

**Water Shortage Contingency Plan**  
**for**  
**City of Gridley**



**685 Kentucky St  
Gridley, CA 95948**

**PWS# CA0410004**

***Effective: June 19, 2023***  
***Next Update Required By: June 19, 2028***

## Table of Contents

Section I: Declaration of Policy, Purpose, and Intent.....	3
Section II: Public Involvement.....	3
Section III: Public Education.....	3
Section IV: Coordination with Regional Water Planning Groups .....	3
Section V: Authorization .....	3
Section VI: Application .....	3
Section VII: Definitions .....	4
Section VIII: Summary of Drought Response Stages and Response Actions .....	5
Section IX: Drought Response Triggers.....	8
Stage 1 Triggers -- Water Shortage WATCH Conditions .....	8
Stage 2 Triggers -- Water Shortage WARNING Conditions.....	8
Stage 3 Triggers – ACUTE Water Shortage Conditions.....	8
Stage 4 Triggers -- CRITICAL Water Shortage Conditions.....	9
Stage 5 Triggers -- EMERGENCY Water Shortage Conditions .....	9
Stage 6 Triggers – CATASTROPHIC Water Shortage Conditions .....	9
Section X: Drought Response Stages.....	10
Stage 1 Response -- Water Shortage WATCH Conditions.....	14
Stage 2 Response -- Water Shortage WARNING Conditions .....	14
Stage 3 Response -- ACUTE Water Shortage Conditions .....	16
Stage 5 Response – EMERGENCY Water Shortage Conditions .....	18
Stage 6 Response -- CATASTROPHIC Water Shortage Conditions .....	19
<b>CATASTROPHIC Water Allocation Plan .....</b>	<b>19</b>
<b>CATASTROPHIC Replacement Water Supply for Water Outages .....</b>	<b>21</b>
<b>CATASTROPHIC Notification of Emergency Service Providers.....</b>	<b>23</b>
Section XI: Enforcement .....	23
Section XII: Variances .....	24
Appendix A: Water System Information .....	26

## **Section I: Declaration of Policy, Purpose, and Intent**

In order to conserve the available water supply and protect the integrity of public water system (PWS) supply facilities, with particular regard for domestic water use, sanitation, and fire protection, to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the City of Gridley hereby adopts the following regulations and restrictions on the delivery and consumption of water through this Water Shortage Contingency Plan (Plan).

Water uses regulated or prohibited under this Plan are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water subjecting the offender(s) to penalties as defined in Section XI of the Plan.

## **Section II: Public Involvement**

Opportunity for the public to provide input into the preparation of the Plan was provided by the City of Gridley by means of public workshops hosted in June 2023. Final adoption of the Plan occurred at the City Council meeting in June 2023.

## **Section III: Public Education**

The City of Gridley will regularly provide the public with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. Detailed information on public education is provided in Section X of the Plan.

## **Section IV: Coordination with Regional Water Planning Groups**

The service area of the City of Gridley is located within the Butte Subbasin Groundwater Sustainability Agency (GSA). The GSA assessment documents were considered in the development of the Plan. A copy of the final Plan was shared Butte Subbasin GSA and posted on the City website in June 2023.

## **Section V: Authorization**

The City Administrator or designee, is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The City Administrator or designee, shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan. The contact information for the City Administrator is (530) 846-3631 or [Cwagner@gridley.ca.us](mailto:Cwagner@gridley.ca.us).

## **Section VI: Application**

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the City of Gridley. The terms “person” and “customer” as used in the

Plan may include individuals, corporations, partnerships, associations, and all other legal entities.

## **Section VII: Definitions**

For the purposes of this Plan, the following definitions shall apply:

**Aesthetic water use:** water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

**Commercial and Institutional water use:** water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as schools, hospitals, clinics, retail establishments, hotels and motels, restaurants, and office buildings.

**Conservation:** those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

**Customer:** any person, company, or organization using water supplied by City of Gridley

**Domestic water use:** water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

**Even number address:** street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.

**Flushing:** flushing refers to the flushing of hydrants and water mains as part of maintenance and operation.

**Industrial water use:** the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

**Landscape irrigation use:** water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, rights-of-way and medians.

**Non-essential water use:** water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- (a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- (b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- (c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;

- (d) use of water to wash down buildings or structures for purposes other than immediate fire protection;
- (e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- (f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or hot tubs;
- (g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- (h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- (i) use of water from hydrants for construction purposes or any other purposes other than firefighting or hauling water for a domestic water use.

