

Water Supply Contingency Plan



APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT

22545 Del Oro Road, Apple Valley, CA 92308

Public Water System CA #3600008

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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 Apple Valley Foothill County Water District 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 conditions 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 Apple Valley Foothill County Water District by means of one in-person workshop and one regularly scheduled meeting held in September 2026. Final adoption of the Plan occurred at a properly noticed Board meeting on September 28, 2026.

Section III: Public Education

The Apple Valley Foothill County Water District 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, including but not limited to the value of water, sources of water being used, methods and opportunities for conservation. 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 Apple Valley Foothill County Water District is located within the Mojave Water Agency (MWA). To respond to water shortage contingencies in the MWA service area, AVFCWD has incorporated in the Water Shortage Contingency Plan (WSCP) the plan preparation requirements set forth under Water Code Section 10632 of the Urban Water Management Planning Act.

Section V: Authorization

The General Manager, 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 General Manager, 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 AVFCWD General Manager is: 760-247-1101 and via email at dsmith@avfwater.org.

Section VI: Application

The provisions of this Plan shall apply to all persons, customers, and properties utilizing water provided by the Apple Valley Foothill County Water District. 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.

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 Apple Valley Foothill County Water District.

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.

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, right-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, 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 walkways, driveways, 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 Jacuzzi-type pools;
- (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 General Manager, 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 and termination criteria described in subsequent sections of this document are 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://cwww.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 decreasing water loss through enhanced operational and maintenance changes. In more critical cases, source capacity may be increased by 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 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 Apple Valley Foothill County Water District’s website and to house-to-house outreach services performed with community service groups. Whenever possible, messages will be provided in English and Spanish.

- Apple Valley Foothill County Water District will coordinate with a variety of agencies, including the County Environmental Health, State Water Board's Division of Drinking Water, and the Mojave Water Agency (MWA). In the event of severe water shortages, Apple Valley Foothill County Water District will also coordinate with County Public Health to support County registered vulnerable persons, County Offices of Emergency Services (OES), Cal WARN, community partners and critical users.

Section IX: Drought Response Triggers

The drought response triggers and terminations discussed below provide details on when varying levels of drought responses, further discussed in Section X, will be implemented and then subsequently terminated. The Apple Valley Foothill County Water District Board of Directors may choose to make modifications to the triggers and terminations depending on real-time scenarios; however these response triggers stand in the absence of other Board decisions.

Stage 1 Triggers -- Water Shortage WATCH Conditions

Requirements for initiation

Customers shall be required to comply with the restrictions on certain non-essential water uses provided in Section X of this Plan when groundwater well elevations show an average decrease of 10% in groundwater elevations or available flow capacity, there is a projected lack of normal regional rain patterns, the DWR Water Watch drought map¹ shows moderate drought conditions in our zip code, voluntary conservation measures, or Mojave Water Agency (MWA) 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 restrictions on certain non-essential water uses provided in Section X of this Plan when groundwater well elevations show an average decrease of 20% in groundwater elevations or available flow capacity, Mojave Water Agency (MWA) recommends Stage 2 drought response measures, or the DWR Water Watch drought map shows severe drought conditions in our zip code.

¹ <https://cwww.water.ca.gov/>

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 restrictions on certain non-essential water uses provided in Section X of this Plan when groundwater well elevations show an average decrease of 30% in groundwater elevations or available flow capacity, Mojave Water Agency (MWA) recommends Stage 3 drought response measures, or DWR's 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 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 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 restrictions on certain non-essential water uses provided in Section X of this Plan when groundwater well elevations show an average decrease of 40% in groundwater elevations or available flow capacity, Mojave Water Agency (MWA) 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 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 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 restrictions on certain non-

essential water uses provided in Section X of this Plan when groundwater well elevations show an average decrease of 50% in groundwater elevations or available flow capacity, Mojave Water Agency (MWA) recommends Stage 5 drought response measures.

Requirements for termination

Stage 5 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 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 restrictions on certain non-essential water uses provided in Section X of this Plan when groundwater well elevations show an average decrease of greater than 50% in groundwater elevations or available flow capacity, Mojave Water Agency (MWA) 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 General Manager, or designee.

