

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER SHORTAGE CONTINGENCY PLAN

September 14, 2012

The purpose of this Water Shortage Contingency Plan (Plan) is to provide direction on specific actions to be taken by the Rancho Murieta Community Services District (District) staff and customers in response to increasingly severe water supply shortage conditions. **In case of water system failure or water quality issues requiring immediate response and action refer to the District's Emergency Operations Procedures (see Attachment A).**

The District intends to use this Plan to meet the requirements of the California Water Code, Section 10632 (see Attachment B). A water shortage contingency analysis based on the historic driest three-years on record was previously prepared as part of the Integrated Water Master Plan (Brown and Caldwell, 2010). The current IWMP Update presents water supply demands and drought responses for the minimum available supply based on existing (2,504) and approved lots.

In an effort to provide a uniform basis for requesting cutbacks in consumption due to cutbacks in supply from minor to emergency conditions, the District has a program of four (4) stages of actions based on the severity of the water shortage. The District previously adopted shortage mitigation measures, which are included in District Code Chapter 14 - Water Code, updated most recently in 2012.

This Plan is consistent with District Policies, District Codes and the District's Integrated Water Master Plan Update (Brown and Caldwell, 2010). The names for stages in this Plan are consistent with other water purveyors in the Sacramento region.

This Plan is applicable to a range of short and long term emergency conditions when supply volume or system delivery capability is impaired, including but not limited to:

- Main break or other distribution system failure
- Water treatment plant failure
- Natural disaster (flood, earthquake, wind damage, etc.)
- Water quality issue with supply reservoirs or system contamination
- Drought conditions

IMPLEMENTATION OF THE PLAN

The District has three (3) main objectives when faced with water shortage conditions as described below. This Plan specifically addresses the first objective related to monitoring and addressing shortage conditions through tracking supply conditions and, when projecting shortfalls, the means to invoke customer responses to reduce demand. Given the changing conditions of fiscal needs

and latest information on water savings technologies, the District plans to further prepare for longer duration droughts by completing a Drought Financial Plan and Drought Communications and Education Plan when shortages appear imminent.

1. Monitoring and Declaration of Water Shortages/Drought
 - a. Drought indicators
 - b. Index for trigger levels
 - c. Staged actions for reducing customer demands
2. Drought Financial Plan
 - a. Sustainability of funding for District operations
 - b. Tiered pricing implementation to achieve reductions in demand and provide revenues to cover cost of service in times of shortage
3. Drought Communication Outreach and Education Plan
 - a. Media response
 - b. Water use by lot categories
 - c. Drought checklist for customer actions

RESPONSE TO IMPAIRED TREATMENT AND DISTRIBUTION SYSTEM CONDITIONS

Short-term supply interruptions may invoke the need for District staff to alert customers of any stage of shortage, listed further below in this document, as conditions warrant. This determination will be made by the General Manager. The appropriate stage of action will be determined based on the severity and projected duration of the shortage. In other words, an emergency condition where more than 50% of the supply is unavailable may warrant an alert for Stage 4 – Water Emergency. This message would be broadcasted as an alert out to the entire community (using the District’s CodeRED auto-dialer messaging system) and notices would be issued via written notice (letter or door hangers) and other means to advise customers of the water shortage and anticipated duration of the shortage. All customers will then be noticed when the shortage is resolved.

RESPONSE TO LONG TERM SUPPLY SHORTAGE DUE TO DROUGHT CONDITIONS

The drought actions called for are based on the current water supply capacity (including Clementia Reservoir) and estimates for demands needed in times of drought based on the 3,274 approved connections, of which 2,504 currently exist. As the District monitors accomplishments in reaching the 20% reduction in water use by 2020 goal of 238 gallons per capita per day (gpcd), as called for in District Policy 2011-05, the District will update this Plan. The baseline 10-year average (as defined in Senate Bill SB X7-7) is 298 gpcd stated in the 2020 Compliance Plan (Brown and Caldwell, 2010).

The expected demand cutback by stages included within this Plan does not currently include consideration of the 20% reduction goal given it has not yet been achieved. At minimum, it is anticipated that this Plan will be updated when the community achieves 50% of its reduction goal to 268 gpcd or 10% reduction in gross per capita per day demand.