**Odd numbered address:** street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

## **Section VIII: Summary of Drought Response Stages and Response Actions**

The Public Works Director or designee, shall monitor water supply and/or demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan, that is, when the specified “triggers” are reached.

The triggering criteria described below are generally based on\*:

- Groundwater well elevations and/or well production capacities relative to system demands;
- Projected drought conditions on Department of Water Resources (DWR) California Water Watch Tool (<https://cww.water.ca.gov>)
- County, State or Federal Drought Emergency Orders
- Emergencies such as fire, earthquake, etc. resulting in potential water outages

The response actions described in subsequent sections of this document are based on the following general precepts:

- Source capacity augmentation is proposed with the City and decreasing water loss through enhanced operational and maintenance changes. In more critical cases, source capacity may be increased by drilling and/or a provision of hauled or bottled water in cases of natural disasters.
- Conservation techniques employed include progressively implementing more strict water use policies, primarily focused on outdoor irrigation and increasingly restrictive water use in business functions. In natural disaster type scenarios, water supplies are limited based on a per capita per day scenario.

- Notification of the public is performed in a variety of ways to ensure drought messaging is received by the residents. Depending on the severity of the drought stage, this may include messages on the City’s website and social media, to house-to-house outreach services performed with community service groups. Whenever possible, messages will be provided in English and Spanish.
- The City will coordinate with a variety of agencies, including Butte County, Butte County Environmental Health, State Water Board’s Division of Drinking Water, and Butte Subbasin GSA. In the event of severe water shortages, the City will also coordinate with Butte County Public Health to support County registered vulnerable persons, County Offices of Emergency Services (OES), CalWARN, community partners and critical users.

This table summarizes each water shortage stages, specified triggers, response actions and termination actions. Additional information for each is provided in the subsequent sections.

Table 1- Trigger Response

Response Stage	Estimated Water Shortage Range	Trigger		Response Action**	Termination Action
		Monthly Production (MG)*	Well Capacity (gpm)		
<b>Stage 1</b> WATCH	Up to 10%	60	5,700	Voluntary reduction of usage	The trigger has returned below the threshold for at least 10 days.
<b>Stage 2</b> WARNING	Up to 20%	65	5,000	Mandatory Water Use Restrictions (Irrigation, washing of vehicles etc)	The trigger has returned below the threshold for at least 10 days.
<b>Stage 3</b> ACUTE	Up to 30%	75	4,500	Further reduction of irrigation and construction water with permit	The trigger has returned below the threshold for at least 10 days.
<b>Stage 4</b> CRITICAL	Up to 40%	85	4,000	No use of water for construction	The trigger has returned below the threshold for at least 10 days.
<b>Stage 5</b> EMERGENCY	Up to 50%	95	3,600	No irrigation.	The trigger has returned below the threshold for at least 10 days.
<b>Stage 6</b> CATASTROPHIC	> 50%	100	3,300	No irrigation.	The trigger has returned below the threshold for at least 10 days.

\*Recommended that any County Drought Emergency or Statewide Emergency Declaration initiate at least a Stage 2-Response Trigger

\*\*A more detailed list of response actions is included in this plan. This table is only a summary.

## **Section IX: Drought Response Triggers**

### **Stage 1 Triggers -- Water Shortage WATCH Conditions**

#### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section X of this Plan when monthly production exceeds 60 MG, there is a projected lack of normal regional rain patterns, the DWR Water Watch drought map<sup>1</sup> shows moderate drought conditions in our zip code, City initiates voluntary conservation measures, or Butte County Subbasin GSA proposes basin-wide voluntary conservation measures.

#### Requirements for termination

Stage 1 of the Plan may be rescinded when all well related conditions listed as triggering events have ceased to exist for a period of 10 consecutive days, or immediately when any other conditions cease to exist.

### **Stage 2 Triggers -- Water Shortage WARNING Conditions**

#### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section X of this Plan when monthly production exceeds 65 MG, City initiates Stage 2 drought response measures, Butte Subbasin GSA recommends Stage 2 drought response measures, or the DWR Water Watch drought map shows severe drought conditions in our zip code.

