Welcome

The meeting will begin shortly, in the meantime please,

• Keep your phone muted during the meeting.

• If you have a question/comment during the meeting type it in the chat box and it will be read and addressed at the end of each presentation.

• During the Call to public people will have the option to speak to the Council.

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1. **Call to Order – Welcome & Introductions – Chair**

2. **Webinar Logistics – Kennedy Shepard, ADWR**

3. **Colorado River Update – Rachel Von Gnechten, ADWR**

4. **Arizona Water Brank Authority Preliminary 2022 Plan of Operation – Virginia O’Connell, AWBA**
   
   Virginia will present the AWBA 2022 Preliminary Plan of Operation to the GUAC and the public.

5. **Groundwater Withdrawal Fee Recommendation & WMAP**
   
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance - Kyle Miller, ADWR
   
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8. **Call to the Council – Council**

9. **Call to the Public – Chair**

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Webinar Logistics

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COLORADO RIVER BASIN
STATUS UPDATE

Presented to:
Groundwater Users Advisory Council
Tucson Active Management Area
September 23, 2021
TOTAL SYSTEM CONTENTS – 38% or 23.188 MAF
(Total system contents last year 48% or 29.198 MAF)

September 2021
Updated as of September 19, 2021

Lake Powell
- 30% 7.377 MAF
- 3,547.06 ft
- 3,659 ft, WY 2021 Equalization Level

Lake Mead
- 35% 9.012 MAF
- 1,067.63 ft
- 1,075 ft, First Tier Shortage

Data Source: United States Bureau of Reclamation
Snow Water Equivalent

Conditions as of September 21, 2021

Peak SWE at 89% of Median on March 30
Lake Powell Unregulated Inflow
Water Year 2021 and 2022 Forecast
(Based on September 2021 24-Month Study)

**Water Year 2022 Forecast**
- Sept Min Prob: 4.74 maf (44%) (49%)
- Sept Most Prob: 8.20 maf (76%) (85%)
- Sept Max Prob: 16.00 maf (148%) (167%)

**April-July 2022 Forecast**
- Sept Min Prob: 2.77 maf (39%) (43%)
- Sept Most Prob: 5.69 maf (79%) (89%)
- Sept Max Prob: 11.57 maf (162%) (181%)

2021 Observed and Projected
- Observed April-July: 1.85 maf (26%) (29%)
- Projected Water Year: 3.56 maf (33%) (37%)

*50-year Temperature and precipitation averages and statistics are calculated every decade by the National Oceanic and Atmospheric Administration, the latest statistics were released on May 4th, 2021.*
Lake Mead End of Month Elevations

Projections from the September 2021 24-Month Study Inflow Scenarios

**Surplus Conditions**: 1,145 ft and above

**Normal Condition**: 1,145 ft to 1,075 ft

**Level 1 Shortage Condition**: 1,075 ft to 1,050 ft

**Level 2 Shortage Condition**: 1,050 ft to 1,025 ft

**Level 3 Shortage Condition**: 1,025 ft and below

**Historical Elevations**

- **Most Probable End of CY 2021 Projection**: 1,066.09 feet (34% full)
  - Min/Max Range: 1,065.82 to 1,066.76 feet

- **Most Probable End of CY 2022 Projection**: 1,050.68 feet (30% full)
  - Min/Max Range: 1,047.90 to 1,061.19 feet

**Source**: Bureau of Reclamation

*The Drought Response Operations Agreement (DROA) is available online at: https://www.usbr.gov/dcp/finaldocs.html.*
## Lower Basin Side Inflows – WY/CY 2021¹,²