Overall drought preparedness actions to be taken by the District include:

- Understand and comply with legal and regulatory requirements for drought preparedness.
- Review and update Water Shortage Contingency Plan at a minimum of every 5 years or as needed based on new monitoring data, new supply, operational changes, or change in expected water demands.
- Provide education and outreach to customers on efficient and reasonable uses of water and best ways to save, with increased intensity in messaging during times of drought.
- Continue District water loss management procedures (leak identification and repair).
- Enforce prohibition of wasted water per the District Code – Chapter 14 – Water Code, Section 13.
- Continue conservation policies and water-efficient plumbing codes.
- On an as needed basis and at a minimum of every 5 years, review and refine the rate stabilization policy relating to drought impacts.
- Update educational materials on an as needed basis.

DISTRICT DROUGHT MONITORING

Every year the climate varies and the District monitors potential flood and drought conditions. The District's water rights permit allows for pumping between November 1 and May 31 each year. In normal water years at our current number of water connections, the District typically starts pumping to fill the supply reservoirs in February. When forecasted water supply conditions are indicating a dry year, it may prompt the District to take action for changes in pumping operations and/or notifying customers to cut back on demand.

To check on water supply forecasts, the District tracks both State resources and local metrics to best inform and assist in their decision-making on calling for implementation of each drought stage. One such resource is the Department of Water Resources (DWR), State Climatologist, who does careful monitoring of the predicted water supply and flood management forecasts using real time weather monitoring stations throughout the Central Valley. Also, there are two (2) primary climate monitoring station indices tracked for California: Sacramento River 8-Station Index and San Joaquin River 5 Station Index. The District will primarily monitor the San Joaquin River Index which includes monitoring that encompasses the Cosumnes River watershed. Information on the drought status is posted online through the California Data Exchange Center and updated regularly based on the most recent weather station data available (including National Weather Service resources).

Another metric is the standard scale for severity of drought that has been defined by the National Drought Mitigation Center's Drought Monitor (<http://droughtmonitor.unl.edu>) and DWR has adapted this scale for use in California as shown below:

Percentile	Drought Monitor Category	
0.00 - 0.02	D4	Drought - Exceptional
0.02 - 0.05	D3	Drought - Extreme
0.05 - 0.10	D2	Drought - Severe
0.10 - 0.20	D1	Drought - Moderate
0.20 - 0.30	D0	Abnormally Dry
0.30 +	N	Normal
Source: Department of Water Resources, 2012 http://cdec.water.ca.gov/cdecapp/drought/get5SI.action		

The District will monitor DWR’s California Data Exchange Center’s (CDEC) provided information to determine when droughts may be imminent or occurring and review forecasts based on predictions by DWR weather models. The DWR provided information for the San Joaquin River watershed is posted online at: <http://cdec.water.ca.gov/cdecapp/drought/get5SI.action>.

The District also has the ability to perform local monitoring for the flows on the Cosumnes River with the USGS gage station data at Michigan Bar. An index based on historical range of flows for any given month between November and June is available to aid the District in determining when below average flows are present and indicate potential issues with water supply availability. The District will closely track flows in dry years due to the probability of impacts on the District’s ability to pump to the reservoir system. In addition, once a drought has been declared and the necessary drought stage is set, the District has the ability to closely monitor water usage with its automatic meter reading system to validate if the expected demand response in needed cutbacks is occurring within the District’s service area. If demand cutbacks are not occurring or the supply conditions are worsening, then the District will need to move to the next stage of shortage response measures.

STAGES OF ACTION

The stage determination and declaration shall be made by the General Manager. One of five (5) stages shall always be in effect; given the initial Stage “Normal” is targeting everyday conservation.

A change of stage requires that the Board of Directors be notified and a public notice be posted at District headquarters. Written notification will be provided to all customers at least 10 days prior to a Stage 2 - Water Warning with mandatory measures going into effect **and any higher Stages 3 and 4 will also be notified in writing to customers** Below is a summary table of stages and shortage mitigation actions that will serve as a guideline based water supply conditions. Given that water supply conditions may change rapidly due to decreasing river flows being observed through District monitoring (which project potential restrictions on pumping and supply shortages), some stages may be skipped if conditions warrant the need for faster reductions in demands to respond to the shortage conditions.