Requirements for termination

Stage 6 of the Plan may be rescinded when all 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 and Actions

The General Manager, 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 General Manager, or designee, shall notify the public by means of one of the following Methods:

- Method 1: Notice on Apple Valley Foothill County Water District website
- Method 2: Notice in the ValleyWide newspaper, joint messaging with Mojave Water Agency (MWA).
- 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 residents
- Method 7: Door to door outreach in 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

Apple Valley Foothill County Water District has less than 10% Spanish only speaking population, but every effort to provide Methods 1, 3, 4, 5 and 7 in both English and Spanish will be made.

Prepared materials from the Department of Water Resources, "Save Our Water Toolkit", may be used as drought communication tools with the Apple Valley Foothill County Water District logo added. The link for these materials is provided below:

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

Public Safety Contacts:

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

Organization or Department	Name & Position	Telephone	Email
Fire Department	James "Buddy" Peratt Fire Chief	(760) 247-7618	info@avfpd.org
Cal WARN Contact	Karla Tejada	(714) 535-7711 ext. 266	Karla.Tejada@gswater.com
State Water Board District Engineer	Luis Ortiz, District Engineer	(909) 383-4314	luis.Ortiz@waterboards.ca.gov

Support Services Contacts:

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

Organization or Department²	Company & Name	Phone	Email
Water Hauler	ECS Company, Inc.	(909) 356-3998	
Bottled Water Vendor	Master's Water	(760) 244-5073	taylor@masterscoffeeandwater.com
Storage Tank Vendor	GA Osbourne Pipe & Supply	(760) 243-1443	
Parts & Supplies	Western Water Works Supply Company	(909) 597-7000	martin@wwwsco.com
Well Drilling/Pump Company	Eagle Drilling & Pump Services	(760) 248-3344	eagledrilling3553@gmail.com

Drought Responses Actions:

In addition to the Drought Response Stages detailed below, Apple Valley Foothill County Water District has promoted Water Sense devices and works with regional entities that offer various rebate programs to create water-efficient homes and landscapes, program highlights include:

- Turf conversion rebates
- High-efficiency toilet rebates
- High-efficiency sprinkler nozzle rebate

Details of these rebate programs can be found on our website and will be included in all Drought Response messaging.

Stage 1 Response -- Water Shortage WATCH Conditions

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

Best Management Practices for Supply Management:

- (a) Although Apple Valley Foothill County Water District lacks interties with surrounding water systems, mutual aid agreements with local water suppliers ensure joint messaging and actions on future Drought Stage Responses. Since water may be shared in drought emergencies through future intertie connections, joint messaging and shared Stages will help lessen customer confusion and prevent tension.
- (b) Apple Valley Foothill County Water District will begin a special drought water loss audit to evaluate potential areas for limiting water loss. This will be completed for both Apple Valley Foothill County Water District surrounding agencies simultaneously to share resources and for public messaging later.
- (c) Verify Cal WARN 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 voluntarily limit the irrigation of landscaped areas 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 to irrigate landscapes only between the hours

of 5:00 a.m. and 6:00 a.m. and 8:00 p.m. to midnight on designated watering days.

- (b) 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 hard surface areas.
- (c) Water customers are requested not to irrigate during rain or within 48 hours after measurable rainfall.

Notification Method(s) and Frequency:

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

Agencies Contacted:

Contact MWA 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) Although Apple Valley Foothill County Water District lacks interties with surrounding water systems, mutual aid agreements with local water suppliers ensure joint messaging and actions on future Drought Stage Responses. Since water may be shared in drought emergencies through future intertie connections, joint messaging and shared Stages will help lessen customer confusion and prevent tension. Joint public workshops may be appropriate for messaging.
- (b) Using the results of the drought water loss audit perform leak detection surveys in areas with water loss above 15% and perform needed repairs. This activity will be completed for both Apple Valley Foothill County Water District and surrounding water suppliers to share resources and for public messaging purposes.
- (c) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- (d) Increase monitoring of groundwater elevations from monthly to weekly.

