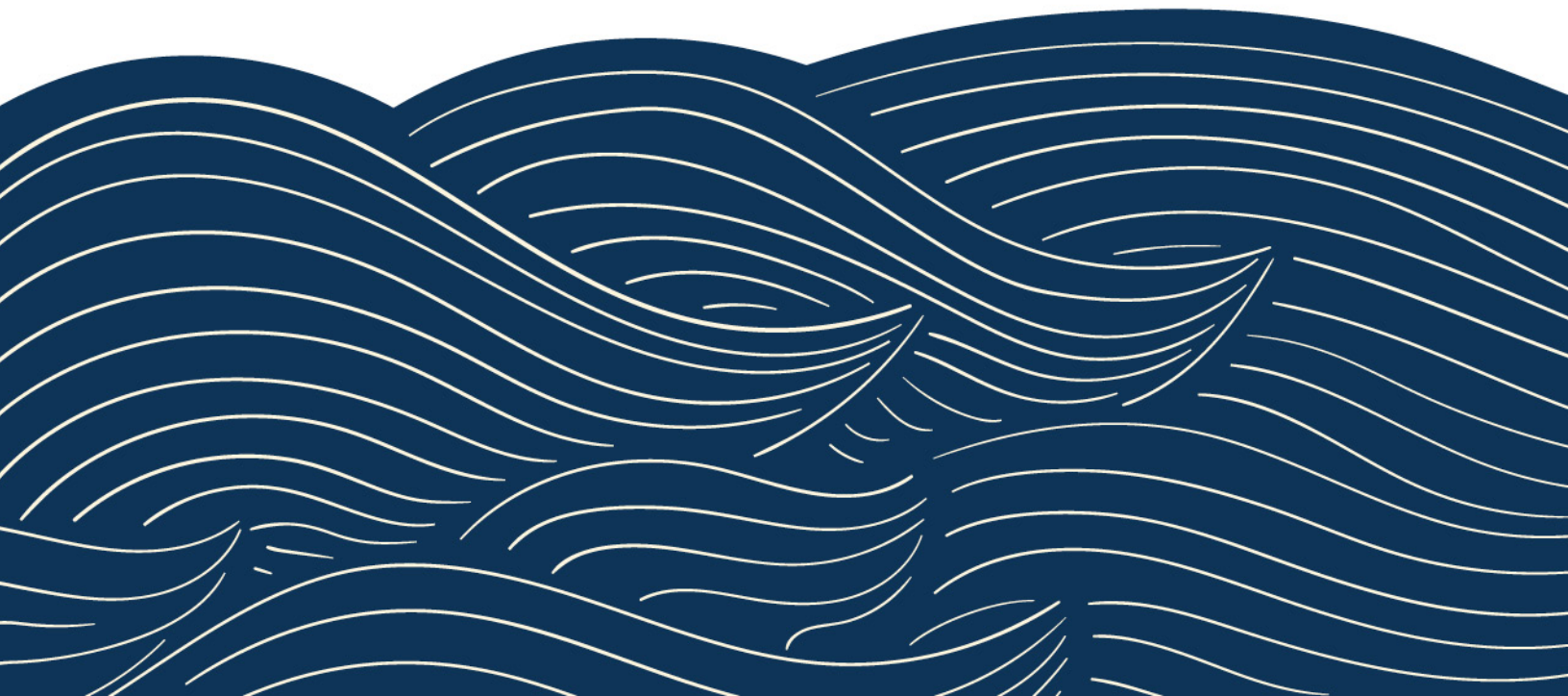


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2021 Water Shortage Contingency Plan



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ELSINORE VALLEY MUNICIPAL WATER DISTRICT

Water Shortage Contingency Plan

FINAL

JUNE 2021

Prepared by Water Systems Consulting, Inc.



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Water Shortage Contingency Plan

The Water Shortage Contingency Plan (WSCP; or Plan) is a strategic plan that Elsinore Valley Municipal Water District (EVMWD) uses to prepare for and respond to foreseeable and unforeseeable water shortages. A water shortage occurs when the water supply available is not sufficient to meet the normally expected customer water use at a given point in time. A shortage may occur due to many reasons, such as an extended drought, water pollution, a power outage, and/or a catastrophic event.

The WSCP is used to provide guidance to EVMWD's Board of Directors (Board), staff, and the public by identifying anticipated water shortages and response actions to manage any water shortage with predictability and accountability in an efficient manner. This WSCP is not intended to provide absolute direction; rather, it is intended to provide a working framework and options to help guide the EVMWD's response to water shortages.

The purpose of the WSCP is to conserve the available water supply and protect the water supply's integrity while also protecting and preserving public health, welfare, and safety. Preparation provides the tools to maintain reliable supplies and reduce the impacts of supply interruptions during a water shortage.

Water shortages can be triggered by a hydrologic limitation in supply (i.e., a prolonged period of below normal precipitation and runoff), limitations or failure of supply and treatment infrastructure, or both. Hydrologic or drought limitations tend to develop and abate more slowly, whereas infrastructure failure tends to happen quickly and relatively unpredictably.

Water supplies may be interrupted or reduced significantly in several ways, such as during a drought that limits supplies, an earthquake that damages water delivery or storage facilities, a regional power outage, or a toxic spill that affects water quality.

The WSCP describes the following:

- **Water supply reliability analysis:** EVMWD's water supply analysis and reliability are described and any key issues that may trigger a shortage condition are identified.
- **Annual water supply and demand assessment procedures:** The key data inputs, evaluation criteria, and methodology for assessing the system's reliability are described for the coming year, as are the steps to formally declare any water shortage levels and response actions.
- **Shortage stages:** Water shortage levels are established to clearly identify and prepare for shortages.
- **Shortage response actions:** Response actions are described that may be implemented or considered for each stage to reduce gaps between supply and demand.
- **Communication protocols:** Communication protocols under each stage are described to ensure customers, the public, and government agencies are informed of shortage conditions and requirements.

- **Compliance and enforcement:** Compliance and enforcement actions available to administer demand reductions are defined.
- **Legal authority:** The legal documents are summarized that grant EVMWD the authority to declare a water shortage and implement and enforce response actions. EVMWD's current Ordinance 225, adopted in 2015, provides EVMWD the authority to adopt and enforce a WSCP. Ordinance 225 outlines the shortage stages and response actions identified in this WSCP (Elsinore Valley Municipal Water District, 2015).
- **Financial consequences of WSCP implementation:** The anticipated financial impacts of water shortage stages are described and mitigation strategies to offset financial burdens are identified.
- **Monitoring and reporting:** The monitoring and reporting techniques to evaluate the effectiveness of shortage response actions and overall WSCP implementation are summarized. Results are used to determine if additional shortage response actions should be activated, if efforts are successful, and if response actions should be adjusted.
- **WSCP refinement procedures:** Factors that may trigger updates to the WSCP are described, and the WSCP outlines how to complete an update.
- **Special water-features distinctions:** Considerations are defined, and definitions are provided for water use for decorative features versus pools and spas. Decorative features include ornamental fountains, ponds, and other aesthetic features.
- **Plan adoption, submittal, and availability:** The WSCP adoption process, submittal, and availability after each revision are described.

