5th Management Plans
Municipal Subgroup Meeting
November 17, 2020
• 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 12/1/2020

Link to Google Form Questionnaire: https://forms.gle/UZFdDKzUmNk6EgJu6
I. Welcome

II. Previous Meeting Recap
   I. Non-Per Capita Conservation Program (NPCCP) Update
   II. Questionnaire Responses

III. Discussion of Gallons Per Capita Per Day (GPCD) Program
   I. Data Availability
   II. Method of Setting GPCD Requirements
   III. Flexibility Account

IV. Closing Remarks
Previous Meeting Recap
Municipal Subgroup

NPCCP Summary

* Provider Tiers
  * Proposed tier structure
  * Proposed BMP points requirements per tier
* BMP Points
  * Proposed to continue with BMPs being worth multiple points
* BMP Categories
  * Proposed requirement to earn points from a minimum number of categories per tier
* Planning Category
  * Discussed draft Planning Category and Planning BMPs

GPCD Summary

* Introducing GPCD Program Discussions
* Requesting any ideas or proposals

Possible Additional Discussions
* Alternative Program(s)

Next Meeting:
February 10, 2021
Updated NPPCP Appendix 5C with the proposed Planning Category and planning BMPs

ADWR is requesting feedback on the draft BMPs

https://forms.gle/cs9KMAZMwswL7syG8

Questionnaire deadline: December 31st, 2020
Discussion of Gallons Per Capita Per Day (GPCD) Program
Main Themes from Stakeholder Feedback about the GPCD Program:

* Break down GPCD into residential and non-residential

* Calculations should be simplified

* Calculations should be based off more recent data and water efficiency technology
Limited to large designated providers

Uses a formula to set a GPCD requirement for each provider.
  * Amount of water withdrawn, diverted or received by the provider for non-irrigation use is compared to GPCD requirement to determine compliance.

Program has been relatively static over time, with some adjustments to reduction strategy between Management Plans.

Statutory language is relatively vague
  * “Reasonable reductions in per capita use”
  * “Additional conservation requirements for non-irrigation uses”
Dashboard located at:
https://new.azwater.gov/5MP/plans-concepts
Setting GPCD Requirements
Components

- How to break down components of water use
  - Residential/Non-residential
  - Other ideas?

- Total GPCD without components
4MP GPCD Targets

GPCD Requirement will be the default unless:
Default < Minimum → Minimum
Default > Maximum → Maximum

* Default = Median of total GPCD from 2000-2009
* Minimum = 132 gal/HU + 40 gal/person + 3MP Non-Residential component
* Maximum = 3MP Final GPCD requirement

See Appendix 5A for all details and values
Discussion of 5MP Requirements
Framework and Formulas

- **How to set GPCD requirement**
- **Initial thoughts:**
  - Default bounded by minimum and maximum (Similar to 4MP)
  - Percentage or GPCD reduction could be different for residential and non-residential

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Default</th>
<th>Maximum</th>
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<tr>
<td>• Calculation using historical data and census population (4MP)</td>
<td>• 10-year median minus one standard deviation (4MP)</td>
<td>• 2017 Total GPCD Requirement (4MP)</td>
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<td>• Lowest actual GPCD from previous 10 years</td>
<td>• 10-year rolling average</td>
<td>• Total GPCD Requirement for the previous year</td>
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* Current structure:
  * Providers can accumulate up to 60 GPCD of credits
  * Or incur up to -20 GPCD of debits

* 5MP Options:
  * Same as 4MP
  * +/- a percentage?
  * Other?
Municipal Subgroup

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Possible Additional Discussions

* Alternative Program(s)

Next Meeting:

February 10, 2021
MPWG Subgroups

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

managementplans@azwater.gov

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

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

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