



Phoenix AMA Fourth Management Plan Stakeholder Meeting

October 16, 2019

Agenda

- I. Welcome
- II. Update on the Draft Phoenix Fourth Management Plan
 - A. Discussion of ADWR's Recommendations for the Remaining Fourth Management Plans and Refinements to those Recommendations
 - B. Deadline for Comments prior to Promulgation: November 8, 2019
 - C. Promulgation Timeline
- III. Public Comment
- IV. Closing Remarks

Update on the Draft Phoenix Fourth Management Plan



Timeline

4MP

Phoenix
AMA
Adoption

Pinal
AMA
Adoption

Santa
Cruz
AMA
Adoption

2019

2021

2022

2023

MPWG

Drafting
Plans

Adopting
Plans

5MP



Estimated 4MP Adoption Timeline

1. Initial Draft Published

2. GUAC and Public Comments

3. Updated Draft Published

4. Public Hearing

5. Final Adoption

Phoenix AMA

- **Final Adoption: Summer 2020**
- **Programs Effective: January 2023**

Pinal AMA

- **Final Adoption: Fall 2020**
- **Programs Effective: January 2023**

Santa Cruz AMA

- **Final Adoption: Winter 2020**
- **Programs Effective: January 2023**

Conservation Program Requirements go into effect at least 2 years after a plan is adopted. ADWR shifts the actual effective date past the 2 year mark to line up with Reporting Years.





Conservation Program Changes

Program	Provision	3MP	Adopted 4MPs	Remaining 4MPs
Ag – Districts	Line canals or 10% or less L&U	“10% or more of water deliveries for irrigation use”	“any water for irrigation use”	“any water for irrigation use”
Ag – Base	High Water Duty Adjustment	No change	No change	Top 25% of water duties reduced by up to 10%, within specific limitations
Ag – BMP	Points target	10 points	10 points	12 points
Ag – BMP	Points restructuring	Points accrued from 4 Categories	No change	Point values modified in Categories 1 & 2
Muni – GPCD	GPCD target	Recalculated with each Management Plan		
Muni - NPCCP	BMP or Points target	Tier 1 = 1 BMP Tier 2 = 5 BMPs Tier 3 = 10 BMPs	No change	Tier 1 = 2 points Tier 2 = 8 points Tier 3 = 15 points
Muni – NPCCP	Points restructuring	All items count as 1 BMP	No change	Certain BMPs count as multiple points
Industrial – Turf	Application Rate (AF/acre)	Calculated based on 75% Irrigation Efficiency	No change	Baseline rate calculated using 77.5% irrigation efficiency, with rate increasing on curve as acres per hole decreases
Industrial – Turf	Acres of turf	Certain golf courses limited to 5 acres of turf per hole	No change	Limitation applies to additional turf-related facilities

Industrial Turf Program

Turf Application Rate (AF/ac)

	3MP	New*	Effective
Prescott	4.9	4.75	TBD
Phoenix	4.9	4.75	4MP
Pinal	4.8	4.65	4MP
Tucson	4.6	4.45	TBD
Santa Cruz	4.6	4.45	4MP

* Turf application rate applies to non-golf course turf facilities, and is the baseline for the formula used for turf/planted acres for golf courses.