This WSCP was prepared in conjunction with EVMWD's 2020 Urban Water Management Plan (UWMP) and is a standalone document that can be modified as needed. This document is compliant with the California Water Code Section 10632 and guidance was incorporated in it from the State of California Department of Water Resources UWMP Guidebook 2020 (California Department of Water Resources, 2021).

The WSCP addresses several types of water supply shortages that could potentially impact EVMWD and its customers, including:

- Short-term supply shortages due to a decrease in surface water and groundwater levels, natural or manmade catastrophic emergencies, or production capacity limitations
- Long-term supply shortages due to prolonged drought, groundwater over pumping, contamination, destruction of critical water supply facilities, and so forth

EVMWD also developed a Drought Contingency Plan (DCP) in 2018, which was used to develop this WSCP. The DCP includes information on drought monitoring, a drought vulnerability assessment, mitigation actions, response actions, and operational and administrative frameworks for the implementation of the DCP. The DCP was developed in response to significant droughts in California that severely affected water supplies. Under the DCP, EVMWD developed a drought-monitoring framework that was used to monitor near- and long-term water availability and described steps for confirming existing droughts and predicting droughts. Details for this process include analyzing weather indices like the Palmer Drought Severity Index and the Standard Precipitation Index from the National Oceanic and Atmospheric Administration. In addition, EVMWD will monitor supply availability for both local and imported water sources, infrastructure operability, and any statewide mandates that may influence supply and demand (Civiltec for Elsinore Valley Municipal Water District, 2018). Additional information on the drought monitoring framework is provided in the DCP.

1.1 Water Supply Reliability Analysis

This section is structured in accordance with California Water Code (CWC) Section 10632(a)(1) and describes the key findings of the water supply reliability analysis that was conducted pursuant to CWC Section 10635, which is presented in **Chapter 7** of the EVMWD's 2020 UWMP (WSC, 2021). Understanding the water supply reliability factors provides EVMWD with a solid basis for developing appropriate and feasible response actions during a water shortage.

1.1.1 Supply Characterization

EVMWD's three primary sources of potable water supply are:

1. Local groundwater pumped from EVMWD-owned wells
2. Surface water from Canyon Lake Reservoir and treated by the Canyon Lake Water Treatment Plant (CLWTP). This source is offline until treatment upgrades are completed.
3. Imported water purchased from Metropolitan Water District (Metropolitan) through Western Municipal Water District (Western)

EVMWD first relies on local supplies prior to importing water. EVMWD is planning to use these supplies to meet its future demands under normal, single-dry, and five-consecutive-year drought conditions.

EVMWD is also planning to implement the following projects to increase the reliability of its supplies:

- **Palomar well replacement** — anticipated to be completed in 2023
- **Lee Lake Basin wells** — anticipated to be completed in 2024
- **Treatment upgrades at CLWTP** — anticipated to be completed in 2025
- **Temescal Pauba groundwater well** — anticipated to be completed in 2032
- **Indirect Potable Reuse (IPR) at the Regional Wastewater Reclamation Facility** — anticipated to be completed in 2034

The new projects have the potential to increase the water supply by 10,245 acre-feet per year (AFY) by 2045.

Furthermore, EVMWD has access to several additional water sources through its acquisition of the Temescal Water Company assets in 1989. These consist of groundwater from the Bunker Hill, Rialto-Colton, Riverside North, Bedford, Coldwater, and Lee Lake basins, and surface water from Temescal Creek and several tributary creeks. Currently, EVMWD has a 20-year agreement with Western to lease EVMWD's water rights in the San Bernardino Basin Area, totaling 4,680 AFY. The lease agreement, which provides a cost savings to Western customers and revenue to EVMWD, also includes four optional five-year extensions.

EVMWD also has a recycled-water network that delivers non-potable recycled water to customers in four different service areas. Three of the service areas are supplied by EVMWD and one recycled-water service area is supplied from the Santa Rosa Water Reclamation Facility owned by Santa Rosa Regional Resources Authority. All three of EVMWD's water reclamation facilities produce tertiary recycled water.

1.1.2 Water Service Reliability Assessment

In the 2020 UWMP, EVMWD conducted a Water Service Reliability Assessment to compare the total water supply sources available to long-term projected water demands over the next 25 years, in five-year increments, for a normal, single-dry year, and a five-year consecutive dry period. This analysis indicates that EVMWD's water supply portfolio is reliable under all scenarios and anticipates meeting demands through local and imported water sources.

1.1.3 Drought Risk Assessment

New to the 2020 UWMP, CWC Section 10635 (b) requires a Drought Risk Assessment (DRA), an analysis to evaluate the current supply reliability for 2021–2025 under stressed hydrologic conditions. This short-term analysis can help water suppliers foresee undesired risks, such as upcoming shortages, and allow for proactive steps to be taken before the next actual drought period that lasts at least five consecutive years.

EVMWD may use this analysis to determine how severe near-term shortages will be and identify the appropriate shortage level. The 2020 EVMWD DRA concluded that if a drought were to occur within the next five years, EVMWD's water supply portfolio is reliable and can still meet customer demands. EVMWD does not anticipate any supply shortages within the next five years from local or imported water sources.

1.1.4 Water Supply Reliability Risks

EVMWD's water supply may be threatened by different risks. Imported water may be affected greatly by climate change, whereas local groundwater and surface water may be affected more strongly by water quality issues. Risks to imported water, local groundwater, and surface water are summarized below and detailed in Chapter 7 of the 2020 UWMP.

Imported water supply may be significantly affected by climate change. Climate change is anticipated to increase the frequency and intensity of droughts and flooding, alter the timing of snowmelt, and increase variability in precipitation while raising average temperatures and increasing sea levels. This may affect the amount of water available in the Bay-Delta and Colorado River systems and possibly limit EVMWD's access to imported water.