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 Jacuzzi-type pools 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, or other hard-surfaced areas;
 - iii. use of water to wash down buildings or structures for purposes other than immediate fire protection;
 - iv. use of water for dust control;
 - v. Permitting water to run or accumulate on any street; and
 - vi. 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):

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 MWA and surrounding water suppliers to align potential future actions. If there is a 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) Although Apple Valley Foothill County Water District lacks interties with surrounding water systems, mutual aid agreements with local water suppliers ensure joint messaging and actions on future Drought Stage Responses. Since water may be shared in drought emergencies through future intertie connections, joint messaging and shared Stages will help lessen customer confusion and prevent tension
- (b) Using the results of the drought water loss audit perform leak detection surveys in areas with water loss above 10% and perform associated repairs. This activity will be completed for both Apple Valley Foothill County Water District and surrounding water suppliers to share resources and for public messaging purposes.
- (c) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- (d) Prepare engineering designs, cost estimates and estimated schedule for long-term mitigation strategies. District staff will seek drought construction funding or other available options.

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 require a special permit from Apple Valley Foothill County Water District 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.

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 MWA and surrounding water suppliers 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 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 people 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) Discuss status of the surrounding water supplier's capacity and Apple Valley Foothill County Water District's capacity, prior to moving either system to Stage 5 conservation, evaluate if water transfers would be possible to prevent this step.

- (b) Using the results of the drought water loss audit perform leak detection surveys in areas with water loss above 5% and performed needed repairs. This activity will be completed for both Apple Valley Foothill County Water District and surrounding water suppliers to share resources and for public messaging purposes.
- (c) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- (d) Increase groundwater elevation monitoring from weekly to daily.

Mandatory Water Use Restrictions for Reducing Demand:

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

- (a) Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or Jacuzzi-type pools is prohibited. The only exception is for the County public swimming pool during the months of June, July and August.
- (b) The use of water for construction purposes from designated fire hydrants under special permits 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 MWA and surrounding water suppliers 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 reach out to the 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.

Stage 5 Response – EMERGENCY Water Shortage Conditions

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

Best Management Practices for Supply Management:

- (a) Discuss status of the surrounding water supplier's capacity and Apple Valley Foothill County Water District's capacity, prior to moving either system to Stage 6 conservation, evaluate if water transfers would be possible to prevent this step.
- (b) Using the results of the drought water loss audit perform leak detection surveys in areas with any water loss and perform associated repairs. This activity will be completed for both Apple Valley Foothill County Water District and City of Small Town to share resources and for public messaging purposes.
- (c) Decrease flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- (d) Continue daily groundwater elevation measurements.
- (e) Execute agreements with well drillers, schedule new production well construction. Initiate engineering plans, costs, CEQA documents for a fourth 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 2, 3 and 4 shall remain in effect during Stage 5 except with the following modifications:

- (a) Water use for private swimming pools during the months of June, July and August, and September is prohibited.
- (b) All outdoor irrigation is prohibited.
- (c) Swamp coolers are only permitted for use when temperatures exceed 95°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) Sample new well, get State Water Board Division of Drinking Water and County Environmental Health approval to bring the well online.
- (b) Water deliveries to provide emergency water to maintain adequate water pressure via trucks, and bottled water for residents of the District.

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 General Manager, 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:

Persons per Household	Gallons per Month	Units of Water per Month
1 or 2	1,496 – 2,992	2 – 4
3 or 4	4,488 – 5,984	6 – 8
5 or 6	7,480 – 8,976	10 - 12
7 or greater	Requires written verification of any household usage greater than 9,000 gallons per month. Allowable usage will be calculated using 50 gallons per person per day.	Requires written verification of any household usage greater than 12 units per month. Allowable usage will be calculated using .6 units per person per day.

“Household” means the residential premises served by the customer’s meter. The above is based on 47³ gallons per person per day with all outdoor use 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 General Manager 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., ADU’s, mobile homes, etc.) shall be allocated the same as single-family residential customers.

