Welcome

• Please keep your phone muted during the meeting.

• Type your question/comment 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.

• With any technical difficulties please contact ADWR Help Desk at 602-771-8444 or tickets@azwater.gov
1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   1. 2020 Annual Report Update
6. GWAICCC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICCC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
1. Call to Order - Chair

2. Webinar Logistics – Kennedy Shepard, ADWR

3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR

4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council

5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update

6. GWAICC Updates - Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICC activities and progress.

7. Management Plans Update - Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities

8. Call to Council - Council

9. Call to Public - Chair

10. Adjournment - Chair
Webinar Logistics

- Please keep your phone muted during the meeting.

- Type your question/comment 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.

- This meeting is being recorded and will be posted, along with the presentations, to ADWR’s website.

- With any technical difficulties please contact ADWR Help Desk at 602-771-8444 or tickets@azwater.gov.
1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICCC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICCC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
Santa Cruz AMA

GROUNDWATER DATA & STREAM FLOW
Figure 3A - Tucson & Santa Cruz AMAs
Cienega Creek & San Rafael Basins
2020 Basin Sweeps Water Levels
Question?

Nick Valverde
navalverde@azwater.gov

Cell 602-733-1816
1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICCC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICCC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
Meeting Agenda

1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
# 2020 Annual Reporting

## Total Reports Received by Filing Method

<table>
<thead>
<tr>
<th>SECTOR</th>
<th>FILED ONLINE</th>
<th>HARD COPY</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICULTURE</td>
<td>1729</td>
<td>1439</td>
<td>3168</td>
</tr>
<tr>
<td>BMPS</td>
<td>206</td>
<td></td>
<td>206</td>
</tr>
<tr>
<td>INDUSTRIAL</td>
<td>1160</td>
<td>520</td>
<td>1680</td>
</tr>
<tr>
<td>IRRIGATION DISTRICT</td>
<td>2</td>
<td>39</td>
<td>41</td>
</tr>
<tr>
<td>MUNICIPAL</td>
<td>18</td>
<td>254</td>
<td>272</td>
</tr>
<tr>
<td>RECHARGE</td>
<td>18</td>
<td>696</td>
<td>714</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2927</strong></td>
<td><strong>3154</strong></td>
<td><strong>6081</strong></td>
</tr>
</tbody>
</table>

Includes Filed on Behalf Of

**AMA**
- DOUGLAS INA
- HARRAHALA VALLEY INA
- JOSEPH CITY INA
- NOT WITHIN ANY AMA OR INA
- PHOENIX AMA
- PINAL AMA
- PRESCOTT AMA
- SANTA CRUZ AMA
- TUCSON AMA

### Reports Received

- 6.08K
New Resources

Agricultural Program Webpage

Industrial Program Webpage

Municipal Program Webpage
Meeting Agenda

1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICCC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICCC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
Arizona Department of Water Resources

Governor’s Water Augmentation, Innovation, and Conservation Council (Council)
Updates

Jenna Norris
Council Coordinator
Arizona Department of Water Resources
Link to Governor’s Water Council Webpage:  https://new.azwater.gov/gwaicc
Committee Updates:

• **Long-Term Water Augmentation Committee**
  * Finance Subcommittee findings/report; Daniel Dialessi of the Water Infrastructure Finance Authority on the Water Supply Development Fund; Potential Water Storage Sites on Arizona State Trust Land & accompanying guide.

• **Desalination Committee**
  * Findings of legal/regulatory subcommittee. Tasked to resolve any remaining legal questions at upcoming Committee meeting

• **Post-2025 AMAs**
  * Timeline and Strategy to address 3 selected Issue Briefs and Solutions Phase

Other Agenda Items Included:

• Presentation from Speaker Rusty Bowers on the Drought Mitigation Revolving Fund by Speaker Rusty Bowers

• Discussion of Additional Management Periods
  * Previously Introduced Legislation (SB1512) – Representative Gail Griffin
  * ADWR Proposal (2018) – Chair, Director Tom Buschatzke

Council Updates

The Council last met on July 15, 2021

(Meeting Recording)
Next Council Meeting is scheduled for September 16, 2021, from 10am – 12pm

* See link to Council Meeting Webpage for WebEx Login:
  * [https://new.azwater.gov/gwaicc/meeting/governor%E2%80%99s-water-augmentation-innovation-and-conservation-council](https://new.azwater.gov/gwaicc/meeting/governor%E2%80%99s-water-augmentation-innovation-and-conservation-council)
Committee Updates

Non-AMA Groundwater Committee – Representative Gail Griffin and Jamie Kelley

- Last met on December 10, 2020 ([Meeting Recording](#))
- Presentation by the Department’s Chief Counsel, Ken Slowinski, on Irrigation Non-Expansion Areas (INAs)
- Presentation by Representative Cobb on introduced legislation for establishing Rural Groundwater Management Areas
- Next Meeting is TBD

Desalination Committee – Henry Day (replaced Philip Richards)

- Last met on August 26, 2021 ([Meeting Recording](#))
- Presentation from the Department’s Legal Counsel, Jennifer Heim, on Brackish Groundwater and Arizona Law
- Next meeting is TBD
Committee Updates