Local groundwater may be affected by over pumping. However, local groundwater basins have, or will soon have, Groundwater Sustainability Plans (GSPs) in place to guide water agencies to properly manage groundwater basins and ensure sustainability for future generations, in accordance with the Sustainable Groundwater Management Act. EVMWD extracts groundwater from the Elsinore Basin, which is also negatively affected by nitrates and arsenic. To combat high levels of nitrates, EVMWD continues to monitor and treat groundwater by blending it with other higher-quality water. To address arsenic, EVMWD treats groundwater at the Back Basin Groundwater Treatment Plant and blends it with other higher-quality water prior to conveyance to customers.

In addition, surface water from Canyon Lake is currently affected by per- and polyfluoroalkyl substances (PFAS) and, therefore, is not used as an active supply source. EVMWD is monitoring PFAS levels and working on a solution to reinstate Canyon Lake as an active supply source by early to mid-2025.

1.2 Annual Water Supply and Demand Assessment

This section is structured in accordance with CWC Section 10632(a)(2) and describes the methodology for preparing and submitting the Annual Water Shortage Assessment Report (annual report) to DWR, due July 1 each year starting in 2022. Because EVMWD receives imported water from the State Water

Project, EVMWD may submit the annual report within 14 days of receiving its final allocations, or by July 1 of each year, whichever is later. This section also discusses the decision-making process to formally approve any water shortage levels and response actions.

The annual report must include the annual water supply and demand assessment (Annual Assessment) results with information on how EVMWD intends to respond to shortages, if any. The Annual Assessment is an evaluation of the near-term outlook for supplies and demands. It is used to determine whether the potential for a supply shortage exists and whether there is a need to trigger WSCP shortage level and response actions in the current calendar year to maintain supply reliability. The annual report should report the anticipated shortage level, triggered shortage response actions, compliance and enforcement actions, and communication actions that will be implemented to mitigate the shortage identified in the Annual Assessment. The preparation of this report will inform the Board, the public, and state and local agencies about EVMWD’s water supply conditions and the likelihood of water shortages.

The annual report process will take place at the same time each year on the basis of known circumstances and information available to EVMWD at the time of analysis and can be updated or revised at any time if circumstances change. EVMWD will establish and convene a WSCP Team to conduct the Annual Assessment each year.

The 2018 DCP included an operational and administrative framework to designate roles and responsibilities for implementing the DCP. It is assumed that the same team will be responsible for implementing the WSCP. **Table A-1** identifies the key members of the WSCP and DCP teams and responsibilities associated with each plan element.

Table A-1. Operational and Administrative Framework

TASK	TASK FORCE LEAD(S)	RESPONSIBILITIES
Annual Assessment (WSCP)/ Drought Monitoring (DCP)	Water Resources Manager	Data collection, observation, drought forecast, monitor hydrologic conditions, and share information with stakeholders.
Vulnerability Assessment	Water Resources Manager	Climate change assessment, vulnerability assessment.
Mitigation Actions	Water Resources and Engineering Mangers	Evaluate and initiate infrastructure opportunity for mitigation actions.
Response Actions	Water Resources Manager, Community Relations Manager/Community Affairs Supervisor, Assistant General Manager	Create and identify response actions, stages and fines, relationship, education, communication, and initiate response actions.
Plan Actions	Water Resource Manager	Create plan update process and assign personnel.
Source: Elsinore Valley Municipal Valley Water District Drought Contingency Plan (2018)		

EVMWD’s Annual Assessment procedure, including key data inputs, evaluation criteria, and responsible staff is summarized in **Table A-2**.

Table A-2. Annual Assessment Procedure

TIMING	ASSESSMENT ACTIVITIES	PROCEDURE, KEY DATA INPUTS, EVALUATION CRITERIA AND OTHER CONSIDERATIONS	EVMWD STAFF RESPONSIBLE
March	Estimate unconstrained demands for the upcoming year	EVMWD evaluates water budgets every two-years and will utilize this effort to determine anticipated demands for the coming year. Water budgets will be compared to actual demand use to ensure actual demand trends represent the forecasted water budget estimate to build reliability.	Water Resources Manager Water Resources Planner/Engineer Finance Manager
March	Estimate available supplies for the year, considering the following year will be dry	EVMWD anticipates that sufficient imported supplies will be available to meet demands, even in dry years, based on Metropolitan and Western’s 2020 UWMP. If Metropolitan enacts their Water Shortage Allocation Plan (WSAP) and declares a shortage stage (typically done in the spring of a given year if needed), normal quantities of water will still be available, but will be charged at penalty rate above the allocation. EVMWD’s local supplies are from groundwater basins and the CLWTP (currently not in use). Local groundwater basins are in the process of developing GSPs to ensure sustainability and reliability for future generations. Groundwater basins are not anticipated to be impacted in dry years.	Water Resources Manager Water Resources Planner/Engineer
March	Consider potential infrastructure constraints that may impact supply delivery	Identify any known Metropolitan, Western, or EVMWD infrastructure issues that may pertain to near-term water supply reliability, including repairs, construction, and environmental mitigation measures that may temporarily constrain capabilities, as well as any new projects that may add to system capacity. Identify any facilities out of service due to water quality problems, equipment failure, etc. that may impact normal water deliveries.	Water Resources Manager
April	Convene WSCP Team to conduct Retail Annual Assessment	Compare supplies and demands and discuss any infrastructure constraints that may impact supply delivery. If the potential for a shortage exists or if Metropolitan/Western have enacted a WSAP stage, determine which EVMWD shortage response level and actions are recommended to reduce/eliminate the shortage or to reduce demands on Metropolitan/Western. Additionally, if the State declares a drought state of emergency and requires demand reductions, the WSCP Team will determine which water shortage level and response actions are needed to comply with the State mandate.	WSCP Team

*Table continues on the next page.

TIMING	ASSESSMENT ACTIVITIES	PROCEDURE, KEY DATA INPUTS, EVALUATION CRITERIA AND OTHER CONSIDERATIONS	EVMWD STAFF RESPONSIBLE
June	EVMWD Board of Directors	If the potential for a shortage exists, if Metropolitan and/or Western has enacted a WSAP stage or the State has mandated demand reductions, the results of the Annual Assessment will be presented to the EVMWD Board of Directors, including the recommended shortage level and response actions. The Board of Directors may order the implementation of a shortage level and will adopt a resolution declaring the applicable water shortage level.	Water Resources Manager Board of Directors
On-Going	Implement WSCP actions, if needed	Relevant members of EVMWD’s staff will implement shortage response actions associated with the declared water shortage level	WSCP Team
Prior to July 1st	Submit Annual Assessment	Submit Final Annual Assessment to DWR	Water Resources Manager

1.3 Water Shortage Levels

This section is structured in accordance with CWC Section 10632(a)(3) and describes EVMWD’s water shortage levels. New to the 2020 UWMP, water suppliers must now adopt six standard water shortage levels. However, a water supplier may maintain its current shortage levels if a crosswalk relating its existing shortage levels to the six standard levels is included. DWR standardized the shortage levels to provide a consistent regional and statewide approach to measure water supply shortage conditions. The six standard water shortage levels correspond to progressively increasing estimated shortage conditions (up to 10%, 20%, 30%, 40%, 50%, and greater than 50% shortages compared with the normal reliability conditions) and align with the response actions that a water supplier would implement to mitigate the severity of the impending shortages.

