

Prescott AMA Fourth Management Plan Final Draft for GUAC Recommendation

Groundwater Users Advisory Council

Updates Since July 2013

- ADWR compiled the comments received
- ADWR staff reviewed the chapters
- Chapters were updated based on comments received and internal review
- Updated chapters were posted to ADWR's website on January 10, 2014

Seeking written recommendations from the PRAMA GUAC:

- ADWR is seeking GUAC recommendations on the draft plan pursuant to A.R.S. § 45-421.1:
 - “...make recommendations on groundwater management programs and policies for the active management area and comment to the area director and to the director on draft management plans for the active management area before they are promulgated by the director.”

4MP Updates: Chapter 2

- Added text to clarify the use of Watson and Willow Lakes
- Corrected Table 2-2 for net natural recharge
- Corrected an omission for water level rise for the Agua Fria Sub-basin

4MP Updates: Chapter 3

- Added text to include explanation of exempt wells and clarify that they are not regulated
- Added text for Bond Ranch surface water use
- Added table showing estimated number of exempt wells per decade
- Updated Table 3-2 to match Table 2-2 for net natural recharge
- Added Safe Yield calculation meaning to Section 3.3
- Figure 3-5 (which is now Figure 3-6) has been updated
- Added Figure 3-7 and explanation of “Safe-Yield Pumping” (less than 5,000 AFY)
- Added text describing seasonal and annual variations in net natural recharge and the 1985 – 2012 average net natural recharge

4MP Updates: Chapter 4

- Added language clarifying reclaimed water auctioned will be put to use within the Town of Prescott Valley

4MP Updates: Chapter 5

- Added missing units to Table 5-1
- Updated Large Municipal Provider Total GPCD Program to be calculated using 2 standard deviations below the 2000-2009 average GPCD rate, rather than 1 standard deviation in the previous draft

4MP Updates: Chapter 6

- Clarified that reclaimed water has been used by 4 out of 6 golf courses
- Added large scale electric power plant program for both steam electric power plants and combustion turbine electric power plants

4MP Updates: Chapter 7

- Clarified that Prescott Valley has a constructed USF permit
- Corrected CWA (Clean Drinking Water Act) to SDWA (Safe Drinking Water Act)

4MP Updates: Chapter 8

- Updated text to reflect that OD increases or decreases depending on period of record examined
- Added text to document that City of Prescott has two wells within the AOI
- Changed text discussing reduction in riparian area
- Clarified that City of Prescott has been recharging the LIC, not the UAF
- Corrected typo in Table 8-1 from “859” to “1,859”
- Corrected text for year column in Table 8-2
- Updated map to show Airport Water Reclamation Facility in Figure 8-1

4MP Updates: Chapter 8 (cont'd)

- Clarified time-frames City of Prescott can store Watson/Willow Lake water (April 1 – November 30)
- Added text to relay legal complexities with Watson and Willow Lakes
- Updated the Prescott Valley wastewater treatment plant capacity volume listed
- Corrected the statement about the base flow at Del Rio Springs
- Removed description of how water can be moved from Del Rio Springs
- Added text to reflect that COP has a non-recoverable water storage permit for effluent recharge

4MP Updates: Chapter 11

- Added reference to the Safe-Yield calculation in the Assessment
- Added explanation of “Safe-Yield Pumping” to text
- Posted 4MP scenario templates and budgets for PRAMA to ADWR website
- Added text that importation of BC GW not likely to occur by 2020; earliest date for BC monitoring is 2017
- Added text to clarify projected demands include reclaimed water use
- Added reference to Comprehensive Agreement (CA1) and timetable for completion
- Expanded discussion of COP’s limitations on using additional SW

4MP Updates: Chapter 11 (cont'd)

- Revised language regarding how stored reclaimed water can be used to either offset pumping or for re-use
- Updated charts to show 1985-2012 (historical period), 2013-2024 (Assessment projections), then a period of “safe-yield”, followed by the period through the year 2110 (sometime during which overdraft resumes)
- Removed moving average and added descriptive text of fluctuating conditions
- Added text clarifying rainwater harvesting
- Added text to discuss long-term net natural recharge and added long-term net natural recharge to figures

4MP Updates: Chapter 12

- Added text to specify that there are existing storage projects along Granite Creek (COP's USF)
- Revamped text about Big Chino importation
- Clarified text regarding the issue of AWS allowable pumping
- Clarified that the reduced sewer flow due to water conservation does not appear to be a widespread problem
- Added Doug McMillan to the bibliography
- Added text clarifying that mitigation strategies for importation of Big Chino groundwater are outside the scope of the management plan
- Updated discussion on rainwater/storm water harvesting
- Modified and expanded text regarding the use of artificial recharge to help achieve the PRAMA goal of safe-yield

Concluding Comments

- Population projection updates
- Opportunity for more changes?
 - Before promulgation
 - At promulgation hearing
 - After adoption (modifications, scenario/regional coordinated planning, etc.)

Next Steps

- Receive recommendation letter from GUAC
- Director promulgates

Tentative Schedule (subject to change)

FOURTH MANAGEMENT PLAN ADOPTION SCHEDULE

(assumes that a request for rehearing or review is filed, but no rehearing is held)

- Director signs order promulgating Draft Fourth Management Plan **Feb 2014**
- Mail notice of hearing to all water providers, GFR holders, individual users **Feb 2014**
- Publish notice of hearing in newspaper **Feb 2014**
- Hold public hearing between 30 and 60 days after notice of hearing is first published in newspaper **April 2014**
- Make and file in the Department written Summary of Hearing and Findings **May 2014**
- Issue First Order of Adoption **August 2014** (estimate)
- Mail notice of First Order of Adoption to all persons who attended public hearing, water providers, GFR holders, individual users **August 2014**
- Publish notice of First Order of Adoption and Summary of Hearing and Findings **August 2014**
- Deadline for requesting rehearing/review 30 days after 2nd publication of notice of First Order of Adoption **September 2014**
- Issue and mail decision to parties who requested rehearing or review **October 2014**
- Issue Final Order of Adoption with issuing decisions on review **October 2014**
- Publish notice of Final Order of Adoption in newspaper **October-November 2014**
- 4MP becomes effective **November 2014**
- Mail notice of water duties and modified conservation requirements to all regulated persons, and include notice of right to request administrative review and variance **November 2014**
- **Conservation requirements become enforceable January 1, 2017**