



5th Management Plans Work Group Recharge Subgroup Meeting

July 14, 2021

Google Form Questionnaire

- Additional opportunity to provide input and feedback on items discussed in the meeting
- Questions are optional so you can choose what you'd like to provide input on
- Responses will be posted anonymously on our 5MP Concepts Webpage
- Please respond by 7/28/2021
- Link to Google Form Questionnaire: <https://forms.gle/xg6bbCUM6EtjPZo5A>

Agenda

- I. Welcome & Introduction
- II. Proposed 5MP Recharge Regulatory Language Modifications (Phoenix AMA only)
 - A. Brief Overview of Recharge Program
 - B. Background
 - C. Existing Management Plan Regulatory Language
 - D. Proposed Implementation
 - E. New/Additional Management Plan Regulatory Language
 - F. Discussion
- III. Closing

Estimated 5MP Timeline

new.azwater.gov/5MP

2020: Development

- Work Group, Subgroups, & Stakeholder Outreach
- Data Analysis
- Develop Concepts to Increase Conservation
 - Update Existing Programs
 - Design New Programs

2021: Drafting

- Build out Concepts developed in previous phase
 - Regulatory Language
 - Feedback from GUACs/AMAs re: Customization & Implementation
- Draft Narrative & Background
- Develop Data Tools

2022: Adoption

- Publication of initial drafts
- Presentation to GUACs for recommendations
- Promulgation processes
 - Hearing & Public Comment
 - Findings & Adoption
 - Noticing of Conservation Requirements



Proposed 5MP Recharge Regulatory Language Modifications (Phoenix AMA only)



Presentation Overview

- Brief Overview of Recharge Program
- Background
- Existing Management Plan Regulatory Language
- Proposed Implementation
- New/Additional Management Plan Regulatory Language
- Discussion

[Proposal](https://new.azwater.gov/5MP/plans-concepts) is available at <https://new.azwater.gov/5MP/plans-concepts>

Recharge Program Overview

- ADWR administers the Underground Storage, Savings and Replenishment Program (The Recharge Program)
- Issues permits for entities to recharge and recover renewable water supplies underground
- Calculates and tracks water storage and recovery (Annual Storage, LTSCs)
- Recharge Program
 - Statute
 - Substantive Policy Statements
 - Management Plan Requirements
 - No Administrative Rules

Background

Role of Recharge in the Management Plans

- Safe Yield vs Local Conditions
- Recharge as a Water Management Tool
- Management Plans Requirements
 - Storage & Recovery Siting Criteria
 - Hydrologic Disconnect
 - One criteria involving storage and recovery in areas of shallow depth-to-water is not being administered

Proposal for Existing Management Plan Language

- An entity recharging in an area determined by the Director to be experiencing shallow depth-to-water conditions will be required to recover that water within the area of impact of the facility only
- Begin enforcing the existing Management Plan Storage and Recovery Siting Criteria 8-801(B)(1)(a) when 5MPs become effective (expected to be January 1, 2025)
- Will only apply to any new USF or any existing USF that is modified or renewed

Implementation

- Will only apply to water stored at any new USF or any existing USF that is modified or renewed - WOULD NOT AFFECT EXISTING LTSCs
- “Recharging in an area determined by the Director to be experiencing shallow depth-to-water conditions”
 - Define/develop criteria for "area of shallow depth-to-water"
 - Develop procedure to determine which entities are recharging in a Director-determined area of shallow depth-to-water



Proposal for New/Additional Management Plan Language

- Permitting of recovery wells located within a Director-determined area of shallow depth-to-water would be deemed consistent with the management plan (No 100yr DTW or 4ft decline requirement)
- Recovery from within a Director-determined area of shallow depth-to-water would be deemed consistent with the management plan regardless of where the water was stored in the PHXAMA (No 4ft decline requirement)
- Would also apply to entities who are recharging in a Director-determined area of shallow depth-to-water

Results

- Water stored at facilities that impact areas of Director-designated shallow depth-to-water could only be recovered within either:
 - The facility's AOI (1-mi safe harbor or AOHI) OR;
 - Designated shallow depth-to-water area(s)
- Recovery of water stored at such facilities prohibited outside of these areas
- Easier to permit recovery well(s) for entities who choose to recover water from within a designated shallow depth-to-water area(s) (No 100yr DTW or 4ft decline requirement)
- Water stored anywhere within the PHXAMA and recovered within designated shallow depth-to-water area(s) would be consistent with the management plan (No 4ft decline requirement)