EVMWD is maintaining its current water shortage levels, as identified in Ordinance 225, with the intent to update them when Western updates its wholesale stages. EVMWD uses five shortage stages to identify and respond to water shortage emergencies. At a minimum, EVMWD encourages baseline conservation efforts year-round, regardless of a shortage emergency. Stages 3, 4, and 5 are further broken down into substages (3a, 3b, and so forth) to allow for greater flexibility when implementing response actions. **Table A-3** shows EVMWD’s five shortage levels, and a cross-reference to the six standard stages is shown in **Figure A-1**.

In 2020, EVMWD obtained approximately 64% of its total potable water supply as imported water from Western. With the exception of a catastrophic failure of Western’s Mills Gravity Line, a critical piece of infrastructure that conveys imported water to EVMWD and other local agencies, or other infrastructure failure of similar magnitude, EVMWD does not foresee imposing a water shortage level except under the State’s direction, as occurred in 2014. If a potential water supply shortage is identified in the Annual Assessment, this section provides information on the water shortage levels and response actions that EVMWD may implement.

Table A-3. DWR 8-1 Water Shortage Contingency Plan Levels

SHORTAGE LEVEL	PERCENT SHORTAGE RANGE ¹ (NUMERICAL VALUE AS A PERCENT)	SHORTAGE RESPONSE ACTIONS
1	Up to 5%	Stage 1 response actions
2	Up to 10%	Stages 1 and 2 response actions
3	Up to 25%	Stages 1, 2, and 3 response actions
4	Up to 40%	Stages 1, 2, 3, and 4 response actions
5	Up to or greater than 50%	Stages 1, 2, 3, 4, and 5 response actions

¹One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.

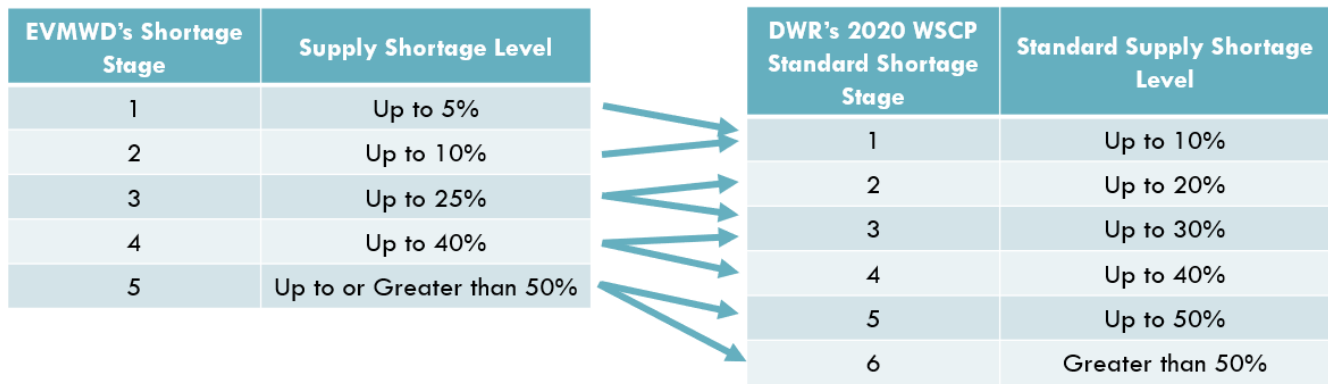


Figure A-1. EVMWD's Shortage Stages and Their Relationship to DWR's Six Standard Shortage Stages

1.4 Shortage Response Actions

This section is structured in accordance with CWC Section 10632(a)(4) and describes the response actions available to mitigate shortages. EVMWD expects to mitigate supply shortages through a variety of response actions, including demand-reduction actions, conservation, operational changes, outreach, and, if necessary, mandatory prohibitions. It should be noted that subsequent stages require that restrictions and prohibitions from previous stages continue to apply. If necessary, EVMWD may adopt additional actions not listed here in extreme circumstances. Ordinance 225 provides standing authorization for water use restrictions and prohibitions to become effective upon adoption by the Board. The following section discusses the response actions for each of EVMWD's five water supply shortage stages as provided in detail in EVMWD's Ordinance 225 (**Attachment 1**).

In the event of a water shortage emergency, EVMWD will evaluate the cause of the emergency to help inform which response actions should be implemented. Depending on the nature of the water shortage, EVMWD can elect to implement one or several response actions to mitigate the shortage and reduce gaps between supply and demand.

1.4.1 Demand Reduction

EVMWD has identified a variety of demand reduction actions to offset supply shortages. Demand-reduction measures are strategies intended to decrease water demand to close the gap between supply and demand. These actions include, but are not limited to, leak detection and repair, limitations on irrigation, and other voluntary actions to reduce customer demand. Demand reduction actions available to EVMWD that may be considered during water shortage conditions are summarized in **Table A-4**. These methods were effective in providing required substantial reductions in demand during the drought that commenced in 2012.

EVMWD also developed a long-term, comprehensive, system-wide system optimization review plan of EVMWD that provides an assessment of potential water management improvements to address annual water audits and efficient responses to reported water main breaks, meter testing, and meter replacement (Elsinore Valley Municipal Water District and Water Systems Optimization, 2020). This plan helps EVMWD identify and mitigate water loss throughout the system.