#### Requirements for termination

Stage 2 of the Plan may be rescinded when all well related conditions listed as triggering events have ceased to exist for a period of 10 consecutive days, or immediately when any other conditions cease to exist. Upon termination of Stage 2, Stage 1 becomes operative unless otherwise specified.

### **Stage 3 Triggers – ACUTE Water Shortage Conditions**

#### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section X of this Plan when monthly production exceeds 75 MG, City initiates Stage 3 drought response measures, Butte Subbasin GSA recommends Stage 3 drought response measures, or DWR's

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<sup>1</sup> <https://cww.water.ca.gov/>



California Water Watch drought maps shows extreme drought conditions in our zip code.

Requirements for termination

Stage 3 of the Plan may be rescinded when well related conditions listed as triggering events have ceased to exist for a period of 10 consecutive days, or immediately when any other conditions cease to exist. Upon termination of Stage 3, Stage 2 becomes operative unless otherwise specified.

**Stage 4 Triggers -- CRITICAL Water Shortage Conditions**

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section X of this Plan when monthly production exceeds 85 MG, City initiates Stage 4 drought response measures, Butte Subbasin GSA recommends Stage 4 drought response measures, or a County, State or Federal Drought Emergency is declared.

Requirements for termination

Stage 4 of the Plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 10 consecutive days, or immediately when any other conditions cease to exist. Upon termination of Stage 4, Stage 3 becomes operative unless otherwise specified.

**Stage 5 Triggers -- EMERGENCY Water Shortage Conditions**

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section X of this Plan when monthly production exceeds 95 MG, City initiates Stage 5 drought response measures, or Butte Subbasin GSA recommends Stage 5 drought response measures.

Requirements for termination

Stage 5 of the Plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 10 consecutive days. Upon termination of Stage 5, Stage 4 becomes operative unless otherwise specified.

**Stage 6 Triggers – CATASTROPHIC Water Shortage Conditions**

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on

certain non-essential water uses provided in Section X of this Plan when monthly production exceed 100 MG, City initiates Stage 6 drought response measures, or Butte Subbasin GSA recommends Stage 6 drought response measures. Triggers may also include earthquakes resulting in significant infrastructure damage, emergency conservation needed for fire protection, or other actual or threatened catastrophic water infrastructure failure as determined by the City Administrator, or designee.

#### Requirements for termination

Stage 6 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist and coordination with the health and safety authorities have indicated that the water source and distribution system is safe. Upon termination of Stage 6, Stage 5 becomes operative unless otherwise specified.

### **Section X: Drought Response Stages**

The Public Works Director or designee, shall monitor water supply and/or demand conditions on a monthly basis and, in accordance with the triggering criteria set forth in Section IX of this Plan, shall determine if a water shortage condition exists and the severity of any such water shortage conditions (e.g., *1-Watch, 2-Warning, 3-Acute, 4-Critical, 5-Emergency, 6-Catastrophic Water Loss*), and shall implement the following notification procedures accordingly:

#### **Notification**

##### Description of Customer Notification Methods:

The City Administrator or designee, shall notify the public by means of one of the following Methods:

- Method 1: Notice on City website and social media outlets
- Method 2: Notice in Gridley Herald newspaper, joint messaging with Butte Subbasin GSA
- Method 3: Notice to local Spanish and English-speaking radio stations
- Method 4: Email to customer listing
- Method 5: Direct Mail to each customer, in bill or flyer format
- Method 6: Personal phone calls to hospital, elder care facility and school district
- Method 7: Door to door outreach in low-income, elderly communities, County registered vulnerable residents, residences with high usage, and/or parts of the distribution system impacted by emergency.
- Method 8: County Emergency Messaging text alert
- The City has a 38% Hispanic population, therefore Methods 1, 3, 4, 5 and 7 shall be provided in both English and Spanish.

Prepared materials from Department of Water Resources, "Save Our Water Toolkit", may

be used as drought communication tools with the City logo added. The link for these materials is provided below:

<https://saveourwater.com/en/Partner-Toolkit>

Public Safety Contacts:

The City Administrator or designee, shall notify directly the following individuals and entities of restrictions or water shortages, as defined in the subsections below, as appropriate for each response stage.