Intervening Flow from Glen Canyon to Hoover Dam

<table>
<thead>
<tr>
<th>Month in WY/CY 2021</th>
<th>5-Year Average Intervening Flow (kaf)</th>
<th>Observed Intervening Flow (kaf)</th>
<th>Observed Intervening Flow (% of Average)</th>
<th>Difference From 5-Year Average (kaf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 2020</td>
<td>58</td>
<td>35</td>
<td>60%</td>
<td>-23</td>
</tr>
<tr>
<td>November 2020</td>
<td>71</td>
<td>56</td>
<td>79%</td>
<td>-15</td>
</tr>
<tr>
<td>December 2020</td>
<td>67</td>
<td>59</td>
<td>88%</td>
<td>-8</td>
</tr>
<tr>
<td>January 2021</td>
<td>95</td>
<td>72</td>
<td>75%</td>
<td>-23</td>
</tr>
<tr>
<td>February 2021</td>
<td>97</td>
<td>55</td>
<td>57%</td>
<td>-42</td>
</tr>
<tr>
<td>March 2021</td>
<td>111</td>
<td>33</td>
<td>30%</td>
<td>-78</td>
</tr>
<tr>
<td>April 2021</td>
<td>81</td>
<td>36</td>
<td>45%</td>
<td>-45</td>
</tr>
<tr>
<td>May 2021</td>
<td>50</td>
<td>28</td>
<td>55%</td>
<td>-23</td>
</tr>
<tr>
<td>June 2021</td>
<td>29</td>
<td>-14</td>
<td>-48%</td>
<td>-43</td>
</tr>
<tr>
<td>July 2021</td>
<td>64</td>
<td>93</td>
<td>146%</td>
<td>29</td>
</tr>
<tr>
<td>August 2021</td>
<td>81</td>
<td>89</td>
<td>109%</td>
<td>7</td>
</tr>
<tr>
<td>September 2021</td>
<td>71</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>October 2021</td>
<td>58</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>November 2021</td>
<td>71</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>December 2021</td>
<td>67</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WY 2021 Totals</td>
<td>876</td>
<td>612</td>
<td>70%</td>
<td>-264</td>
</tr>
<tr>
<td>CY 2021 Totals</td>
<td>876</td>
<td>659</td>
<td>75%</td>
<td>-217</td>
</tr>
</tbody>
</table>

¹ Values were computed with the LC's gain-loss model for the most recent 24-month study.
² Percent of average are based on the 5-year mean from 2016-2020.

Source: Bureau of Reclamation
## Upper Basin – Lake Powell

**Percent of Traces with Event or System Condition**

Results from August 2021 CRSS *without Upper Basin Drought Response Operations* (values in percent)

<table>
<thead>
<tr>
<th>Event or System Condition</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equalization Tier (Powell ≥ Equalization [EQ] Elevation)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Equalization – annual release &gt; 8.23 maf</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Equalization – annual release = 8.23 maf</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Upper Elevation Balancing Tier (Powell &lt; EQ Elevation and ≥ 3,575 ft)</td>
<td>0</td>
<td>16</td>
<td>25</td>
<td>28</td>
<td>31</td>
</tr>
<tr>
<td>Upper Elevation Balancing – annual release &gt; 8.23 maf</td>
<td>0</td>
<td>16</td>
<td>25</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>Upper Elevation Balancing – annual release = 8.23 maf</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Upper Elevation Balancing – annual release &lt; 8.23 maf</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mid-Elevation Release Tier (Powell &lt; 3,575 and ≥ 3,525 ft)</td>
<td>100</td>
<td>38</td>
<td>44</td>
<td>34</td>
<td>28</td>
</tr>
<tr>
<td>Mid-Elevation Release – annual release = 8.23 maf</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Mid-Elevation Release – annual release = 7.48 maf</td>
<td>100</td>
<td>38</td>
<td>44</td>
<td>28</td>
<td>19</td>
</tr>
<tr>
<td>Lower Elevation Balancing Tier (Powell &lt; 3,525 ft)</td>
<td>0</td>
<td>47</td>
<td>31</td>
<td>31</td>
<td>34</td>
</tr>
<tr>
<td>Below Minimum Power Pool (Powell &lt; 3,490 ft)</td>
<td>3</td>
<td>34</td>
<td>25</td>
<td>28</td>
<td>34</td>
</tr>
<tr>
<td>Below Minimum Power Pool (Powell &lt; 3,490 ft) in any month</td>
<td>3</td>
<td>34</td>
<td>25</td>
<td>28</td>
<td>34</td>
</tr>
</tbody>
</table>