Table A-4. DWR 8-2 Demand Reduction Actions

SHORTAGE LEVEL	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP? ^{1,2}	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
1	Landscape - Other landscape restriction or prohibition	1-5%	All irrigation shall ensure automatic irrigation timers are adjusted according to changing weather patterns and landscape requirements	Yes
1	Other - Require automatic shut-off hoses	1-5%	All open hoses shall be equipped with automatic, positive shut-off nozzles.	Yes
1	Landscape - Limit landscape irrigation to specific times	1-5%	Watering of lawns and/or groundcovers and irrigating landscaping is permitted only between the hours of 6:00 p.m. and 6:00 a.m.	Yes
1	Landscape - Restrict or prohibit runoff from landscape irrigation	1-5%	Sprinklers and irrigation systems shall be adjusted to avoid overspray, runoff and waste. Watering on windy days is to be avoided.	Yes
1	Other	1-5%	Installation of water saving devices, such as low flow shower heads and faucet aerators, is encouraged	Yes
1	Landscape - Other landscape restriction or prohibition	1-5%	Selection of low-water-demand shrubs, groundcovers and trees for all new landscaping is strongly encouraged	Yes
1	Other water feature or swimming pool restriction	1-5%	All swimming pools, spas, ponds, and fountains shall be equipped with re-circulating pumps.	Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	1-5%	All plumbing leaks, improperly adjusted sprinklers, or other water conduits/fixtures that require repair or adjustment shall be corrected within 96 hours of notification	Yes
1	Other - Prohibit use of potable water for washing hard surfaces	1-5%	Prohibit use of potable water for washing hard surfaces	Yes
1	Landscape - Restrict or prohibit runoff from landscape irrigation	1-5%	No Person shall allow water to leave his or her property by drainage onto adjacent properties or public or private roadways or streets due to excessive irrigation or uncorrected leaks	Yes
1	Other - Vehicle washing except at facilities using recycled or recirculating water	1-5%	Washing of vehicles can only be done with a bucket or hand-held hose equipped with an automatic, positive shut off nozzle.	Yes

SHORTAGE LEVEL	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP? ^{1,2}	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
1	Other	1-5%	Construction operations receiving water from a construction meter, hydrant meter, or water truck shall not use water for any purpose other than those required by regulatory agencies. Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements.	Yes
2	Landscape - Limit landscape irrigation to specific days	5-10%	Use of movable or permanent sprinkler systems allowed no more than three days per week. However, irrigation of lawns, gardens, landscaped areas, trees, shrubs or other plants is permitted at any time if a hand-held hose, hand-held bucket, a drip irrigation system, or recycled water is used.	Yes
2	Landscape - Limit landscape irrigation to specific days	5-10%	Irrigation occurring during or 48 hours after a rain event is prohibited.	Yes
2	Other	5-10%	Construction meters utilizing potable water shall be issued only to those persons who have been issued valid grading and/or building permits.	Yes
2	CII - Restaurants may only serve water upon request	5-10%	All restaurants, cafes, and other public food service establishments are prohibited from serving drinking water unless specifically requested by their customers.	Yes
2	CII - Lodging establishment must offer opt out of linen service	5-10%	Hotels, motels and other commercial lodging establishments should provide customers the option of not having towels and linens laundered daily. Commercial lodging establishments should prominently display notice of this option in each bathroom using clear and easily understood language.	Yes
2	Pools and Spas - Require covers for pools and spas	5-10%	Customers shall install pool and spa covers to minimize water loss due to evaporation.	Yes
2	Landscape - Other landscape restriction or prohibition	5-10%	Installation of new landscapes shall be prohibited unless irrigated with drip irrigation. Exceptions may be provided for projects with prior approval by the appropriate jurisdiction.	Yes
2	Other	5-10%	The District shall develop a public information campaign to provide Customers with options for achieving the Stage 2 demand reduction goal. The District shall explore increased Customer incentives for conservation measures.	Yes

SHORTAGE LEVEL	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP? ^{1,2}	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
2	Other	5-10%	Water use beyond the water volume permitted will be charged a civil administrative penalty of \$1.59 per hundred cubic feet (CCF).	Yes
3	Landscape - Limit landscape irrigation to specific days	10-25%	Irrigation only three days per week	Yes
3	Pools - Allow filling of swimming pools only when an appropriate cover is in place.	10-25%	No filling uncovered swimming pools	Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	10-25%	Operation of any exterior ornamental fountain or similar structure is prohibited unless equipped with a recirculating system	Yes
3	Other	10-25%	The District shall eliminate all adjustments to existing residential Customers' outdoor Water Budgets including increases for swimming pools, spas, pond maintenance adjustments, etc.	Yes
4	Other	25-40%	Water use beyond the water volume permitted will be charged a civil administrative penalty of \$2.09 per hundred cubic feet (CCF).	Yes
4	Landscape - Limit landscape irrigation to specific days	25-40%	Irrigation only two times a week on odd/even calendar days	Yes
4	Other - Prohibit use of potable water for construction and dust control	25-40%	No District water shall be used for construction purposes	Yes
4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	25-40%	Commercial car-washing using recycled water only	Yes
4	Other - Prohibit use of potable water for construction and dust control	25-40%	No new construction or hydrant meters will be issued. Potable water shall not be used for earthwork, road construction, dust control, compaction, or trenching jetting.	Yes
5	Other	>40%	Water use beyond the water volume permitted will be charged a civil administrative penalty of \$4.01 per hundred cubic feet (CCF).	Yes

SHORTAGE LEVEL	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP? ^{1,2}	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
5	Landscape - Other landscape restriction or prohibition	>40%	All landscape and non-essential outdoor water use for all Customers in all areas of the District's retail water service area shall be prohibited	Yes
5	Other	>40%	No new water meter(s) shall be provided, except if the project is necessary to protect public health, safety, and welfare or when using recycled water.	Yes
5	Other	>40%	All dedicated irrigation meters will be locked off by District personnel.	Yes
<p>¹Reduction in the shortage gap is estimated and can vary significantly. The upper end of the gap reduction is based on the use of multiple demand reduction actions in a stage. For example, if all shortage level Stage 1 actions by EVMWD were implemented, a 5% reduction or higher in the shortage gap is estimated.</p> <p>²Reduction in the shortage gap for Stages 2–5 assume all measures in the previous stage(s) are implemented and those savings are counted toward the total reduction in the shortage gap. For example, in WSCP Stage 4, EVMWD may limit irrigation to specific days, and this measure, along with all demand management measures in Stages 1, 2, and 3, is estimated to reduce the shortage gap by 25-50%.</p>				

1.4.2 Supply Augmentation

EVMWD does not plan to use additional supply sources during a water shortage but rather mitigate supply impacts through demand reduction actions. If needed, EVMWD may use additional groundwater and/or imported water to meet demands.

1.4.3 Operational Changes

During shortage conditions, operations may be affected by demand-reduction responses.

EVMWD will consider their operational procedures at the time of a shortage to identify changes that can be implemented to address water shortage on a short-term basis, including but not limited to:

- Development of a public information campaign to educate and inform customers of the water shortage emergency and required water savings
- Decrease line flushing
- Increase water patrols
- Increase frequency of meter reading
- Offer water use surveys
- Implement or modify drought rate structure or surcharge
- Provide rebates for plumbing fixtures and landscape irrigation
- Decrease fire flow testing

1.4.4 Additional Mandatory Restrictions

Ordinance 225 identifies permanent restrictions that are always in effect under Stage 1. Stage 1 mandates the implementation of several permanent water waste prohibitions, even when there is no foreseeable threat of a water shortage. Water waste is in violation of California Law at any stage. Therefore, all normal water efficiency programs and water conservation regulations are in full force and effect during Stage 1.