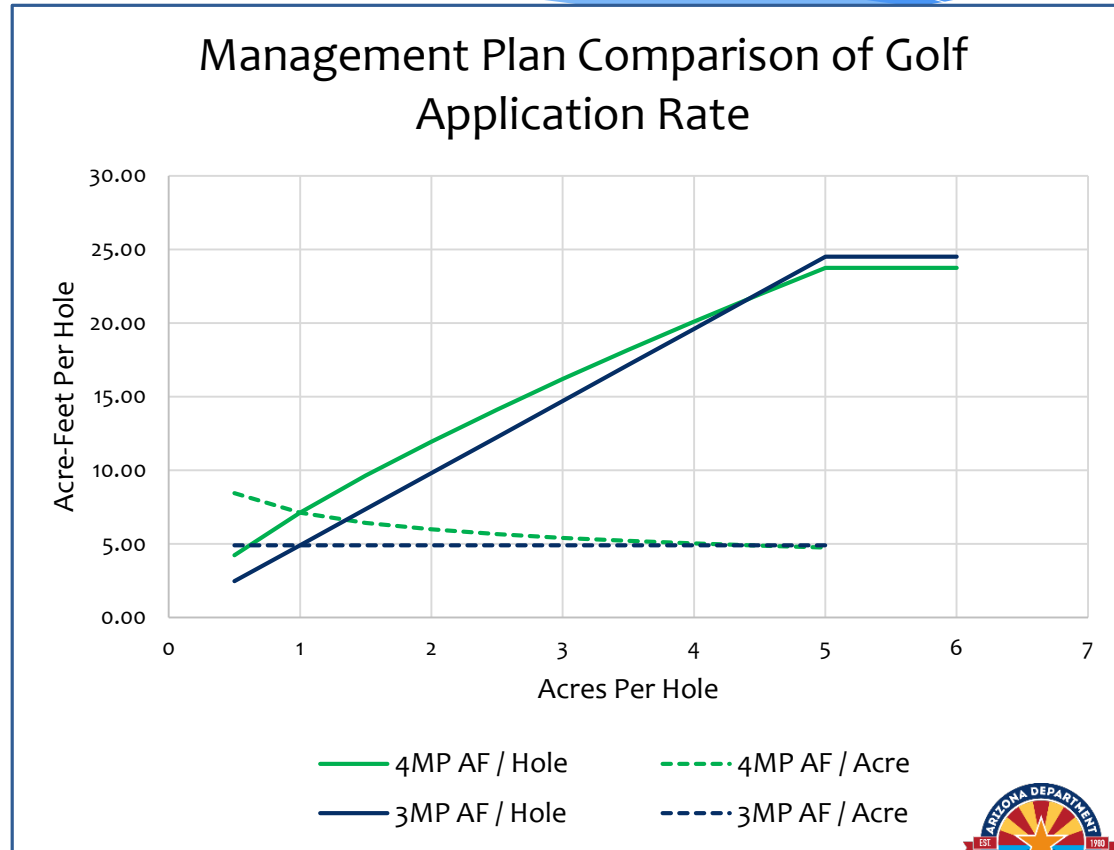


Golf Courses

Max AF per Hole = 23.75

$x = 0.75$

Acres / Hole	3MP AF / Acre	4MP AF / Acre
0.5	4.9	8.45
1		7.10
1.5		6.42
2		5.97
2.5		5.65
3		5.40
3.5		5.19
4		5.02
4.5		4.88
5		4.75



Golf Courses

New Turf/Planted Acres Application Rate Calculation:

$$AF \text{ Per Acre} = \frac{\left(\frac{\text{Maximum AF Per Hole}}{5^x \text{ Acres Per Hole}} \right) * \text{Actual Acres Per Hole}^x}{\text{Actual Acres Per Hole}}$$

- * Formula makes the application rate a function of the acres per hole:
 - * Less acres per hole translates to a higher application rate.
 - * x is a factor which determines the rate at which the application rate changes as the actual acres per hole changes.
- * *Phoenix AMA Recommendation:*
 - * $\text{Max AF per Hole} = 23.75$
 - * $x = 0.75$



Estimated 4MP Adoption Timeline – Phoenix AMA

July
2019

- Initial Draft Published
- Complete

July-Nov
2019

- GUAC and Public Comments
- In Progress - Comments accepted through 11/8/2019

Nov
2019

- Updated Draft Published and Final GUAC Recommendation
- GUAC Meeting scheduled for 11/18/2019

Jan
2020

- Promulgation Order
- Open formal comment period

Feb
2020

- Hearing
- Close formal comment period

Summer
2020

- Final Adoption



Public Comment



Upcoming Meetings:

5MP Turf Breakout Meeting: 10/24 at 1pm

5MP Municipal Subgroup Meeting: 11/13 at 2pm

Phoenix AMA GUAC Meeting: 11/18 at 9:30am

5MP Agricultural Subgroup Meeting: 11/18 at 2pm

GWAICC Meeting: 12/3 at 10am

Management Plans Work Group Meeting: 12/4 at 2pm

Draft Phoenix 4MP
Informal Comments will be
accepted through 11/8/2019

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