MEMO

DATE: March 19, 2019

TO: Eloy and Maricopa-Stanfield Basin Study (EMSBS) - Supply and Demand Team

FROM: Ken Seasholes, CAP
                 Austin Carey, CAP

RE: Please review the included supply and demand materials and provide edits/comments as necessary

EMSBS Supply and Demand Team,

Per our discussions at the last meeting, we ask that the team members review the following supply and demand data:

1. Water Provider Service Areas

    a. Pdf maps and shapefiles are provided for the large water providers in the study area (Arizona Water Company, Eloy, Johnson Utilities, Picacho Water Company, Global Water – Santa Cruz and Florence)

    b. Accurate service area delineation is critical because it will determine who serves new demand projected in the CAP:SAM model

    c. Tasks for team members:

        i. Verify their current and projected service area

        ii. If the area in the map/shapefile is incorrect, correct it by either editing the shapefile or by making corrections to the pdf map

2. Water Supply Portfolios

    a. ADWR's 2017 Annual Water Withdrawal and Use Reports are summarized in an attached table

    b. Currently, the six large providers are modeled in detail in the CAP:SAM model. Our intent is to include the Arizona Department of Corrections (Eyman and Florence) in the modeling effort for the basin study

    c. The remaining small providers (excluding the Arizona Department of Corrections) amount to approximately 1,831 AF, of which the majority is pumped groundwater.

    d. ==Tasks for team members:==

        i. Review table to ensure accuracy

        ii. Provide comments regarding the detail in which these small providers should be modeled. For example, is there a preference to give specific attention to some of these small providers or do we prefer to "lump" them all together?

3. March 11, 2019 Presentation on Key Factors and Approaches and Working List of Factors

    a. ==Tasks for team members:==

        i. Review the presentation that was given and provide any comments/questions you may have

        ii. Review the working list of factors affecting water supply, demand and reliability. Add to the list if necessary and determine which factors or group of factors you consider to be the most important for developing realistic future scenarios for the basin

        iii. Provide any relevant data/information that you think may be useful for representing these factors in the CAP:SAM model