*Table 2 - Public Safety Contact Matrix*

<b>Organization or Department</b>	<b>Name &amp; Position</b>	<b>Telephone</b>	<b>Email</b>
Gridley Fire Department	Sean Norman	530-846-5711	Sean.Norman@fire.ca.gov
CAL FIRE – Butte Unit	Sean Norman	530-538-7111	Sean.Norman@fire.ca.gov
Butte County Office of Emergency Management	Josh Jimerfield Deputy Administrative Officer	530-538-7120	jjimerfield@buttecounty.net
Butte County Environmental Health	Elaine McSpadden, Director	530-552-3865	emspadden@buttecounty.net
State Water Board District Engineer	VACANT	530-224-4800	Michael.wiedeman@waterboards.ca.gov
Critical Water User, Orchard Hospital	Steve Stark, CEO	530-846-9000	
Butte County Public Health	Danette York, Director	530-552-4000	phinfo@buttecounty.net
Critical Water Users, Gridley Unified School District	Justin Kern, Superintendent	530-846-4721	jkern@gusd.org
Critical Water Users Elder Care			
Butte County Subbasin GSA	Anjanette Shadley		anjanette@westerncanal.com
Mutual Aid Contact / CalWarn Contact	Conrad Tona, Chair	530-227-4124	ctona@ci.redding.ca.us

Support Services Contacts:

The following is a listing of support services that may be appropriate for a water shortage emergency.

*Table 3 - Support Services Contact Matrix*

<b>Organization or Department</b>	<b>Name &amp; Position</b>	<b>Telephone</b>	<b>Email</b>
Water Operator	Jerry Cox	530-846-2298	jcox@gridley.ca.us
Back-up Water Operator	Levi Melton	530-846-2298	lmelton@gridley.ca.us
Electric Utility Co	Jake Carter, Director	530-846-5954	jcarter@gridley.ca.gov
Electrician	Neil Baker, Wright One Electric	530-755-4444	neil@wrightoneelectric.com
Water Hauler	The Cali Dozer Co. Craig Dewsnap Trucking	1-800-770-4593 530-330-2765	jw@calidozer.com N/A
Bottled Water Vendor	Grocery Outlet	530-797-9199	
Storage Tank Vendor	PBM Supply	530-671-0068	
Emergency Shower Vendors	Ben Toilet Rentals, Inc.	530-846-4110	bens@bentoiletrentals.com
Well Pump Technician	Grant Stanley, Commercial Pump and Mechanical	530-899-1583	
Well Drilling Company	Precision Pump	530-533-4944	
Community Service Partners	American Red Cross	530-673-1460	
Other	Rotary Club of Gridley	530-632-5990	Ravie.aujila@gmail.com

Drought Responses Actions:

**Stage 1 Response -- Water Shortage WATCH Conditions**

**Target: Achieve a voluntary 10 percent reduction in monthly water usage.**

Best Management Practices for Supply Management:

- (a) Well production records will be monitored for trigger actions.
- (b) The City will begin a special drought water loss audit to evaluate potential areas for limiting water loss.
- (c) Verify CalWARN membership is active and in good standing.
- (a) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.

Voluntary Water Use Restrictions for Reducing Demand:

- (a) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes such as ornamental fountains, washing down of sidewalks or hard surface areas.
- (b) Water customers are requested to not irrigate during rain or within 48 hours after measurable rainfall.
- (c) Hotels/Motels are requested to provide guests the option of not having towels and linens laundered daily.

Notification Method(s) and Frequency:

Methods: 1, 2, and 5 (via monthly bills) – Permanent website, monthly outreach

Agencies Contacted:

Contact Butte Subbasin GSA to align potential future actions.

**Stage 2 Response -- Water Shortage WARNING Conditions**

**Target: Achieve a 20% percent reduction in total monthly water usage.**

Best Management Practices for Supply Management:

- (a) Using the results of the drought water loss audit perform leak detection surveys in areas with water loss above 20% and perform needed repairs.
- (b) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.

- (c) Continue monitoring of well records monthly.