**Notes:**

1. Modeled operations include the 2007 Interim Guidelines, Lower Basin Drought Contingency Plan, and Minute 323, including the Binational Water Scarcity Contingency Plan.
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(Source: Bureau of Reclamation)
# Lower Basin – Lake Mead

## Percent of Traces with Event or System Condition

**Results from August 2021 CRSS** without Upper Basin Drought Response Operations (values in percent)

<table>
<thead>
<tr>
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<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surplus Condition – any amount (Mead ≥ 1,145 ft)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Surplus – Flood Control</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Normal or ICS Surplus Condition (Mead &lt; 1,145 and &gt; 1,075 ft)</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Recovery of DCP ICS / Mexico’s Water Savings (Mead ≥ 1,110 ft)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,090 and &gt; 1,075 ft)</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Shortage Condition – any amount (Mead ≤ 1,075 ft)</td>
<td>100</td>
<td>97</td>
<td>97</td>
<td>100</td>
<td>91</td>
</tr>
<tr>
<td><strong>Shortage / Reduction – 1st level (Mead ≤ 1,075 and ≥ 1,050)</strong></td>
<td>100</td>
<td>75</td>
<td>28</td>
<td>22</td>
<td>16</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,075 and &gt; 1,050 ft)</td>
<td>100</td>
<td>75</td>
<td>28</td>
<td>22</td>
<td>16</td>
</tr>
<tr>
<td><strong>Shortage / Reduction – 2nd level (Mead &lt; 1,050 and ≥ 1,025)</strong></td>
<td>0</td>
<td>22</td>
<td>66</td>
<td>38</td>
<td>34</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,050 and &gt; 1,045 ft)</td>
<td>0</td>
<td>16</td>
<td>3</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,045 and &gt; 1,040 ft)</td>
<td>0</td>
<td>6</td>
<td>13</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,040 and &gt; 1,035 ft)</td>
<td>0</td>
<td>0</td>
<td>13</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,035 and &gt; 1,030 ft)</td>
<td>0</td>
<td>0</td>
<td>13</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead ≤ 1,030 and ≥ 1,025 ft)</td>
<td>0</td>
<td>0</td>
<td>25</td>
<td>6</td>
<td>22</td>
</tr>
<tr>
<td><strong>Shortage / Reduction – 3rd level (Mead &lt; 1,025)</strong></td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>41</td>
<td>41</td>
</tr>
<tr>
<td>DCP Contribution / Mexico’s Water Savings (Mead &lt; 1,025 ft)</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>41</td>
<td>41</td>
</tr>
</tbody>
</table>

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Source: Bureau of Reclamation
Questions?

Rachel von Gnechten
rvongnechten@AZWater.gov

Additional Resources

- Arizona Reconsultation Committee: https://new.azwater.gov/arc
- Colorado Basin River Forecast Center: https://www.cbrfc.noaa.gov/
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2022 Preliminary AWBA Plan of Operation

Groundwater Users Advisory Council
Tucson AMA

Presented By
Virginia O’Connell
September 23, 2021
2022 Preliminary Plan of Operation

- Tier 1 Shortage Condition
- No Excess CAP water available to AWBA
- Goals achieved through other means
  - Long-term Storage Credit purchases
  - Intentionally Created Surplus Firming Credits
- AWBA Tribal firming requirement
### 2022 Water and Facility Rates

<table>
<thead>
<tr>
<th>Recharge Rates</th>
<th>Cost / Acre-foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAWCD delivery rate for AWBA</td>
<td>$242.00</td>
</tr>
<tr>
<td>Groundwater Savings Facility operator cost share rate¹</td>
<td></td>
</tr>
<tr>
<td>Phoenix and Pinal AMAs</td>
<td>$34.00</td>
</tr>
<tr>
<td>Tucson AMA</td>
<td>$16.00</td>
</tr>
<tr>
<td>Underground Storage Facility rate paid by AWBA</td>
<td></td>
</tr>
<tr>
<td>CAWCD – Phoenix Facilities</td>
<td>$13.00</td>
</tr>
<tr>
<td>CAWCD – Tucson Facilities</td>
<td>$15.00</td>
</tr>
<tr>
<td>Tucson Water - Clearwater Facilities</td>
<td>$19.78</td>
</tr>
</tbody>
</table>