Discussion – Part 1 of Proposal: Implement Existing Requirements

5MP: Entities recharging in area(s) determined by Director to be experiencing shallow water levels required to recover stored water within facility AOI

Requirements:

- Identify entities recharging at USFs in areas of shallow depth-to-water conditions
- AND-
- Limit recovery of stored water in these shallow depth-to-water areas to the area of impact of the facility only

Implementation Strategies:

- Begins when 5MP becomes effective/no effect on existing LTSCs
- USF maximum AOI (part of permitting process) overlaps Director-defined shallow groundwater area
- Recovery AOI – 1-mile safe harbor or AOHI
- Soliciting input for criteria/definition of area of shallow depth-to-water

Discussion – Part 2 of Proposal: New Requirements for Recovery in Shallow Groundwater Areas

5MP: Add additional language regarding recovery in area(s) determined by Director to be experiencing shallow groundwater conditions

Proposed Requirements:

- Recovery wells located within Director-determined area of shallow depth-to-water deemed consistent with management plan
- Water stored anywhere in PHXAMA recovered in an area of shallow depth-to-water deemed consistent with MP

Results:

- Easier to get recovery wells permitted (no 100-yr DTW or 4ft decline requirements)
- Incentivize recovery in areas of shallow depth-to-water (no 4ft decline requirement)
- Also applies to entities recharging in Director-determined shallow depth-to-water area(s)

Closing



5MP Recharge Subgroup - Progress

Today's Meeting:

- * Introduced proposals
 - * Implementing existing requirements
 - * New requirements for shallow groundwater areas
- * Initial discussion & opportunity for feedback

Next Steps:

- * Questionnaire deadline: 7/28/2021
- * Additional discussions as needed

Next Meeting:

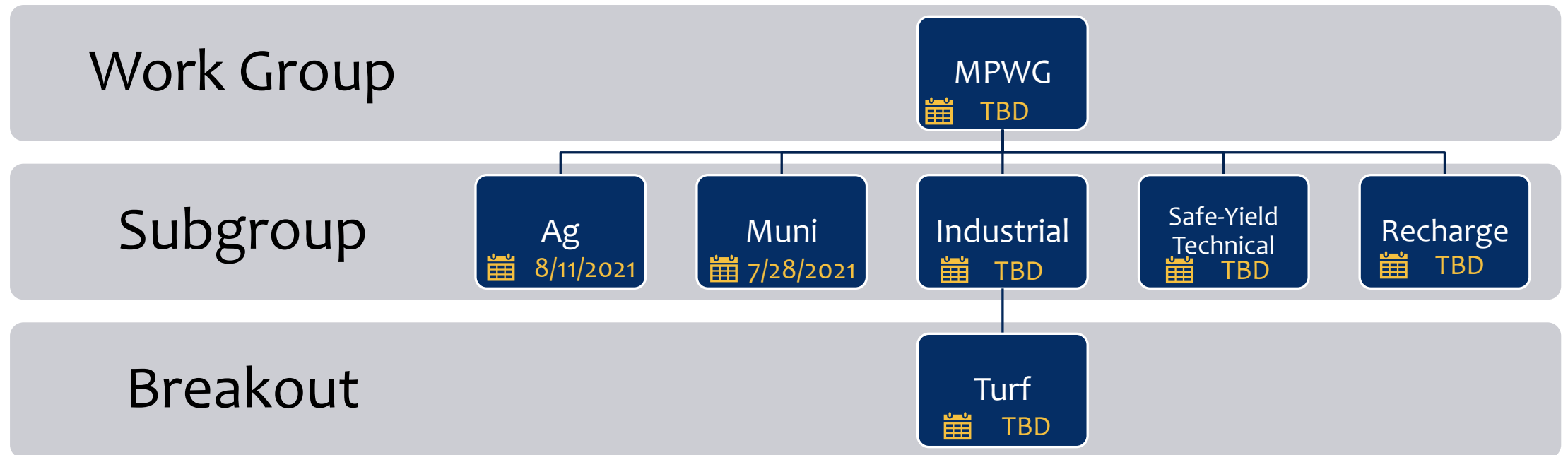


TBD



MPWG Subgroups

{All meeting info is available at new.azwater.gov/5MP/meetings}



Questions?

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Management Plans Work Group:
new.azwater.gov/5MP

Full Text of Management Plans:
new.azwater.gov/ama/management-plans