Table 1. Water Shortage Contingency Plan Summary

Water Supply Conditions	Shortage Stage	Objective	Response actions	Key Water Savings Opportunities
None 0% Total Supply Reduction	Normal - Ongoing conservation measures; Prohibition of Wasted Water in effect.	Public awareness	Normal actions	<ul style="list-style-type: none"> • Use everyday water conserving behaviors (i.e., stop off taps when not using water, avoid wasting water). • Check for and repair all leaks • Change to more water efficient using appliances and fixtures. • Maintain and adjust irrigation systems • Plant more native and water efficient plants.
Slightly Restricted Water Supplies (below normal) Up to XX% Total Supply Reduction	Shortage Stage 1 - Water Alert	Initiate public awareness of predicted water shortage and encourage conservation	Encourage voluntary measures to decrease "normal" demand up to 10%	<ul style="list-style-type: none"> • Use sacrificial water scarcity behaviors (i.e., shorter showers, etc.) • More aggressively check for and repair all leaks (instead of seasonally or monthly, perform weekly) • Reduce irrigation times on controllers • Consider fixture and appliance changes • Wash cars in recycled water facility
Moderately Restricted Water Supplies Up to XX% Total Supply Reduction	Shortage Stage 2 – Water Warning	Increase public understanding of worsening water supply conditions, move to initial mandatory shortage mitigation measures	Encourage voluntary measures to decrease "normal" demand up to 25%	<ul style="list-style-type: none"> • Continue to look for all ways to reduce water use (increasingly shorter showers, less toilet flushing, etc.) • Cutback on watering times and days • Consider alternative sources of supply, like implementing a graywater system for reusing water outdoors. • Consider if certain plants may not need to be watered at all or as much (e.g. deficit irrigate lawns).
Severely Restricted Water Supplies Up to XX% Total Supply Reduction	Shortage Stage 3 – Water Crisis (severe prohibitions) on use	Ensure that water use is limited to essential uses only	Enforce extensive restrictions on water use and implement water rationing to decrease demand up to 50%	<ul style="list-style-type: none"> • Implement all possible ways to reduce water use (increasingly shorter showers, less toilet flushing, etc.) • Further cut back on watering times and days • Consider if certain plants may not need to be watered at all (e.g. stop irrigating lawns). • Make more challenging upgrades to more efficient appliances and fixtures
Extremely Restricted Water Supplies More than % Total Supply Reduction	Shortage Stage 4 – Water Emergency (increasing severe prohibitions with mandatory restrictions on use)	Ensure that water use is limited to health and safety purposes.	Enforce extensive restrictions on water use and implement water rationing to decrease demand on the order of 50%	<ul style="list-style-type: none"> • Use water for only essential domestic sanitation needs. • No outdoor watering (or alternatively a water rationing scheme) • Extreme water sacrificing behaviors (limit all behavioral uses of water (i.e., fewer showers) • Maximize on-site reuse of water (graywater, rainwater capture, etc.) as appropriate for uses while maintaining health and sanitation needs.

STAGE “NORMAL” - NORMAL SUPPLY AND ON-GOING CONSERVATION

The District’s supply or distribution system is able to meet all the water demands of its customers in the near future. Based on the 2020 Compliance Plan Update (Brown and Caldwell, 2010), the District calls for efficient and reasonable use and District staff implementation of conservation measures will continue as planned.

Triggering Mechanism	Normal water year conditions forecasted by Department of Water Resources, Office of State Climatologist and/or U.S. Bureau of Reclamation. Full storage anticipated in all lakes and ability to provide full water supply to all customers.
Consumption Limits	Service area-wide target for reduction: 0.5-1% reduction per year for 10 years per the District’s 2020 Compliance Plan. Voluntary conservation encouraged and participation in the District’s water conservation program.
District Actions	During Stage “Normal”, all normal conservation programs would continue.
Requested Consumer Action	Follow the basic conservation measures set forth in under Normal Supply Conditions of the four-stage conservation program described herein.
Penalties	For the first and subsequent water waste violations, penalties will be issued according to District Water Code – Chapter 14, Section 13.