Mandatory Water Use Restrictions for Reducing Demand:

- (a) Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 5:00 a.m. and 6:00 a.m. and 8:00 p.m. to midnight on designated watering days. However, irrigation of landscaped areas is permitted at any time if it is by means of a filled bucket or watering can of five (5) gallons or less.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on designated watering days between the hours of 5:00 a.m. and 6:00 a.m. and 6:00 p.m. to midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rinses. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station that utilizes internally recycled water. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.
- (c) Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or hot tubs is prohibited except on designated watering days between the hours of 5:00 a.m. and 6:00 a.m. and 6:00 p.m. to midnight.
- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life.
- (e) The following uses of water are defined as non-essential and are prohibited:
  - i. washdown of any sidewalks, walkways, unless being performed by a County or emergency response employee addressing a public health issue such as fecal waste removal, etc.;
  - ii. washdown of driveways, parking lots, tennis courts, or other hard-surfaced areas;
  - iii. use of water to wash down buildings or structures for purposes other than immediate fire protection;

- iv. flushing gutters or permitting water to run or accumulate in any gutter or street; and
- v. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

Notification Method(s) and Frequency:

Methods: 1, 2, 3, and 5 (via bill and separate conservation flyer). At least monthly outreach. Create website form for water wasting complaints to be filed. Develop complaint response program.

Agencies Contacted:

Continue to work with Butte Subbasin GSA to align potential future actions. If less than 30-day time period between 10% and 20% decrease in water capacity or well elevation change, inform County Environmental Health and/or State Water Resources Control Board District Engineer of decreasing production and initiate feasibility evaluation for long-term mitigation strategies.

**Stage 3 Response -- ACUTE Water Shortage Conditions**

**Target: Achieve a 30% percent reduction in total weekly water usage.**

Best Management Practices for Supply Management:

- (a) Using the results of the drought water loss audit perform leak detection surveys in areas with water loss above 15% and perform associated repairs.
- (b) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.

Mandatory Water Use Restrictions for Reducing Demand:

All requirements of Stage 2 shall remain in effect during Stage 3 with the following modifications:

- (a) Use of water from hydrants shall be limited to firefighting, related activities, or other activities necessary to maintain public health, safety, and welfare such as hauling water to domestic well residents. Designated fire hydrants for construction purposes may be allowed but may require a special permit from City so that usages can be tracked and assessed.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations, that utilizes internally recycled water, or not in the immediate interest of public health, safety, and welfare is prohibited.



- (c) All restaurants are prohibited from serving water to patrons except upon request of the patron.

Notification Method(s) and Frequency:

Methods: 1, 2, 3, 4, 5 (via bill and separate conservation flyer), 6. At least monthly outreach.

Agencies Contacted:

Continue to work with Butte Subbasin GSA to align potential future actions. Continue to collaborate with County Environmental Health and/or State Water Resources Control Board District Engineer on decreasing well production or water level elevations. Reach out to Fire Department and Critical Water Users (hospital, etc.) to notify them of the situation so that they can begin planning for alternative water sources as needed. Initiate planning for short-term alternative water scenarios and long-term mitigation strategies, such as well deepening or adding additional source capacity. Coordination will also extend to well drillers and County Environmental Health on permitting requirements. Coordinate with County Public Health to consider needs of vulnerable persons registered with the County in the event drought conditions worsen.

**Stage 4 Response -- CRITICAL Water Shortage Conditions**

**Target: Achieve a 40% percent reduction in total daily water usage.**

Best Management Practices for Supply Management:

- (a) Using the results of the drought water loss audit perform leak detection surveys in areas with water loss above 10% and performed needed repairs.
- (b) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- (c) Increase groundwater monitoring from weekly to daily.
- (d) Prepare engineering designs, cost estimates and estimated schedule for long-term mitigation strategy. City grant writers will seek to evaluate if drought construction funding is available.

Mandatory Water Use Restrictions for Reducing Demand:

- (a) Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or hot tubs is prohibited.
- (b) The use of water for construction purposes from designated fire hydrants under special permit is to be discontinued. Supplying residents with domestic wells may continue under special permits with CDPH certified potable water haulers.

- (c) Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8) and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 5:00 a.m. and 6:00 a.m. and 8:00 p.m. to midnight on designated watering days. However, irrigation of landscaped areas is permitted at any time if it is by means of a filled bucket or watering can of five (5) gallons or less.

Notification Method(s) and Frequency:

Methods: 1, 2, 3, 4, 5 (via bill and separate conservation flyer), 6, 7. At least weekly outreach through 2 or more methods.