CATASTROPHIC Interim Replacement Water Supply for Water Outages

In the event of that water outages occur and other water supplies are not available, Apple Valley Foothill County Water District will coordinate with County Public Health

³ Based on Water Code Section 10609.4 for standard indoor residential water use starting in 2025. This attempts to ensure efficient indoor water recognizing the severity of the drought while maintaining standard sanitation practices, if possible.

to support County registered vulnerable persons, County Offices of Emergency Services (OES), Cal WARN, community partners and critical users.

the following is the plan to provide interim alternative water supply for customers to meet short-term public health needs. Longer-term hauling of water directly to the distribution storage tanks would be coordinated with the Office of Emergency Services and CalWARN as soon as possible if the wells and intertie continue to be inaccessible.

Source of Alternative Water Supply:

Water hauler to deliver to Apple Valley Foothill County Water District by ECS Company, Inc., a San Bernardino County certified potable water hauler. 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.

Distribution of Alternative Water Supply:

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

- Apple Valley Foothill County Water District Office
- Apple Valley Foothill County Water District Storage Tank Site
- The storage tanks, pre-arranged for purchased from G. A. Osbourne Pipe Supply, will be manned from 6 a.m. until 11 p.m. by Apple Valley Foothill County Water District staff, retired staff, and/or board members. Residents may come and fill up to 10 gallons of water per person per day⁴. Water will be provided free of charge and may not be sold by the person receiving the water from others, or used for any purposes other than human consumption, cooking or sanitation.
- Two rented portable restroom trailers will also be provided at each of the water distribution sites. At least one at each location will be handicapped accessible.
- One rented portable heated shower will be set up at the District Office using a separate 5,000-gallon portable storage tank. Showering stations will be

⁴ 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>

available from 6 am to 8 pm.

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. County Public Health will help coordinate outreach to people registered on the County Vulnerable Persons list. Additionally, American Red Cross volunteers and Self-Help Enterprise staff will organize and deliver bottled water supplies up to 10 gallons per day, in smaller quantities that can be easily handled. Bottled water will be provided by Master's Water bottled water company.

Contracts with the service vendors have been pre-arranged for immediate delivery in the event of a water outage ensuring Apple Valley Foothill County Water District top priority during emergency events. Arrangements with community service organizations and County Public Health have similarly been pre-arranged.

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 Apple Valley Foothill County Water District area must occur and continue for a longer period, 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 will continue to be provided to residents needing special assistance.

Public Notification Regarding Access to Alternative Water Supplies:

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 local volunteers will also be utilized to provide flyers to homes.

All handout materials will be provided in both English and Spanish. Templates have been pre-prepared and can be immediately printed if needed.

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.

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 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 General Manager, 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 Apple Valley Foothill County Water District shall, after the second warning 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 General Manager, 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 conditions 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 General Manager, 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 no more than 5 business days.

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

1. Use of a residential swamp cooler on days where the ambient temperature is greater than 90° F for residents that can demonstrate a medical need.
2. Use of water for the operation of a medical support device needed by a resident.

Appendix A: Water System Information

Apple Valley Foothill County Water District provides water to approximately 894 residential customers, Apple Valley Foothill County Water District obtains its water from 2 groundwater wells with chlorination treatment.

Annually, the water system utilizes approximately 29 million gallons. The maximum monthly usage typically occurs in July with a production of 3.5 million gallons, with peak day demand occurring during the 4th of July holiday. The 10-year average maximum day demand is 120,000 gallons. Total well capacity is estimated to be approximately 420 gpm and all wells are drilled to a total depth of 500 feet.

Well Name	Average Production (gpm)	Average Elevation, feet bgs	April	Average Elevation, feet bgs	October
Well 01	420	260		260	
Well 02	420	260		260	

(bgs = below ground surface)

The distribution system consists of two pressure zones, Zone 1 and Zone 2. Zone 1 serves approximately 75% of the service connections and a booster station to supply water to Zone 2 which serves approximately 25% of the service connections. Pressure Zone 1 shares a 75,000-gallon storage tank with zone 2 and has an additional 310,000 gallons available from two water storage tanks. Pressure Zone 2 has a 75,000-gallon storage tank.

Experience with past droughts:

After the 2014 drought, the Apple Valley Foothill County Water District has been planning to install an emergency intertie. This emergency intertie is to be used when Apple Valley Foothill County Water District is performing maintenance of their storage tanks or any emergencies. This Plan is updated after every drought to reflect actual reductions seen as a result of the implementation of various conservation practices.