

5th Management Plans Municipal Subgroup Meeting

November 17, 2020



Google Form

- 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>



Agenda

- 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



Draft Appendix 5C – Request for Feedback

- * 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

Stakeholder Feedback about the GPCD Program

Main Themes from Stakeholder Feedback about the GPCD Program:

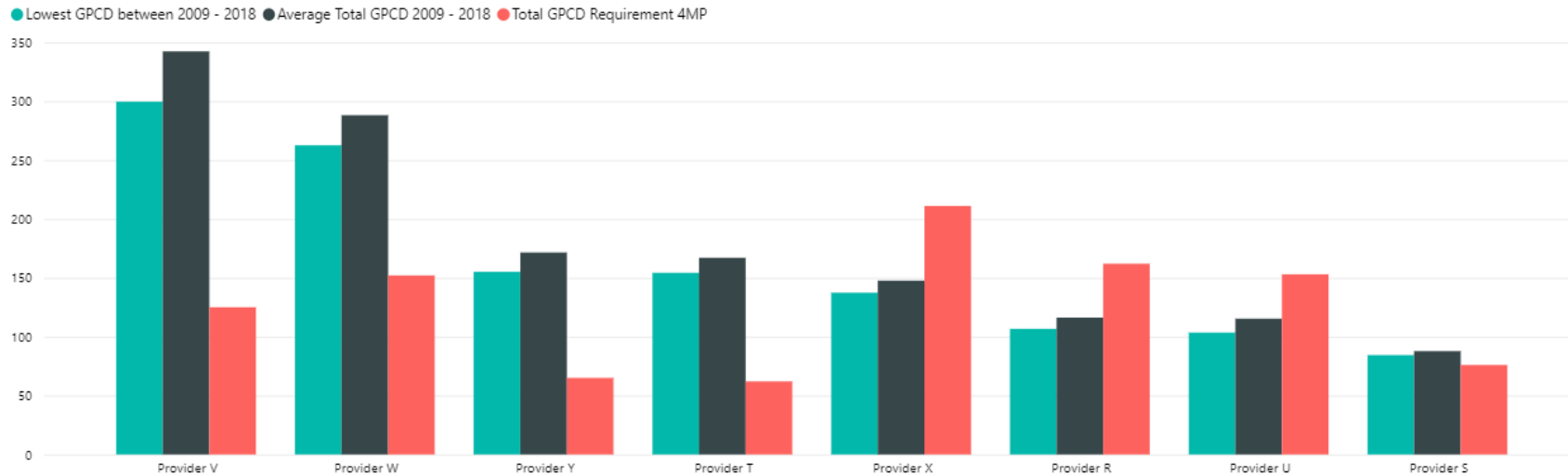
- * Break down GPCD into residential and non-residential
- * Calculations should be simplified
- * Calculations should be based off more recent data and water efficiency technology

Total GPCD Program

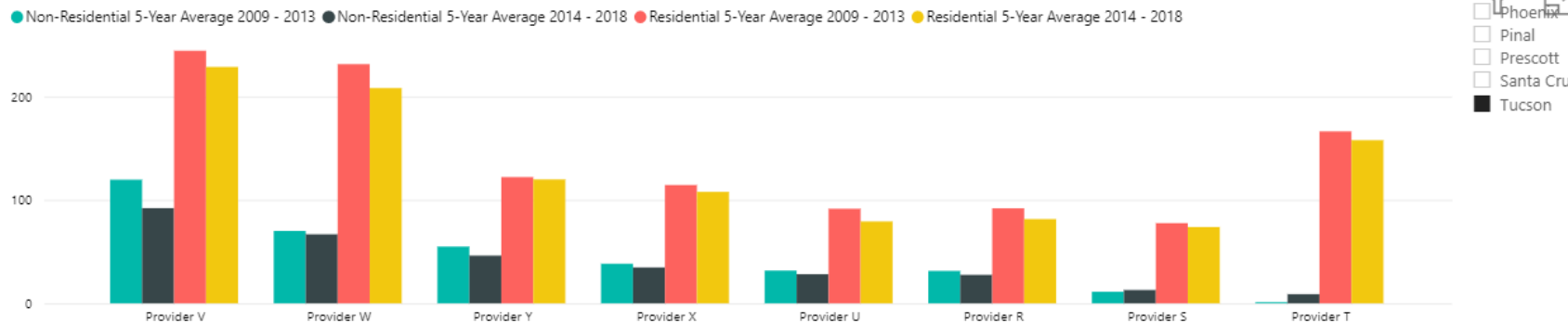
- * Limited to large designated providers
- * Uses a formula to set a GPCD requirement for each provider.
 - * Amount of water withdrawn, diverted or received by the provider for non-irrigation use is compared to GPCD requirement to determine compliance.
- * Program has been relatively static over time, 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”*

Data Availability

Lowest GPCD, Average GPCD, & 4MP GPCD Requirement



Residential & Non-Residential 5-Year Averages



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

Minimum	Default	Maximum
<ul style="list-style-type: none">• Calculation using historical data and census population (4MP)• Lowest actual GPCD from previous 10 years	<ul style="list-style-type: none">• 10-year median minus one standard deviation (4MP)• 10-year rolling average	<ul style="list-style-type: none">• 2017 Total GPCD Requirement (4MP)• Total GPCD Requirement for the previous year



GPCD Compliance – Flexibility Account

- * 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?

Closing Remarks

Municipal Subgroup

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February 10, 2021



MPWG Subgroups

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

Work Group

MPWG

📅 12/16/2020

Subgroup

Ag

📅 12/8/2020

Muni

📅 2/10/2021

Industrial

📅 TBD

Safe-Yield
Technical

📅 1/13/2021

Breakout

Turf

📅 12/3/2020



Questions?

managementplans@azwater.gov

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

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

Natalie Mast
nlmast@azwater.gov (602)771-4646