The permanent shortage response measures include:

- All irrigation shall ensure automatic irrigation timers are adjusted according to changing weather patterns and landscape requirements.
- All open hoses shall be equipped with automatic, positive shut-off nozzles.
- Watering of lawns and/or groundcovers and irrigating landscaping is permitted only between the hours of 6:00 p.m. and 6:00 a.m.
- Sprinklers and irrigation systems shall be adjusted to avoid overspray, runoff, and waste. Watering on windy days is to be avoided.
- Installation of water-saving devices, such as low-flow shower heads and faucet aerators, is encouraged.
- Selection of low-water-demand shrubs, groundcovers, and trees for all new landscaping is strongly encouraged.
- All swimming pools, spas, ponds, and fountains shall be equipped with recirculating pumps.
- All plumbing leaks, improperly adjusted sprinklers, or other water conduits/fixtures that require repair or adjustment shall be corrected within 96 hours of notification.
- No person shall allow water to leave his or her property by drainage onto adjacent properties or public or private roadways or streets due to excessive irrigation or uncorrected leaks.

- Washing of vehicles can only be done with a bucket or hand-held hose equipped with an automatic, positive shut-off nozzle.
- Construction operations receiving water from a construction meter, hydrant meter, or water truck shall not use water for any purpose other than those required by regulatory agencies. Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements.

1.4.5 Emergency Response Plan

In 2020, EVMWD completed a Risk and Resilience Assessment (RRA) and Emergency Response Plan (ERP) in accordance with America's Water Infrastructure Act (AWIA) of 2018. The purpose of the RRA and ERP is to meet the AWIA compliance requirements and plan for long-term resilience of EVMWD's infrastructure.

The RRA assessed EVMWD's water system to identify critical assets that may be vulnerable to malevolent threats and natural hazards such as a seismic event, as well as identified measures that can be taken to reduce risk and enhance resilience from service disruption for the benefit of customers. The RRA identifies and characterizes both infrastructure-specific and systemwide vulnerabilities and threats, in addition to the consequences of disruption. The RRA also recognizes various options in addressing and mitigating risk due to intentional or accidental threats as well as natural hazards.

The ERP includes prevention and detection measures for a wide range of emergency situations. In the case of a seismic event, the ERP includes specific responses to mitigate damage and provide safety for staff during the event as well as documents detailing responses and action items to complete after the event. The ERP also defines roles and responsibilities of EVMWD staff and coordination with neighboring utilities and governing agencies, provides emergency procurement procedures and contact information, defines a path to restore water in the case of a service interruption, and protects public health.

EVMWD certified with the EPA that their RRA was compliant with all AWIA requirements on March 31, 2020 and their ERP on December 31, 2020, meeting all federal deadlines. Prior to AWIA certification, the District also performed the EVMWD Seismic Vulnerability Study for Water and Wastewater Facilities, dated March 19th, 2020. This separate analysis identifies seismic hazard information, provided an assessment of seismic resilience of the water system, and made recommendations necessary for development of an Emergency Response Plan. The RRA, ERP, and Seismic Vulnerability Study all contain confidential information related to infrastructure risk and response measures, and therefore is used as an internal document only and located at EVMWD.

1.4.6 Seismic Risk Assessment and Mitigation Plan

Disasters such as earthquakes can and will occur without notice. In addition to the AWIA RRA and ERP, which specifically address seismic risk and mitigation plans, EVMWD has developed a more detailed seismic risk assessment and mitigation plan. This document is also a confidential document and, therefore, is for EVMWD staff use only.

1.4.7 Shortage Response Action Effectiveness

Measuring reductions in water use is part of regular procedures, whether during normal or water shortage conditions. Water is produced and introduced into the distribution system in response to customer demand and is tracked monthly as an indicator of overall demand. EVMWD's billing system provides standardized reports on monthly metered sales by bill code, as well as customized reports for specific areas of analysis.

During water shortage conditions, savings are measured in comparison to normal year demand (i.e., current customer base with approximately average rainfall) or in reference to a specific base year as may

be dictated by statewide requirements. Estimates of the effectiveness for the response actions are included in **Table A-4**. In general, the effectiveness of each reduction action can vary significantly. It is also difficult to assess the effectiveness of each activity separately because EVMWD implements several activities at once. For the WSCP implementation, it is assumed that the upper end of the gap reduction is based on the use of multiple demand-reduction actions in a stage. For example, if all shortage level Stage 1 actions by EVMWD were implemented, a 5% reduction or higher in the shortage gap would be estimated. However, this estimate could be higher based on local conditions and public outreach.

Reduction in the shortage gap for Stages 2–5 assume all measures in the previous stage(s) are implemented and those savings are counted toward the total reduction in the shortage gap. For example, in WSCP Stage 4, EVMWD may limit irrigation to specific days, and this measure, along with all demand management measures in Stages 1, 2, and 3, is estimated to reduce the shortage gap by 25% to 40%.

1.5 Communication Protocols

This section is presented in accordance with CWC Section 10632(a)(5) and describes the communication protocols and procedures to inform customers, the public, and state and local officials of any current or predicted water shortages.

EVMWD's outreach strategy is based on the specific circumstance and water shortage stage to ensure customers are notified in the most effective way possible. EVMWD will notify its customers about upcoming shortages, response actions, penalties, and /or WSCP amendments. Typically, EVMWD notifies customers through a variety of methods, such as by telephone, email and e-blasts; inserts with utility bills and mailings; postings at EVMWD offices and facilities; flyers; "door hangers"; social media; billboard messaging; partnerships with neighboring agencies; the EVMWD app; and other means (Civiltec for Elsinore Valley Municipal Water District, 2018). EVMWD can also use other communication methods, such as press releases, publication in homeowner association newsletters, city publications, chamber newsletters, radio announcements, and robo-calls as necessary. All customers must ensure that EVMWD has current telephone and email contact information. At its discretion, the Board or its authorized designee can also notify agencies or organizations it believes may be affected.

1.6 Compliance and Enforcement

This section is structured in accordance with CWC Section 10632(a)(6) and describes the compliance and enforcement provisions. EVMWD's water shortage ordinance includes customer penalties for noncompliance in **Section 13 of Ordinance 225**, which is included in **Attachment 1**. These penalties include warnings, fines, flow restrictions, and, finally, water service shutoffs. Penalties and charges are imposed for violations during mandatory water reductions. The penalty surcharges vary for each stage of mandatory water reduction.

