

## LIST OF MANDATORY ADEQUACY JURISDICTIONS

---

### **Arizona Counties and the cities and towns that are located within the mandatory adequacy jurisdiction county**

Cochise County, Arizona. Subdivision Regulations § 408.03 Water Adequacy (adopted March 18, 2008, effective April 18, 2008). Cities and towns located in Cochise County and subject to mandatory adequacy requirements:

Benson, City of

Bisbee, City of

Douglas, City of

Huachuca City, Town of

Sierra Vista, City of

Tombstone, City of

Wilcox, City of

Yuma County, Subdivision Regulations § 4.31 Water Adequacy (adopted July 7, 2008, effective August 10, 2008). Cities and towns located in Yuma County and subject to mandatory adequacy requirements:

San Luis, City of

Somerton, City of

Wellton, Town of

Yuma, City of

### **Arizona Cities and Towns not located within a mandatory adequacy jurisdiction county that adopted their own mandatory adequacy jurisdiction ordinance**

Town of Clarkdale, Subdivision Regulations, § 12-1-21 (Ordinance adopted September 12, 2008, effective September 30, 2008)

Town of Patagonia, The Code of the Town of Patagonia § 15 – 5 – 8 (Ordinance passed February 13, 2008, effective March 14, 2008)

DOUGLAS A. DUCEY  
Governor



THOMAS BUSCHATZKE  
Director

ARIZONA DEPARTMENT of WATER RESOURCES  
1110 West Washington Street, Suite 310 Phoenix,  
Arizona 85007  
602.771.8585  
azwater.gov

PATAGONIA WATER DEPARTMENT  
PO BOX 767  
PATAGONIA, AZ 85624

System Name: PATAGONIA WATER DEPT.  
CWS ID: 91-000592.0000  
ADEQ ID:AZ0412006

August 9th, 2022

Dear Water Provider,

The Arizona Department of Water Resources (ADWR) has completed its review of the system water plan update that is due on or before January 1, 2023, and has determined that your plan meets the objectives set forth in *Arizona Revised Statutes* §45-342.

Please note that ADWR bases its compliance determination on the basic outline of the system water plan requirements provided in statute. It is the water provider's responsibility to make sure that the plan is realistic, practical, and technically sound for the water system and the community. The goal of the system water plan should be to reduce drought vulnerability through a strong water supply plan and conservation component, as well as to ensure that the system is prepared to respond to a drought emergency.

System water plans should be implemented and evaluated prior to the next submittal so that appropriate revisions and improvements can be made. Updates are due to ADWR on a five year cycle.

If you have any specific questions regarding your system water plan review, please contact the Community Water Systems program at (602) 771-8610 or by email at [ecws@azwater.gov](mailto:ecws@azwater.gov).

Sincerely,

*Catherine Riedel*

Catherine Riedel, Coordinator  
Community Water System Program  
Arizona Department of Water Resources





## COMMUNITY WATER SYSTEMS SYSTEM WATER PLAN FORM

Introduction	CWS Information	Water Supply Plan	Drought Preparedness	Water Conservation ...	Certify and Submit
--------------	-----------------	-------------------	----------------------	------------------------	--------------------

### PART 2 - DROUGHT PLAN

The purpose of the **Drought Preparedness Plan** is to prevent shortage emergencies during drought conditions by evaluating water demand reductions that can be implemented in response to specific levels of drought impacting the water system. ADWR encourages water systems to share ideas and information; however, each Plan **should be specific** to the water supplies, water demand and infrastructure of each individual system.

**Instructions**

Before beginning your drought plan, it is highly recommended to refer to the resources provided on the Community Water System's webpage at <https://new.azwater.gov/cws/system-water-plan> to better understand the effective use of "indicators", "triggers" and "management responses" in order to develop a realistic and enforceable drought plan. The resources provide examples and discussions for developing an effective plan based on the system's water supply.