Agencies Contacted:

Continue to work with Butte Subbasin GSA to align potential future actions. Continue to collaborate with County Environmental Health and/or State Water Resources Control Board District Engineer on decreasing well production or water level elevations. Continue to each out to Fire Department and Critical Water Users (hospital, etc.) of the situation so that they can continue planning for alternative water sources, if necessary. Continue coordinating with County Public Health to consider needs of vulnerable persons registered with the County should drought conditions worsen.

All requirements of Stage 2 and 3 shall remain in effect during Stage 4 except:

**Stage 5 Response – EMERGENCY Water Shortage Conditions**

**Target: Achieve a 50% percent reduction in total daily water usage.**

- (a) Using the results of the drought water loss audit perform leak detection surveys in areas with any water loss and perform associated repairs.  
Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- (b) Continue daily groundwater elevation measurements.
- (c) City grant writers will apply for drought construction funding, as needed. However, contracts will be developed assuming grant funding is unavailable and both parties seek financing for their portion of the well cost.

Mandatory Water Use Restrictions for Reducing Demand:

All requirements of Stage 2, 3 and 4 shall remain in effect during Stage 5 except with the following modifications:

- (a) All outdoor irrigation is prohibited.

(b) Swamp coolers are only permitted for use when temperatures exceed 85°F.

Notification Method(s) and Frequency:

Methods: 1, 2, 3, 4, 5 (via bill and separate conservation flyer), 6, 7. At least weekly outreach via three or more methods. Water Waster Patrols are implemented.

Agencies Contacted:

Weekly coordination and status updates to all agencies.

**Stage 6 Response -- CATASTROPHIC Water Shortage Conditions**

**Target: Achieve >50% percent reduction in total daily water usage or implement allocation plan requirements depending on situation.**

Best Management Practices for Supply Management:

(a) Execute agreements with well drillers, schedule new production well construction. Initiate engineering plans, costs, CEQA documents for a second well, if the production of the new well is inadequate to provide needed water supplies.

Mandatory Water Use Restrictions for Reducing Demand:

All requirements of Stage 5 shall remain in effect during Stage 6 and indoor conservation such as utilizing showers instead of baths, decreasing frequency of clothes washing and decreasing toilet flushing are further promoted in social media and other communications methods.

Notification Method(s) and Frequency:

Methods: 1, 2, 3, 4, 5 (via bill and separate conservation flyer), 6 – Daily communication

Methods: 7 and 8 as appropriate

Agencies Contacted:

Daily or weekly coordination and status updates to all agencies, depending on the severity of the issue.

**CATASTROPHIC Water Allocation Plan**

In the event that water shortage conditions threaten public health, safety, and welfare, the City Administrator or designee, is hereby authorized to allocate water

according to the following water allocation plan:

### **Single-Family Residential Customers**

The allocation to residential water customers residing in a single-family dwelling shall be as follows:

<b>Persons per Household</b>	<b>Gallons per Month</b>
1 or 2	1,650 – 3,300
3 or 4	4,950 – 6,600
5 or 6	8,250 – 9,900
7 or greater	Requires written verification of any household usage greater than 9,900 gallons per month. Allowable usage will be calculated using 55 gallons per person per day.

“Household” means the residential premises served by the customer’s meter. The above is based on 55<sup>2</sup> gallons per person per day with all outdoor uses prohibited except by public safety officers (e.g. fire personnel, etc.)

Additional decreases to the table may be required for short-term emergency response to earthquakes, fires, etc. Any short-term decrease (defined as less than 72 hours) will be determined by the City Administrator along with provision for alternative water supplies for any period of water outage greater than 10 hours. Any conservation decreases to below 47 gallons per person per day, for greater than 72 hours, requires a properly noticed board meeting (regular or special) for public input and Board adoption.

### **Master-Metered Multi-Family Residential Customers**

The allocation to residential water customers billed from a master meter which jointly measures water to multiple permanent residential dwelling units (e.g., *apartments, mobile homes, etc.*) shall be allocated the same as single-family residential customers.

### **Commercial Customers**

A monthly water allocation shall be established by the City Administrator, or designee, for each nonresidential, non-industrial commercial water customer who uses water for processing purposes. The allocation to nonresidential, non-industrial commercial water customers shall be as follows: 40% of monthly water usage and no irrigation. All restaurants shall only provide water upon request,

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<sup>2</sup> Based on Water Code Section 10609.4 for standard indoor residential water use until 2025. Beginning January 1, 2025 the standard will be 47 gallons per capita daily. This attempts to ensure efficient indoor water recognizing the severity of the drought while maintaining standard sanitation practices, if possible.

hotels must only wash linens upon exist of customers, and all commercial customers must post drought conservation messaging.