¹ This rate is paid directly to CAP by the GSF operators and is not available as revenue to the AWBA.
# Funding for 2022 Plan of Operation

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Estimated Funds Available</th>
<th>Estimated Funds Utilized</th>
<th>Estimated Credits (AF)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AWBA</td>
<td>CAWCD</td>
<td>AWBA</td>
</tr>
<tr>
<td>Withdrawal Fees</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phoenix AMA</td>
<td>$866,600</td>
<td>-</td>
<td>$866,400</td>
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<tr>
<td>Tucson AMA</td>
<td>$396,000</td>
<td>-</td>
<td>$396,000</td>
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<tr>
<td>Water Storage Tax</td>
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<tr>
<td>Phoenix AMA</td>
<td>$0</td>
<td>$4,000,000</td>
<td>$0</td>
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<tr>
<td>Pinal AMA</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Tucson AMA</td>
<td>$0</td>
<td>$3,000,000</td>
<td>$0</td>
</tr>
<tr>
<td>Total Funds Available</td>
<td>$8,262,600</td>
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</tr>
<tr>
<td>Total Funds Expended</td>
<td>$8,262,400</td>
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<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Estimated Credits and Firming Volumes thru 2022

<table>
<thead>
<tr>
<th>Objective and Location</th>
<th>Credits Available</th>
<th>Estimated Credits Used</th>
<th>Estimated Credits Remaining</th>
<th>Estimated Firming Volumes Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAP M&amp;I Firming (4-cent tax)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phoenix AMA</td>
<td>1,572,092</td>
<td>0</td>
<td>1,572,092</td>
<td>1,885,000 – 2,985,000</td>
</tr>
<tr>
<td>Pinal AMA</td>
<td>233,740</td>
<td>0</td>
<td>233,740</td>
<td>293,000 – 463,000</td>
</tr>
<tr>
<td>Tucson AMA</td>
<td>509,278</td>
<td>0</td>
<td>509,278</td>
<td>1,040,000 – 1,647,000</td>
</tr>
<tr>
<td><strong>On-River M&amp;I Firming (gen. fund)</strong></td>
<td>403,830</td>
<td>0</td>
<td>403,830</td>
<td>221,000 – 359,000</td>
</tr>
<tr>
<td><strong>Tribal Settlement Obligations:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRIC - 15,000 AFY</td>
<td>176,151</td>
<td>8,112</td>
<td>168,039</td>
<td>456,000 – 577,000</td>
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<tr>
<td>LTSCs</td>
<td>105,390</td>
<td>0</td>
<td>105,390</td>
<td></td>
</tr>
<tr>
<td>Firming Credits</td>
<td>44,000</td>
<td>8,112</td>
<td>35,888</td>
<td></td>
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<tr>
<td>ICS Firming Credits</td>
<td>26,761</td>
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<td>26,761</td>
<td></td>
</tr>
<tr>
<td>WMAT - 3,750 AFY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>112,000 – 142,000</td>
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<td>Hualapai - 557.5 AFY</td>
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<td>0</td>
<td>0</td>
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<td>0</td>
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<td>Federal Assistance (SAWRSA)</td>
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<td>34,102</td>
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</tr>
<tr>
<td><strong>Groundwater Mgmt</strong> (W/Fees)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Phoenix AMA</td>
<td>251,411</td>
<td>0</td>
<td>251,411</td>
<td>N/A</td>
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<tr>
<td>Pinal AMA</td>
<td>417,453</td>
<td>0</td>
<td>417,453</td>
<td></td>
</tr>
<tr>
<td>Tucson AMA</td>
<td>112,769</td>
<td>0</td>
<td>112,769</td>
<td></td>
</tr>
</tbody>
</table>

1. Actuals through September 2021; October through December estimated.
2. Based on modeling results identified in the AWBA 2020 Annual Report.
3. WMAT enforceability date is April 30 2023; Hualapai firming subject to congressional approval.
4. Withdrawal Fee LTSCs may be used for CAP M&I firming and/or Tribal settlement obligations if needed.
Questions?