The consequences for violating the water use prohibitions are summarized below.

First violation: notice of noncompliance. EVMWD is authorized and directed to issue a written warning notice for the first time a user has failed or refused to comply with the water shortage ordinance.

Second violation: final written notice. For a second violation within 12 months of the first violation, EVMWD shall issue a final written notice to the second-time offender with additional information such as the required compliance and potential fines and/or penalties for noncompliance.

Third, Fourth, and Fifth Violations: fine, flow restriction, or water service shutoff. For the third, fourth, and fifth violations within a 12-month period, a monetary penalty for each day a person violates the ordinance will be applied. During Stages 1 and 2, the penalty is \$100 per day for the third, fourth, and fifth violation. During Stages 3, 4, and 5, the penalty is \$200, \$400, and \$500 per day for the third, fourth, and fifth violation, respectively.

Sixth and subsequent violations: flow restriction or water service shutoff. If the customer has failed or refused to comply with the notice of noncompliance, the General Manager has the authority to provide flow-restricting devices at the customer's meter. If installing a flow-restricted device is infeasible or impractical, the General Manager can authorize a shutoff. Any restriction or terminated service may be restored in accordance with the District's applicable rules and regulations once the person shows they are in compliance with Ordinance 225.

1.7 Legal Authorities

EVMWD obtains the legal authority to declare a water shortage and implement the actions outlined in this WSCP through Ordinance 225. A water shortage emergency is to be officially declared through an adopted resolution. Ordinance 225 provides EVMWD with the authority to restrict water use and prohibit water waste for all uses that are not necessary to sustain public health, sanitation, and fire protection. Specifically, Ordinance 225 provides EVMWD with the authority to implement supply-shortage response measures and prevent unreasonable use of water (Elsinore Valley Municipal Water District, 2015). Ordinance 225 will continue to serve as the legal authority for EVMWD and this WSCP.

In the event that this WSCP is updated and the shortage response stages or response actions are revised, Ordinance 225 may be updated to reflect the contents of the updated WSCP.

EVMWD shall coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency, as defined in Section 8558 of the Government Code.

When a WSCP Stage 2 or greater is implemented, EVMWD will inform the following cities and counties:

- City of Canyon Lake
- City of Corona
- City of Lake Elsinore
- City of Murrieta
- City of Wildomar
- Farm Mutual Water Company
- Riverside County Planning Department

1.8 Financial Consequences of WSCP

This section is structured in accordance with CWC Section 10632(a)(6) and describes the financial consequences of implementing the WSCP and potential mitigation strategies. To ensure EVMWD customers comply with Ordinance 225 and CWC Chapter 3.3 (Excessive Residential Water Use During Drought), additional costs will be incurred to monitor and enforce response actions. The incurred cost may vary depending on the shortage stage and duration of the water shortage emergency.

A reduction in the amount of water consumed will lead to a reduction in revenue and expenses for EVMWD. These reductions could impact EVMWD's ability to finance its operations during periods of water shortages. Revenue reductions are calculated in the EVMWD Drought Surcharge Study completed in July 2015 and included in **Attachment 2**. Details on the Drought Surcharge Study are discussed below. Additionally, expenditures by EVMWD are also expected to decrease in the event of a water shortage. Reductions are expected in water purchases, groundwater pumping expenses, and booster pumping expenses.

Table A-5 presents a summary of projected net revenue impact by stage, as well as the revenue reductions for that stage, as calculated in 2015. It should be noted that EVMWD has the option of adjusting water rates during shortages to minimize or offset revenue reductions, subject to California Proposition 218 (Prop 218) requirements. As mentioned above, Stages 3, 4, and 5 are further broken down into substages (3a, 3b, and so forth) to allow greater flexibility when implementing response actions.

Table A-5. Percent Revenue Reduction Due to Water Shortage

DROUGHT STAGE	REQUIRED SALES REDUCTION	NET REVENUE IMPACT	PERCENT REVENUE REDUCTION
-	0%	\$0	
-	5%	\$2,173,216	7%
3a	10%	\$3,992,768	12%
3b	15%	\$5,054,268	15%
3c	20%	\$5,841,118	18%
4a	25%	\$6,450,847	19%
4b	30%	\$7,168,480	22%
4c	35%	\$7,733,727	23%
5a	40%	\$8,336,119	25%
5b	45%	\$9,031,350	27%
5c	50%	\$9,907,389	30%

Values obtained from Tables 2–8 in EVMWD Drought Surcharge Report (Attachment 2) (Rafaelis Financial Consultants, Inc. for Elsinore Valley Municipal Water District, 2015)

Methods of compensating for the reduced revenue include penalties for excess water use and rate increases for customers. Penalties for excess water use encourage conservation, in turn, further reducing revenue from water sales, but penalties generally only provide a small amount of revenue. If the water shortage is deemed temporary, a rate increase may not be required.

For long-term shortages, immediate rate increases may be considered. A consequence of rate increases may be further conservation by customers. EVMWD would not change fixed, domestic monthly service charges during a water shortage, because these charges provide revenue for operational expenditures.

EVMWD may also elect to use financial reserves. Although possible, this is not ideal, because it may delay funds designated for capital improvement costs and affect budgets for typical operation and maintenance efforts.

1.8.1 Drought Surcharge Study

EVMWD conducted a study to evaluate drought surcharges in July 2015 (**Attachment 2**). Drought surcharges are an attempt to reduce the negative financial effects of water shortages and reduced customer revenue during drought conditions. The drought surcharges add an additional rate to the base volumetric water-use rate once customers enter into an inefficient or excessive use tier. The rate structure comprises two components: a fixed monthly service charge (“meter charge”) and a variable volumetric water-consumption charge (“water use charge”).

The rates for the fixed monthly meter charge are established on the basis of the size of the water meter serving a property and are calculated to recover a portion of EVMWD’s fixed costs, such as water meter repairs and replacements, meter reading, billing, and customer service. The rates of the variable water-

use charge are based on the number of units of water delivered to a property and consist of four tiers that impose higher rates as the level of water use increases. Each residential, irrigation, and recycled-water customer is allocated a reasonable amount of water on the basis of the customer’s particular needs.

The four tiers are:

- 1. Indoor use
- 2. Outdoor use
- 3. Inefficient use
- 4. Excessive use

1.8.2 Water Budgets

EVMWD also uses a simplified rate structure based on water budgets to account for the statewide indoor residential standard of 55 gallons of water per person per day. Households will receive a water budget for outdoor use based on the irrigated square footage of the property. Above that water budget, inefficient and excessive water use will cost customers more because it costs EVMWD more to secure this additional water supply. Because customers have control over the amount of water they use, these budgeted water rates allow customers to be charged according to the water they use. Customers that use too much water and enter the inefficient or excessive water use tiers will be charged a penalty depending on the shortage stage. Penalties for each shortage stage are summarized in **Table A-6**.