STAGE 1 - WATER ALERT

There is a probability that the District’s supply or distribution system will not be able to meet all the water demands of its customers.

Triggering Mechanism	Any short-term water system operational issues deemed by the General Manager to warrant calling this stage based on a minor shortage targeting the need for a 5-10% cutback in demand. For long-term supply conditions, evidence of an abnormally dry water year conditions forecasted for the San Joaquin River by Department of Water Resources, Office of State Climatologist and/or U.S. Bureau of Reclamation. Less than full storage is anticipated in all lakes and there may be inability to provide full water supply to all customers.
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Consumption Limits All customers would be encouraged to reduce consumption by 5 - 10% for the duration of the water alert.

District Actions Continue the basic conservation program elements, and initiate public information campaign. Explain the supply condition to the public. Request voluntary drought curtailment of water use through customer changing to more water efficient behaviors (trim water times, take shorter showers, etc.).

Requested Consumer Actions Customers will be asked to implement Stage 1 shortage mitigation measures and adhere to the District Water Code – Chapter 14, Section 10.02, Water Waste.

Penalties For the first and subsequent water waste violations, penalties will be issued according to District Water Code – Chapter 14, Section 13.

Stage 2 - WATER WARNING

The District's supply or distribution system will not be able to meet all the water demands of its customers.

Triggering Mechanism Any short-term water system operational issues deemed by the General Manager to warrant calling this stage based on a moderate shortage targeting the need for an 11-25% cutback in demand. For long-term supply conditions, evidence of more severe drought conditions are forecasted by the Department of Water Resources, and/or goal of 10% demand cutbacks in Stage 1 is not achieved, and/or low flow conditions are predicted for the Cosumnes River that may impact pumping capability.

Consumption Limits **Service area-wide target for reduction: 11 - 25%.** Customers will be educated by the District on ways to achieve reduced consumption based on their own home or business unique opportunities to save for the duration of the water warning condition.

District Actions Continue conservation program and District actions listed through Stage 1, mandate compliance to Stage 2 Shortage mitigation measures of the District's Four Stage Plan. Continue with a more rigorous public information campaign. Explain supply shortage and disseminate technical information as needed.

Requested Customer Actions Customers will be notified in writing and through other media (e.g. District web site, etc.) at least 10 business days in advance that Stage 2 shortage mitigation measures are in effect and compliance will be required.

Penalties For the first and subsequent water waste violations, penalties will be issued according to District Water Code – Chapter 14, Section 13.

STAGE 3 - WATER CRISIS

The District’s supply or distribution system is not able to meet all the water demands of its customers under Stage 2 - Water Warning requirements.

Triggering Mechanism Any short-term water system operational issues deemed by the General Manager to warrant calling this stage based on a severe shortage targeting the need for a 26-50% cutback in demand. For long-term supply conditions, evidence of increasingly severe or persistent drought conditions are occurring or forecasted by the Department of Water Resources, and/or goal of 25% demand cutbacks in Stage 2 is not achieved, and/or low flow conditions for the Cosumnes are impacting pumping capability.

Consumption Limits **Service area-wide target for reduction: 26 - 50%.** Customers will be educated by the District on ways to achieve reduced consumption based on their own home or business unique opportunities to save for the duration of the water crisis condition until the water crisis has been declared over.

District Actions Continue all conservation program and District action elements through Stage 2, and mandate adherence to all shortage mitigation measures required under Stage 3 of the District’s Four Stage Shortage Mitigation Measures. Institute a rationing program through an allocation.

Requested Customer Actions Customers will be requested to comply with all Stage 3 shortage mitigation measures listed in the Five (5) Stage Shortage mitigation measures.

Penalties: For the first and subsequent water waste violations, penalties will be issued according to District Water Code – Chapter 14, Section 13.

STAGE 4 - WATER EMERGENCY

The District is experiencing a major failure of a supply, storage or distribution facility.

