

Central Yavapai Highlands Water Resources Management Study
Technical Working Group
Thursday, September 3, 2009
Meeting Minutes

Attendees:

Robert Hardy – Cottonwood	Abe Springer – NAU
Brent Bitz – Sedona	Leslie Graser - ADWR
Jeanmarie Haney – TNC	Loyd Barnett
John Rasmussen- YCWAC	Lou Bellesi
Greg Kornrumpf - SRP	Vivian Gonzales – Reclamation
Rebecca Davidson – SRP	Leslie Meyers - Reclamation

Phase I

Population (2006 and 2050)

TWG reviewed the Population Comparison table which outlined the different methods and assumptions used to estimate population for the Water Planning Areas (WPAs). Additionally, Leslie Graser developed and discussed the background and assumptions used by DES in projecting population. Leslie compared past DES projections to actual growth and compared to growth rates calculated for each of our WPAs.

2050 Demands/Estimated Available Supply

Leslie, John and Vivian developed a group of assumptions to allow them to complete the demand table. The assumptions are as follows:

1. 2006 and 2050 populations are estimated using several different methods as outlined in the Population Comparison table.
2. 2006 Demands are documented in the “CYHWRMS – Demand Analysis Water Planning Area Water Use and Available Supply Summary Table”.
3. 2006 GPPD is calculated using Mun/Dom demands and 2006 population (does not include 2006 Com/Ind or 2006 Ag Demand).
4. 2050 Mun/Dom Demand is calculated using 2050 projected population and 2050 GPPD as provided for each WPA.
5. 2050 Com/Ind Demand is assumed to increase in proportion to the Mun/Dom demand (based on growth).
6. 2050 AG use was assumed to be a percentage of 2006 Ag use (25% for Prescott AMA, 50% for the Big Chino Sub-Basin, and 67% for the Verde Valley Sub-Basin).
7. Estimated Available Supply is assumed either based on Status Quo or the Water Balance Method.

The group discussed the assumptions and provided the following comments:

1. We need to rethink the 2050 Com/Ind Demand assumptions. There are some commercial and industrial demands associated with water providers that are included in the Mun/Dom demands. They are already increasing proportionally based on population. The demands listed in column F of the Demand Analysis table are individually served Com/Ind demands and are mostly golf courses and

- sand and gravel operations. We need to find a better way to address increases/decreases in these specific demands for 2050.
2. 67% Ag retention in the Verde Valley is probably a good assumption but we should probably relook at our assumptions for the Prescott AMA and the Big Chino Sub-Basin.

Leslie Graser discussed the Water Balance Method. She did some research and put together a list of sources and background information on the natural recharge in each of the Sub-Basins (Verde Valley, Big Chino, and Little Chino/Upper Agua Fria). The TWG discussed the assumptions and some possible alternatives. We agreed to continue this discussion at our October TWG meeting.

Next Meeting

Thursday, October 13, 2009

10:30 am

Yavapai County - Gladys Gardner Meeting Room
1015 Fair Street, Prescott, AZ