### **Industrial Customers**

A monthly water allocation shall be established by the City Administrator, or designee, for each industrial customer, which uses water for processing purposes. The allocation to industrial water customers shall be as follows: 40% of monthly water usage and no irrigation. All restaurants shall only provide water upon request, hotels must only wash linens upon exist of customers, and all commercial customers must post drought conservation messaging.

### **CATASTROPHIC Replacement Water Supply for Water Outages**

In the event that water outages occur, the following is the plan to provide alternative water for customers to meet public health needs.

#### Source of Alternative Water Supply

The City will have water hauled by Craig Dewsnap or The Cali Dozer Co., who are California Department of Public Health certified potable water hauler.

The California Department of Public Health publishes a list of certified potable water haulers. Which can be found at:

<https://www.cdph.ca.gov/Programs/CEH/DFDCS/pages/fdbprograms/foodsafetyprogram/water.aspx>Distribution of Alternative Water Supply:

Coordination will also be done with the State Water Resource Control Board's Division of Drinking Water and County Environmental Health on any chlorination and special water quality testing or noticing prior to serving hauled water.

There will be one portable plastic 10,000-gallon storage tank and pump brought in at each of the four strategic locations:

- Manuel Vierra Park
- Sycamore Middle School
- Gridley High School
- Gridley Industrial Park

The storage tanks, pre-arranged for purchased from a local vendor, will be manned from 6 a.m. until 11 p.m. by City staff, retired staff, and/or council members. The size of the tanks will be verified before renting or purchasing based on the population and availability. The City Engineer will provide direction for install of the tanks. Considerations will include safety, accessibility for community, and ease of distribution. The City's Risk and Resilience Assessment will be consulted. Recommendations may include fencing, methods to secure the

tank, and other security measures to deter vandals when the tanks are not being manned. Residents may come and fill up to 10 gallons of water per person per day<sup>3</sup>. Water will be provided free of charge and may not be sold by the person receiving the water to others, or used for any purposes other than human consumption, cooking or sanitation.

- Five rented portable restroom trailers will also be provided at each of the water distribution sites. At least one at each location will be handicap accessible.
- Five rented portable heated showers will be set up at the Industrial Park parking lot and the Gridley High School using a separate 5,000-gallon portable storage tank. Showering stations will be available from 6 am to 8 pm. Coordination has been provided with the local hospital to provide showers to those in wheelchairs or needing handicap accessible showers.

Additionally, residents that have no transportation or are disabled/elderly and/or may have difficulty obtaining or carrying water may sign up to have bottled water delivered to their home. The City will reach out to Butte County Public Health for assistance in coordinating outreach to the people registered on the county vulnerable persons lists. County Public Health will help coordinate outreach to people registered on the County Vulnerable Persons list. Rotary members, volunteers, and City staff will be asked to provide transportation for elderly/disabled community members who lack it to the hospital for showering and other sanitation purposes.

Contracts with the service vendors will be arranged for immediate delivery in the event of a water outage.

If water outages occur only in part of the distribution system, a similar but abridged version of the alternative water supply plan will be initiated to focus only on those parts of the distribution that are impacted.

If bringing in water from a source outside the City area must occur and continue for a longer period of time, water will be shipped to the area on rail cars from a CalWARN mutual aid water supplier, and then hauled directly to the storage tanks and pumped into them. If necessary, boil water orders will be in place until the water quality is stabilized and the distribution system has been determined to be bacteriologically safe. While the boil water orders are in place, bottled water

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3 The World Health Organization (WHO) information on minimum water needs during humanitarian emergencies states that “15 liters per person per day should be provided as soon as possible, though in the immediate post-impact period, it may be necessary to limit treated water to a minimum of 7.5 liters per day per person.”

WHO website: <https://www.who.int/teams/environment-climate-change-and-health/water-sanitation-and-health/environmental-health-in-emergencies/humanitarian-emergencies>

will continue to be provided to residents needing special assistance.