Triggering Mechanism

Any short-term water system operational issues deemed by the General Manager to warrant calling this stage based on an extreme shortage targeting the need for a more than 50% cutback in demand. For long-term supply conditions, evidence of exceptional, extreme or persistently severe drought conditions are occurring or forecasted by the Department of Water Resources, and/or goals for demand cutbacks in Stage 3 are not being achieved, and/or low flow conditions for the Cosumnes are severely impacting pumping capability.

Consumption Limits

*Conditions that would lead to a Stage 4 drought are highly unlikely. **Service area-wide target for reduction: Greater than 50%.***

Customers will be educated by the District on ways to achieve reduced consumption based on their own home or business unique opportunities to save for the duration of the water crisis condition. All customers may be required to restrict consumption to 50% (or more) of normal demands for the duration of the water emergency. If conditions warrant, the District may implement a rationing program for an indefinite period of time to ensure, to the extent possible, that there is adequate water for essential uses.

District Actions

Continue all conservation programs and District action elements through Stage 3, and mandate that all Stage 4 shortage mitigation measures be implemented immediately and strictly enforced.

Intensify media outreach program with regular updates on the state of the emergency.

Requested Customer Actions

Customers will be required to comply with all Stage 4 shortage mitigation measures.

Penalties

For the first and subsequent water waste violations, penalties will be issued according to District Water Code – Chapter 14, Section 13. Written notice shall be issued to customers using more than their customer category allocation (defined as more than 20% above allowable use)

and without a District approved variance (i.e., medical need). While maintaining adequate minimum fire flows for those homes with fire sprinklers, the District may install a flow restrictor on the service line if customer average daily usage is not reduced to within the allocation threshold after 10 days from the date of the written notice, a flow restrictor may be installed for a minimum of 10 days. The flow restrictor may remain in place during the irrigation season until December 1st or the District may suspend service temporarily until the cause of the violation is corrected. The flow restrictor may be removed based on the General Manager's approval and payment of all outstanding penalty and water service charges have been paid. A minimum of a reconnection fee will be charged as defined in District Water Code - Chapter 14. A customer may appeal one (1) time to the District Board of Directors.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER CONSERVATION MEASURES STAGE DEFINITIONS

“Normal” – Normal Water Supply and On-going Conservation

The District’s supply or distribution system is able to meet all water demands of its customers in the immediate future. All customers are being encouraged to use water for beneficial and reasonable uses. District customer demands are being monitored for meeting 20% reduction by 2020.

Stage One – Water Alert

There is a probability that the District’s supply or distribution system will not be able to meet all the water demands of its customers and the District’s ability to pump to reservoirs system may be impacted.

Stage Two – Water Warning

The District’s supply or distribution system is forecasted to not be able to meet all the water demands of its customers and District ability to pump to reservoirs system is forecasted to be or is actively being impacted.

Stage Three – Water Crisis

The District’s supply or distribution system is projected to not be able to meet all the water demands of its customers under **Stage 2 - Water Warning** requirements and District ability to pump to reservoirs system predicted to be or actually being impacted

Stage Four – Water Emergency

The District is projecting an imminent failure of a water supply, storage, or distribution facility based on an estimate of supply remaining.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER CONSERVATION MEASURES

“Normal” Supply and On-going Conservation Requested of Every Household or Business