*Drought Stage Planning for Community Water Systems*  
[https://new.azwater.gov/sites/default/files/media/Drought\\_Stage\\_Planning\\_edited.pdf](https://new.azwater.gov/sites/default/files/media/Drought_Stage_Planning_edited.pdf)  
 - Provides examples of drought stages and management measures for water providers.

*Conservation and Drought Planning for Community Water Systems: How do they work together?*  
[https://new.azwater.gov/sites/default/files/media/Drought%20%26%20Conservation\\_2015\\_0.pdf](https://new.azwater.gov/sites/default/files/media/Drought%20%26%20Conservation_2015_0.pdf)  
 - Includes tips on drought and conservation planning, as well as example drought stages and management measures for large and small systems.

*System Water Plan Guidance document: pages 11-14*  
[https://new.azwater.gov/sites/default/files/media/SystemWaterPlanGuidance\\_Final\\_03092021.pdf](https://new.azwater.gov/sites/default/files/media/SystemWaterPlanGuidance_Final_03092021.pdf)

*Governor's Drought Task Force: Guidelines for Drought Response & Mitigation: pages ii-vi*  
<https://new.azwater.gov/sites/default/files/media/2004%20Arizona%20Drought%20Preparedness%20Plan.pdf>

**A. Contact Information**

Facility Name:   
 Address:   
 Phone Number:

List the persons responsible for directing operations during a water shortage emergency:  
 Name:   
 Position:   
 Phone Number:

**B. Water Supply Stressors**

Drought can stress a water system's supplies in different ways. Which of the following indicators do you monitor to determine when to initiate a drought stage for your system?  
 Please check all that apply.

- Precipitation and weather forecasts

- Regional drought conditions
- Range and forage conditions
- Aquifer levels
- Well levels
- Streamflow levels
- Reservoir levels
- Streamflow levels
- Population and/or agriculture growth
- Other

**C. Drought Plan of Action**

1. Drought/Shortage Stages:

Decide how many drought/shortage stages you will have for your water system. While ADWR suggests three or four stages, beginning with "Stage 0 – normal conditions", this tool is designed to be flexible. Define each stage using the indicators (those you checked above in section B) and level of severity (triggers) you choose that are relevant to your water supply and individual system.

Decide what management measures will be appropriate for your system for each drought/shortage stage. Fill in the measures you have chosen for each drought/shortage stage in the Management Measures column of the table. *You may choose measures from the help sheets, choose your own measures, or a combination of the two.*

**(Note:** If you have curtailment tariff in place, it may submitted in place of the drought plan if it includes all the information in the pages below.)

**Definitions:**

Indicators: Variables that describe the specific drought conditions that will cause stress to the system's water supply (as in B. above: such as ground water levels, reservoir levels, U.S. Drought Monitor)

Triggers: The specific values of the indicators that initiate each stage of drought

Management Measures: The realistic plan of action which the system's management plans to undertake when drought impacts the system's water supply at each stage. These should be specific measures to **reduce water demands** based on the available supply.

Table 4 Drought Stage/Water Shortage Stage	Management Measures <i>(consider measures for the system and for the customers) (See Part 3 for measures you wish to implement during Stage 0 – normal conditions)</i>
Stage 0	Normal conditions at the wells above 40 feet. No restrictions good water system practices including leak repair and prevention.
Stage 1	Abnormally dry conditions. Wells at 40 feet or below or monthly drop exceeding 4 feet. Public notice, encourage voluntary conservation.
Stage 2	Moderate drought conditions. Wells at 45 feet or 2 monthly drops exceeding 4 feet. Conservation outreach, offer specific advice, cap bulk water sales at 4,000 gallons per month.
Stage 3	Severe drought conditions. Wells at 50 feet or below and no recovery of well levels. Outdoor water use restricted, bulk water use for residential use only. Institute increased water rates as established by Town Council.
Stage 4	Extreme drought conditions. All bulk water sales restricted for residential use only and a maximum of 50 gallons per day. No outdoor water use and no irrigation.
Additional Stage(s) and Measure(s)	

2. Based on your current description of drought/shortage, what is the highest/worst stage you have declared in the past five years?