Methods: 1, 2, 3, 4, 5 (flyer/door hanger), 6, 7 and 8 will be utilized to inform residents of the location of alternative water and sanitation access and availability of additional services for the elderly/disabled or those without transportation. American Red Cross and Rotary Club volunteers will also be utilized to provide flyers to homes.

All handout materials will be provided in both English and Spanish.

### **CATASTROPHIC Notification of Emergency Service Providers**

If adequate water supply will potentially become unavailable for fire response, medical services, public services, etc., then the following emergency providers will be notified as soon as possible to ensure that adequate planning, response and assistance may be provided:

**Local Fire Agency:** Shall be contacted immediately when any water outages are believed to be potentially imminent or is occurring in any part of the distribution system.

**Hospitals or other Medical Providers (e.g., dialysis clinics, etc.):** The hospital, elder care facility and school district shall be immediately contacted when any water outage is believed to be potentially imminent or is occurring in the distribution system that may in any way impact that user.

**State Water Board and/or County Environmental Health:** The State Water Board's Division of Drinking Water and the County Environmental Health shall be contacted when any water outage is believed to be potentially imminent or is occurring in the distribution system.

**County Office of Emergency Services:** The County Office of Emergency Services may be contacted when any water outage is believed to be potentially imminent or is occurring in the distribution system as the result of a natural disaster and/or additional County or State support is needed.

### **Section XI: Enforcement**

- (a) No person shall knowingly or intentionally allow the use of water from this water system for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by City Administrator or designee, in accordance with provisions of this Plan.
- (b) Any person, including a person classified as a water customer of the water system, in apparent control of the property where a violation occurs or originates shall be

presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation.

- (c) Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. If a person is in repeated violation of this Plan, the water supplier shall, upon due notice to the customer, be authorized to provide a financial penalty of up to \$50 per day for the third notice (not to exceed \$500), and \$200 per day for the fourth and future notices.

## **Section XII: Variances**

The City Administrator or designee, may grant, in writing, a temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

- (a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- (b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the water system within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the City Administrator or designee, and shall include the following:

- (a) Name and address of the petitioner(s).
- (b) Purpose of water use.
- (c) Specific provision(s) of the Plan from which the petitioner is requesting relief.
- (d) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- (e) Description of the relief requested.
- (f) Period of time for which the variance is sought.
- (g) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- (h) Other pertinent information.



A decision on the variance request will be returned to the customer within 10 days.

While submittal of a variance is required, the following exemptions are pre-approved:

### Appendix A: Water System Information

The City of Gridley (Gridley) began to provide water to its residents through the Public Works Department around 1949. The City has 2,312 active water services, providing water to a City population of 7,356 persons. This data indicates an occupancy factor of 3.18 persons per water service.

#### WATER CONSUMPTION DATA

Design Parameter	“Standard Design Data”	Consumption
Average Annual	0.50 gpm per connection	1,156 gpm
Maximum Month	1.00 gpm per connection	2,312 gpm
Maximum Day	1.50 gpm per connection	3,468 gpm
Peak Hour	2.50 gpm per connection	5,780 gpm
Combined	Max. Day + Fire	5,968 gpm

gpm = gallon per minute

#### WELL CAPACITIES

Well Name	Motor	Pump Capacity @ 55 psi
Fairview Well (Standby)	(40 HP 1,800 rpm)	Standby
Wilson Well (Standby)	(50 HP 1,800 rpm)	Standby
Parkside Well	(75 HP 1,800 rpm)	1,100 gpm ±
Spruce Well	(30 HP 1,200 rpm)	800 gpm ±
Little Avenue Well	(75 HP 1,800rpm)	1,200 gpm ±
Liberty Well	(100 HP 1,800 rpm)	1,400 gpm ±
Jay Drive Well	(100 HP 1,800 rpm)	1,500 gpm ±
Total		6,000 gpm ±

The maximum day demand (MDD), the highest day’s production in the past ten years, was measured as 1,740 gpm in 2020. The peak hourly demand (PHD) must be at least 1.5 times the MDD, or not less than 2,610 gpm. Title 22 §64554 requires water systems having 1,000 or more water service connections to have source capacity at least equal to the MDD. In addition, the water system must be able to meet the PHD with a combination of source capacity, storage, or emergency source connections.

The water system source capacity is 6,000 gpm, which exceeds both the MDD and the PHD. As such, no storage or emergency source connections are needed.