1. Water will be used for beneficial uses; all unnecessary and wasteful uses of water are prohibited as described in District Code – Chapter 14 Water Code. Take advantage of the free information available from the District on how to use water efficiently, read a water meter, repair leaks, and irrigate efficiently. Up to date information is provided through the District’s web site.
2. Use water efficiently. Water shall be confined to the consumer’s property and shall not be allowed to run off to adjoining property or to the gutter. Care shall be taken not to water past the point of soil saturation. Customers are encouraged to report observed water waste. Two (2) to three (3) days per week using cycle and soak methods is sufficient for landscapes in the Rancho Murieta Community.
3. Prohibit free-flowing hoses for all uses including vehicle and equipment washing, ponds, and evaporative coolers. Use a hose and bucket method for washing and attach automatic shut-off devices on any hose or filling apparatus in use.
4. Regularly check and maintain irrigation systems, repair leaks, and adjust spray heads to provide optimum coverage and eliminate avoidable over-spray. Reduce minutes of run-time for each irrigation valve if water run-off (gutter flooding) is occurring.
5. Automatic sprinkler system timers shall be set to operate during cool evening hours and early morning hours when evaporation rates are low and on off-peak electrical hours (ideally between 3 a.m. and 6:00 a.m.). Customers are encouraged to reduce scheduled watering minutes.
6. Repair all leaks promptly. Leaking consumer pipes or faulty sprinklers shall be repaired within seven (7) days or less if warranted by the severity of the problem and subject to penalties as described in District Code – Chapter 14, Water Code, Section 13.03.
7. Properly maintain all pools, spas, and ornamental fountains/ponds to avoid drain and refill. All water features and pools shall be equipped with a recirculating pump and shall be constructed to be leak-proof. Pool draining and refilling shall be allowed only for health, maintenance, or structural considerations. Customer requests must be substantiated in writing by a pool consultant and approved by the District.
8. Avoid washing of streets, parking lots, driveways, sidewalks, or buildings, except as necessary for health or sanitary purposes. Use a high efficiency pressurized water broom for these purposes and not a conventional pressure washer or hose with a shut-off nozzle.

9. U.S. Environmental Protection Agency (EPA) WaterSense labeled water efficient plumbing fixtures, water efficient appliances, and high efficiency irrigation techniques, such as drip, are encouraged, as described in District Code – Chapter 14 – Water Code, Section 11 and found online at: www.epa.gov/watersense.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER SHORTAGE MEASURES STAGE DEFINITIONS

Stage One - Water Alert

Goal is 10% Reduction per Average Household or Business

1. All Stage “Normal” actions remain in force; unless revised herein.
2. All customers are encouraged to report observed water waste. The District’s Security Officers will be notifying District operations of any observed water waste for follow-up action.
3. Prohibit washing of streets, parking lots, driveways, sidewalks, or buildings, except as necessary for health or sanitary purposes. High efficiency pressurized water brooms are required for these purposes, conventional pressure washers or hoses with shut-off nozzles are not allowed.
4. Landscape irrigation shall be watered efficiently, preferably with a weather based irrigation controller or hose timer. If a weather based controller is not installed, change the minutes of run-time for irrigation valves consistent with fluctuations in weather as determined by evapotranspiration data provided by the District/Regional Water Authority.
5. Watering is limited to a maximum of **three (3) days per week** if and when necessary and no watering schedule (e.g., additional minutes) increases are permissible on designated watering days. Three (3) days per week water is sufficient for landscapes in the Rancho Murieta Community. Customers are to use cycle and soak watering with up to three (3) short watering cycles. Watering days need to be based on the following schedule.
 - ◆ Customers in Watering Group A may irrigate only on **Monday, Wednesday and Friday.**
 - ◆ Customers in Watering Group B may irrigate only on **Tuesday, Thursday and Saturday.**
 - ◆ **Sunday irrigation is not allowed.**
6. Residents are encouraged to reduce indoor water use by limiting showers. Washing full clothes washer and dishwasher loads.
7. Restaurants shall serve water only upon specific request.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER SHORTAGE MEASURES STAGE DEFINITIONS

Stage Two - Water Warning

Goal is 25% Reduction per Average Household or Business

1. All Stage “Normal” and Stage 1 actions remain in force; unless revised herein.
2. Landscape irrigation shall be limited to a maximum of **two (2) days per week** when necessary and no watering schedule (e.g., additional minutes) increases are permissible on designated watering days. Two (2) days per week water is sufficient for landscapes in the Rancho Murieta Community. Customers are to use cycle and soak watering with up to three short watering cycles. Watering shall be based on the following schedule.
 - a. Customers in Watering Group A may irrigate only on **Tuesdays and Saturdays**.
 - b. Customers in Watering Group B may irrigate only on **Wednesdays and Sundays**.
 - c. Watering times will be between the hours of 8:00 p.m. to 8:00 a.m. only.
3. Restaurants shall serve water only upon specific request.
4. Residents are strongly encouraged to reduce indoor water use by limiting showers, clothes washing and dish washing.
5. Tiered rate pricing will be instituted at this stage to promote more equitable and efficient water use and in an effort to meet demand cutback goals. A drought surcharge may also be included as needed to maintain revenue stability and/or assist with achieving demand reduction goals as needed based on approved District policies and District Code – Chapter 14 – Water Code.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER SHORTAGE MEASURES STAGE DEFINITIONS