• **Long-Term Water Augmentation Committee – Wade Noble**
  - Last met on August 3, 2021 ([Meeting Recording](#))
  - Presentation by ADWR Senior Research Hydrologist, Keith Nelson, on Enhanced Aquifer Recharge.
  - Plan to continue the conversation around potential for recharging stormwater/flood runoff in subsequent meetings
  - Next meeting is TBD

• **Storage Sites Subcommittee** met on February 26, 2021 ([Meeting Recording](#))
  - Committee provided input on the Potential Water Storage Sites on State Trust Land, required by HB 2249, and the report has been delivered to the required recipients.
  - The committee has provided comments on the Draft Guide to Underground Water Storage Site Selection and staff is now working on finalizing this document. ([Draft Guide to Underground Water Storage Site Selection Link](#))
• **Post-2025 AMAs Committee – Warren Tenney & Cheryl Lombard (replaced Timothy Thomure)**
  • The Committee has met twice since the July 15th
  • Committee co-chairs selected 3 Issue Briefs to focus efforts on: Groundwater in the Assured Water Supply Program (June 22); Unreplenished Groundwater Demand (Aug 10); Hydrologic Disconnect (Sep 9)
    • June 22\(^{nd}\) Committee meeting – Groundwater in the Assured Water Supply Program ([Meeting Recording](#))
    • Aug 10\(^{th}\) Committee meeting – Unreplenished Groundwater Demand ([Meeting Recording](#))
  • Oct-December; fine-tune most realistic strategies and solutions
  • **Next meeting is September 9\(^{th}\) from 1-3pp**
  • At next Council meeting (Sep 17) Co-Chairs plan to brief the Council on the presentations they heard on the above 3 issues and summarize the ensuing discussions/potential strategies raised
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/
ADWR Phone: 602-771-8500

Link to ADWR Contacts: https://new.azwater.gov/adwr/contact-us
Meeting Agenda

1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
Management Plans Update

Santa Cruz AMA GUAC Meeting
August 31, 2021

Makenna Welsch
Management Plans Specialist
Status and Timeline of 5th 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
Drafting Logistics

* All 5 Fifth Management Plans are being drafted simultaneously
  * Structure will largely match across AMAs
  * Time for AMA Customization
* MPWG Subgroups will reconvene as needed to review draft regulatory language

➢ **Goal: Publication of Initial Drafts in early 2022**
5MP Conservation Program Proposals
## Agricultural Best Management Practices Program

* 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>
</thead>
<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>
<td>2</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Section II: Procedure for New BMP</td>
<td>1</td>
<td>N/A</td>
<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>
Agricultural Integrated Farm Program

* 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

Base Program
- Allocation based, default Program

Proposed Integrated Farm Program
- Removes Administrative Burden of Base Program

BMP Program
- Most Efficient, Highest Conservation Farms
### Municipal Non-Per Capita Program

#### Fourth Management Plans

<table>
<thead>
<tr>
<th>Service Connections</th>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5,000</td>
<td>1</td>
<td>3</td>
<td>43</td>
<td>26</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

#### Fifth Management Plans Proposal

<table>
<thead>
<tr>
<th>Service Connections</th>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1,000</td>
<td>1</td>
<td>3</td>
<td>15</td>
<td>28</td>
<td>26</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1,000</td>
<td>1</td>
<td>3</td>
<td>2 or more categories</td>
</tr>
<tr>
<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>3</td>
<td>10</td>
<td>4 or more categories</td>
</tr>
<tr>
<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>
</tr>
</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.
5MP Concepts Webpage
https://new.azwater.gov/5MP/plans-concepts

5TH MANAGEMENT PLANS CONCEPTS

As ADWR and the 5th Management Plans Work Group proceed in the development of the 5th Management Plans, concepts and stakeholder comments related to 5MP conservation programs will be made available below. Meeting links are provided, to provide additional context for the concept. Any questions or comments on these concepts can be sent to managementplans@azwater.gov.
Management Plan Promulgation

{Comment Period}

Promulgation Order

30-60 days  {30 days}

Hearing

Summary of Findings Published
- Potential for rehearing or review

Final Order of Adoption

2 weeks in newspapers {within 30 days} {> 2 years}

Management Plan becomes Effective

Notices of Conservation Requirements are mailed

Conservation Requirements become Effective

Published
➢ Potential for rehearing or review

40
Questions?

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

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

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

For questions about meetings or to submit comments:
managementplans@azwater.gov

Makenna Welsch
mwelsch@azwater.gov
1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICCC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICCC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICCC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICCC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makkena will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair
Meeting Agenda

1. Call to Order - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. Santa Cruz AMA Groundwater Monitoring – Nicolas Valverde, ADWR
4. Groundwater Withdrawal Fee Recommendation
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
5. ADWR Director Report – Kyle Miller, ADWR
   2020 Annual Report Update
6. GWAICC Updates- Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICC activities and progress.
7. Management Plans Update- Makenna Welsch, ADWR
   Makenna will provide updates on the 5th Management Plan Workgroups and subgroups activities
8. Call to Council - Council
9. Call to Public - Chair
10. Adjournment - Chair