- Stage 0
- Stage 1
- Stage 2
- Stage 3
- Stage 4
- Higher Stage - Describe

3. Based on your current description of drought/shortage stages, what stage of drought are you currently implementing? Please check only one answer.

- Stage 0
- Stage 1
- Stage 2
- Stage 3
- Stage 4
- Higher Stage

4. At which drought/shortage stage, if any, do your drought management measures begin to be mandatory? Please check only one answer.

- No measures are ever mandatory
- Stage 0 - no drought/normal conditions
- Stage 1 - start of drought
- Stage 2
- Stage 3
- Stage 4
- Higher Stage

#### D. Implementation of Drought Stages

1. Who has the authority to initiate and/or change a drought stage for your system?

Town Council/Town Manager

2. If you chose to make any of your management measures mandatory for your customers, how will you enforce them?

Town Council Resolution

#### E. Communication with Customers

1. Do you utilize any of the following for educating your customers about drought conditions and the need for water conservation? Check all that apply.

- |                             | Already implementing             | Plan to implement     |
|-----------------------------|----------------------------------|-----------------------|
| Information with water bill | <input checked="" type="radio"/> | <input type="radio"/> |
| Free publications           | <input type="radio"/>            | <input type="radio"/> |

- |                                 |                                  |                                  |
|---------------------------------|----------------------------------|----------------------------------|
| Media (social media, radio, TV) | <input type="radio"/>            | <input type="radio"/>            |
| Website                         | <input checked="" type="radio"/> | <input type="radio"/>            |
| Public Presentations            | <input type="radio"/>            | <input checked="" type="radio"/> |
| Workshops                       | <input type="radio"/>            | <input type="radio"/>            |
| Newsletters/e-newsletters       | <input type="radio"/>            | <input type="radio"/>            |
| Text alerts                     | <input type="radio"/>            | <input checked="" type="radio"/> |
| Other (please describe):        | <input type="radio"/>            | <input type="radio"/>            |
| <input type="text"/>            |                                  |                                  |

[Clear Selections](#)

2. How will customers be notified of a drought stage declaration and implementation of associated management measures? (Note: different stages of drought may need different notification methods. If the system has reached the point of a water shortage, rapid notification will be necessary.) Check all that apply.

- Deliver notice door to door
- Mail notice to service address
- Post signs at well sites
- Post signs at entrance to major subdivisions
- Information with water bill
- Community meetings
- Media (social media, radio, TV)
- Website
- Public presentations
- Newsletters/enewsletters
- Text alerts
- Other (please describe):

#### F. Development of Emergency Supplies

1. How will you get water to your customers in an emergency water shortage situation? **Note: It is the community water system's responsibility to have an emergency source of water and an emergency plan in place. Please attach any documentation that will further describe your plan of action.**

Check all that apply.

- We do not have a backup supply
- Utilize interconnection, list provider:
- Haul water, from:
- Use backup well
- Provide bottled water (temporary response: less than 2 days)
- Drill new well
- Provide nonpotable water stations for nonpotable uses
- Other

2. Should alternative/backup water supplies become necessary, do you have arrangements in place to obtain them?

- Yes  No

3. Have you had to use any of the following methods to augment your supply in the last five years? Check either the first choice or any of the remaining choice that apply.

- No augmentation needed

- Use interconnection
- Haul water
- Use backup well
- Provide bottled water
- Drill new well
- Other

Previous

Next

Select

[Upload Data](#)

[Save Data](#)

[Driving Directions to ADWR.](#)

Arizona Department of Water Resources  
1110 W. Washington St. Suite 310  
Phoenix, Arizona 85007  
Phone: 602.771.8500 | Fax: 602.771.8678

Copyright 2022 azwater.gov