September 23, 2021
waterbank.az.gov
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Link to Governor’s Water Council Webpage: https://new.azwater.gov/gwaicc
Council Updates

The Council last met on September 16, 2021 (Meeting Recording)

I. Welcome and Introductions

II. Update on Colorado River Shortage – Council Chair, ADWR Director Tom Buschatzke

III. Committee Updates
   a. Non-AMA Groundwater Committee
   b. Desalination Committee
   c. Long-Term Water Augmentation Committee
   d. Post-2025 AMAs Committee

IV. Overview of AMA Agriculture Best Management Practices (BMPs) Program – Natalie Mast, AMA Director Management Plans

V. Closing Remarks

VI. Next Meeting
   December 9, 2021, 10:00 a.m. - 12:00 p.m.

VII. Adjournment
Non-AMA Groundwater Committee:
* Meeting scheduled for October 14\textsuperscript{th} from 10:00am-noon
  - Login information and agenda posted (Link)

Desalination Committee:
* Provided an overview of the work of the committee to date
  - Summarized the work of the Legal & Regulatory Subcommittee, as well as the Brackish Groundwater and Arizona Law presentation, given by ADWR Deputy Counsel, Jennifer Heim. (Link)

* Two recommendations brought to the Council:
  1) Recommended brackish groundwater continue to be regulated as it is, as groundwater.
  2) Recommended that unless the Council identifies additional tasks to pursue, the committee be put on standby until recalled for additional work.
Long-Term Water Augmentation Committee:
* Summarized the Enhanced Aquifer Recharge presentation, given by ADWR Senior Research Hydrologist, Keith Nelson.
* Plan to continue discussions on potential for recharging stormwater/flood runoff in subsequent meetings.

Storage Sites Subcommittee
- Submitted Potential Water Storage Sites on State Trust Land Report, required by HB 2249. ([Link](#))
- Staff is working to finalize and incorporate comments on the Draft Guide to Underground Water Storage Site Selection ([Link](#))

Post-2025 AMAs Committee:
* Summarized the presentations on the 3 identified issues; Groundwater in the Assured Water Supply Program (June 22); Unreplenished Groundwater Demand (Aug 10); Hydrologic Disconnect (Sep 9)
* Meeting scheduled for October 5th from 1:00-3:00pm
  - Login information posted ([Link](#))
  - Topic: Prescott AMA Exempt Well Group Concepts
* Meeting scheduled for October 27th from 1:00-3:00pm
  - Topic: Development of Solutions
Thank you!

Jenna Norris  
Council Coordinator  
jnorris@azwater.gov  
Office Phone:  602-771-5262

John Riggins  
Statewide Planning Manager  
jrriggins@azwater.gov  
Office Phone:  602-771-4782

ADWR Website: [https://new.azwater.gov/](https://new.azwater.gov/)  
ADWR Phone: 602-771-8500

Link to ADWR Contacts: [https://new.azwater.gov/adwr/contact-us](https://new.azwater.gov/adwr/contact-us)
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Management Plans Update

Tucson AMA GUAC Meeting
September 23, 2021

Natalie Mast
AMA Director – Management Plans
A.R.S. § 45-563 (A)

“The director shall develop a management plan for each initial active management area for each of five management periods... and shall adopt the plans only after public hearings... The plans shall include a continuing mandatory conservation program... designed to achieve reductions in withdrawals of groundwater.”
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
5MP Concepts Webpage
https://new.azwater.gov/5MP/plans-concepts
“The groundwater users advisory council shall:

1. Advise the area director for the active management area, 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.

2. Keep the minutes of its meetings and all records, reports and other information relative to its work and programs in permanent form indexed and systematically filed.

3. Elect from its members a chairman and vice-chairman for terms of two years expiring on the third Monday of January of each even numbered year.

4. Designate the person or persons who shall execute all documents and instruments on behalf of the council.

5. Manifest and record its actions by motion, resolution or other appropriate means.

6. Make a complete record of its proceedings which shall be open to public inspection during regular business hours in the branch office of the department in the active management area.

7. Provide comment to the Arizona water banking authority with regard to draft plans for additional storage facilities and draft plans of operation in accordance with sections 45-2453 and 45-2456.”
ADWR plans to seek recommendations from the GUAC on the draft Tucson AMA Fifth Management Plan in an upcoming meeting of the Council.