Stage Three - Water Crisis

Goal is 25-50% Reduction per Average Household or Business

1. All Stage “Normal,” 1 and 2 actions remain in force; unless revised herein.
2. All customers are encouraged to report observed water waste. District security will be notifying District operations of any observed water waste for follow-up action.
3. Landscape irrigation shall be limited to a maximum of **one (1) day per week** when necessary and no watering schedule (e.g., additional minutes) increases are permissible on designated watering days. One (1) day per week water is sufficient for landscapes in the Rancho Murieta Community. Customers are to use cycle and soak watering with up to three short watering cycles. The schedule shall be based on the following **water day** schedule based on the following schedule.
 - ◆ Customers in Watering Group A may irrigate only on **Saturdays**.
 - ◆ Customers in Watering Group B may irrigate only on **Sundays**.
4. No irrigation is permitted on **Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays**.
5. No watering of new turf grass or replacement turf grass.
6. Vegetable garden may be hand watered.
7. No potable water from the District’s system shall be used to fill or refill new swimming pools, artificial lakes, ponds, or streams or other water feature until the **Water Crisis** has been declared over.
8. Prohibit water use for all ornamental water features (i.e. ponds and fountains).
9. No washing of automobiles or equipment shall be permitted unless done at a commercial establishment that uses recycled or reclaimed water.
10. Tiered pricing will be implemented to ensure drought mitigation goals are met. A drought surcharge may also be included as needed to maintain revenue stability based on approved District policies and District Water Code.

11. Cleaning of sewers, streets or flushing fire hydrants is restricted by any party other than emergency personnel or District employees and subject to District approval.
12. While maintaining adequate minimum fire flows for those homes with fire sprinklers, flow restrictors may be installed for excessive users persistently exceeding their water use above District defined rationing allocation for their customer category. Flow restrictors shall be one (1) gallon per minute (gpm) or less which is adequate for domestic sanitation needs.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER SHORTAGE MEASURES STAGE DEFINITIONS

Stage Four - Water Emergency

Goal is 50+% Reduction per Average Household or Business

1. All Stage "Normal," 1, 2, and 3 actions remain in force, unless revised herein.
2. All customers are encouraged to report observed water waste. Aggressive enforcement of water waste and no landscape irrigation shall include penalties up to mandatory misdemeanor citations with fines as noted in Section 13 of the Districts Water Code.
3. Landscape and garden irrigation shall not be allowed unless taken from a bucket from indoor water graywater sources (e.g., bath or clothes washer rinse water).
4. Cleaning of sewers, streets or flushing of fire hydrants is prohibited except in case of emergency and for essential operations.
5. No potable water from the District's system shall be used for construction purposes such as dust control, compaction, or trench jetting.
6. No new or replacement landscaping of any kind can be installed.
7. Tiered pricing with drought surcharges will be in effect.
8. All uses of potable water from a fire hydrant are prohibited except for: fighting fires, District-approved human consumption essential water quality flushing, and toxic clean-up purposes.
9. While maintaining adequate minimum flows per regulatory requirements, flow restrictors will be installed for excessive users persistently exceeding their water use above District defined rationing allocation for their customer category. Flow restrictors shall be one (1) gallon per minute (gpm) or less which is adequate for domestic sanitation needs.

ATTACHMENT A

EMERGENCY OPERATING PROCEDURES DUE TO CATASTROPHIC FAILURE

ATTACHMENT B

Excerpt from the California Water Code, Urban Water Management Planning Act:
www.leginfo.ca.gov

10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier:

(1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions that are applicable to each stage.

(2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

(3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

(4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.

(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

(6) Penalties or charges for excessive use, where applicable.

(7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

(8) A draft water shortage contingency resolution or ordinance.

(9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

(b) Commencing with the urban water management plan update due December 31, 2015, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.