meeting Summary
January 15, 2019, 1:00 p.m.
Global Water Center, 22590 Powers Parkway S, Maricopa AZ 85138

1. Administrative / housekeeping
    - Introductions were made (see sign-in sheet).
2. Supply and Demand Assessment (S&D)
    a. An overview from the Plan of Study
        - Lessons were learned from previous basin studies – need to think about a planning scenario approach including realistic municipal growth.
            i. Tasks
                - Details in the Plan of Study (POS) Section 5.2
    b. Timing
        - The S&D Assessment of the POS is on a critical path with a tentative report date of Oct. 2019
    c. Water Use – broad brush
3. S&D Approach
    a. Possible approaches
    b. CAP:SAM
        - Ken Seasholes conducted a brief presentation that is available on the webpage (see link at bottom of page).
        - Need to look at all the major water users in the service area including irrigation districts, tribes, municipalities and industries.
        - Central Arizona Project Service Area Model (CAP:SAM) simulates physical and legal use of water. Various types of population growth can be simulated along with changes

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in crop growth and crop rotation/substitution. Simulations also include urbanization of agricultural lands and potential climate change components.

- CAP:SAM can be used in the development of scenarios for the alternatives analysis tasks to help determine location and costs of infrastructure. This model can help to lay the case for future Federal funding for infrastructure.
- The question was brought up if the model is sensitive enough to model small areas. Ken stated that although the whole model would need to be run because of the interconnectedness of the components the model runs very quickly so small changes can be made while not adding a lot of time to the model run time.
- There may be need for additional data.
- Ken Seasholes was asked to become chair of the S&D sub-team and he accepted.

4. Next steps
    a. Meeting dates and frequency
        - The next meeting will follow the Project Team meeting on Feb. 12 at 12:30 p.m.
    b. Meeting Location
        - The next meeting will be at Global Water Resources office in Maricopa. Special arrangements will be made for NAU to avoid the 6 hour commute time.
    c. Tasks for next meeting
        - The team will look at maps provided by Ken
        - Discuss the scope of scenario planning and review existing data
    d. Other report links:
        i. ***Colorado River Basin Ten Tribes Partnership Tribal Water Study***, https://www.usbr.gov/lc/region/programs/crbstudy/tribalwaterstudy.html
        ii. ***Colorado River Basin Water Supply and Demand Study***, https://www.usbr.gov/lc/region/programs/crbstudy.html

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