The draft will be published in January and will be sent via email to each member. We can provide a hard copy upon request.

We ask that the Council be prepared to discuss and make recommendations on the plan at the February meeting.

➢ Goal of completing 5MP adoptions for all five AMAs by the end of 2022
Management Plan Promulgation

- **Promulgation Order**
- **Hearing**
  - Comment Period: 30-60 days
  - 30 days

- **Summary of Findings Published**
  - Potential for rehearing or review

- **Final Order of Adoption**

- **Management Plan becomes Effective**

- **Notices of Conservation Requirements are mailed**

- **Conservation Requirements become Effective**

- **Summary of Findings Published**
  - 2 weeks in newspapers

- **Final Order of Adoption**
  - within 30 days

- **Management Plan becomes Effective**
  - > 2 years
Questions?

Natalie Mast
nlmast@azwater.gov

new.azwater.gov/5MP

Concepts page:
https://new.azwater.gov/5MP/plans-concepts

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

Management Plans Work Group:
For questions about meetings or to submit comments:
managementplans@azwater.gov
Agricultural Best Management Practices Advisory Committee Recommendations:

* Updates to the List of Approved BMPs
* Update to Points Targets

<table>
<thead>
<tr>
<th>BMP Category</th>
<th>New BMPs</th>
<th>Updated BMPs</th>
<th>Minimum Points Required</th>
<th>Maximum Points Allowed</th>
</tr>
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<tbody>
<tr>
<td>Section I: 1. Water Conveyance System Improvements</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Section I: 2. Farm Irrigation Systems</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Section I: 3. Irrigation Water Management Practices</td>
<td>2</td>
<td>6</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Section I: 4. Agronomic Management Practices</td>
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<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Section II: Procedure for New BMP</td>
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<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total</td>
<td>9</td>
<td>13</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>
* Allotment based program
* Allows multiple IGFRs under the same owner/operator to combine reporting/allotments
* Will include a "cut to the aquifer" percentage reduction of the total combined allotment.
* Draft legal language available:
  * Draft 5MP Agricultural Regulatory Language
**Municipal Non-Per Capita Program**

<table>
<thead>
<tr>
<th>Service Connections</th>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Service Connections</th>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Number of categories that BMP points must be earned from</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 5,000</td>
<td>1</td>
<td>3</td>
<td>0 – 1,000</td>
<td>1</td>
<td>3</td>
<td>2 or more categories</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>1,001 – 5,000</td>
<td>2</td>
<td>5</td>
<td>3 or more categories</td>
</tr>
<tr>
<td>5,001 – 30,000</td>
<td>2</td>
<td>8</td>
<td>5,001 – 30,000</td>
<td>3</td>
<td>10</td>
<td>4 or more categories</td>
</tr>
<tr>
<td>30,001 +</td>
<td>3</td>
<td>15</td>
<td>30,001 +</td>
<td>4</td>
<td>20</td>
<td>5 or more categories</td>
</tr>
</tbody>
</table>
Draft legal language available:

* Draft 5MP Municipal Regulatory Language
Industrial – Golf Course Conservation Program

Goals

* Reduce Withdrawals of Groundwater
* Equitable
* Incorporate Realistic Practices
* Transparency/Simplicity

Final Golf Conservation Structure

* 3 Components:
  * Allotment Method
  * Allotment Additions
  * Effluent Adjustment
## Industrial – Non-Golf Turf Conservation Program

<table>
<thead>
<tr>
<th>Category</th>
<th>Application Rate (AF/Acre)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Prescott</td>
</tr>
<tr>
<td>Turf</td>
<td>4.17</td>
</tr>
<tr>
<td>Low Water Use Landscaped Area</td>
<td>0.74</td>
</tr>
<tr>
<td>Total Water Surface Area</td>
<td>5.5</td>
</tr>
</tbody>
</table>
Department held a public meeting detailing and discussing issues and proposals on July 14, 2021.

- Potential proposals would simplify the programs and reduce regulatory burden while meeting the goals of the program and maintaining sound water management practices
- ADWR staff is currently considering the feedback received from stakeholders.
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