Table A-6. Drought Penalties

DROUGHT STAGE	PENALTY FOR ENTERING INEFFICIENT OR EXCESSIVE USE TIER ¹
1	\$0.00
2	\$0.00
3	\$1.59 per CCF
4	\$2.09 per CCF
5	\$4.01 per CCF

¹ Surcharges may be applied in Stages 3–5 when customers enter inefficient or excessive use tiers.

1.9 Monitoring and Reporting

This section is presented in accordance with CWC Section 10632(a)(9) and describes the reporting requirements and monitoring procedures to implement the WSCP and track and evaluate the response actions effectiveness. EVMWD is required to submit the Urban Water Supplier Monthly Water Conservation Report, pursuant to Resolution No. 2020-0009, which became effective on October 1, 2020. In general, EVMWD reports the WSCP shortage stage, the total potable water production, the 2013 same-month production, demand for several water uses, enforcement actions, compliance issues, and response actions. An example of the monthly report is shown in **Attachment 3**. EVMWD will continue to report this information and will integrate this process in its WSCP annual assessment process.

The water savings from implementation of the WSCP will be determined on the basis of monthly production reports, which will be compared with the supply from prior months, the same period of the prior year, and/ or the allocation. At first, the cumulative consumption for the various sectors (e.g., residential, commercial) will be evaluated for reaching the target demand-reduction level. Then, if needed, individual accounts will be monitored. Weather and other possible influences may be accounted for in the evaluation.

1.10 WSCP Refinement Procedures

This section is consistent with CWC Section 10632 (a)(10). The WSCP is best prepared and implemented as an adaptive management plan. EVMWD will use results obtained from the monitoring and reporting program to evaluate any needs for revisions. Potential changes to the WSCP that would warrant an update include, but are not limited to, any changes to shortage-level triggers, changes to the shortage stage structure, and/or changes to the response actions.

Any prospective changes to the WSCP would need to be presented at a public hearing where EVMWD staff would obtain any comments, revise if necessary, and adopt the updated WSCP. The steps to formally amend the WSCP are discussed in **Section 1.12**.

Potential refinements will be documented and integrated in the next WSCP update. If additional response actions are identified by staff or the public, these could be advertised as voluntary actions until these are formally added to the WSCP and adopted as mandatory restrictions in a future update.

1.11 Special Water Feature Distinction

The CWC Section 10623 (b) requires that suppliers 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. Non-pool or non-spa water features may use or be able to use recycled water, whereas pools and spas must use potable water for health and safety considerations, so limitations to pools and spas may require different considerations compared with non-pool or non-spa water features. EVMWD prohibits the operation of any exterior ornamental fountain or similar structure once a **Stage 3** water shortage is in effect. An exterior ornamental fountain is a decorative water feature and does not include recreational water features, such as swimming pools. Golf-course water hazards that are not part of an integral part of the permanent irrigation or fire protection system, fountains, and other waterscape features are not to be filled or replenished during **Stage 3**.

1.12 Plan Adoption, Submittal, and Availability

The WSCP is a standalone document that can be updated as needed. **Table A-7** describes the general steps to adopt and submit an updated or amended WSCP, consistent with CWC Section 10632(a)(c).

This 2020 WSCP was presented for adoption to EVMWD's Board at the June 10, 2021, public Board meeting. Notifications of the public board meeting were sent to various local and regional agencies 60 days ahead of the meeting. EVMWD also published two notices in the local newspaper two weeks prior to the meeting date. Copies of the 60-day notices and public-hearing newspaper notices are provided in **Attachment 4**. The WSCP was also made available two weeks prior to the public Board meeting to provide ample opportunity for review.

The WSCP was formally adopted on June 10, 2021, by EVMWD's Board through **Resolution 21-06-03**, included in **Attachment 5**. After formal adoption, the WSCP was made available to all staff, customers, and any affected cities, counties, and other members of the public at the EVMWD office and online within 30 days of the adoption date.

The WSCP was submitted to DWR via the Water Use Efficiency (WUE) Data Portal in conjunction with the 2020 UWMP no later than July 1, 2021. Hard copies of the 2020 UWMP and WSCP were submitted to the California State Library within 30 days of adoption. Electronic and/or hard copies were provided to all cities and counties within EVMWD's service area within 30 days of adoption.

Table A-7. Steps to Adopt, Submit, and Implement the WSCP

STEP	TASK	DESCRIPTION	TIMEFRAME
1	Notice to Cities and Counties	<p>Notify cities and counties within the service area that the WSCP is being updated. It is recommended that the notice includes:</p> <ul style="list-style-type: none"> • Time and place of public hearing • Location of the draft Plan, latest revision schedule, and contact information of the Plan preparer 	<p>At least 60 days before public hearing.</p> <p>If desired, advance notices can be issued without providing time and place of public hearing.</p>
2	Publish Plan	Publish the draft WSCP in advance of public hearing.	At least 2 weeks before public hearing.
3	Notice to the Public	<p>Publish two notifications of the public hearing in a local newspaper notice at least once a week for two consecutive weeks, with at least 5 days between publications. This notice must include:</p> <ul style="list-style-type: none"> • Time and place of hearing • Location of the draft WSCP 	<p>At least 2 weeks before public hearing.</p> <p>*Include a copy of public notices in plan.</p>
4	Public Hearing and Optional Adoption	<p>Host at least one public hearing before adopting the WSCP to:</p> <ul style="list-style-type: none"> • Allow for community input • Consider the economic impacts for complying with the Plan 	<p>Public hearing date</p> <p>Note: Adoption can be combined as long as public hearing is on the agenda before adoption.</p>
5	Adoption	Before submitting the WSCP to DWR, EVMWD’s Board must formally adopt the WSCP. An adoption resolution must be included, as an attachment or as a web address indicating where the adoption resolution can be found online.	<p>At public hearing or at a later meeting.</p> <p>*The WSCP can be adopted as prepared or as modified after the hearing.</p>
6	Plan Submittal	Submit the adopted or amended WSCP via the WUE Data Portal within 30 days of adoption or by July 1, if updated with the UWMP five-year cycle.	Within 30 days of adoption or by July 1 st , whichever comes first.
7	Plan Availability	<p>Submit an electronic or hard copy of the adopted WSCP to the California State Library within 30 days of adoption. If submitting a hard copy, the WSCP must be mailed to:</p> <p>California State Library Government Publications Section Attention: Coordinator, Urban Water Management Plans P.O. Box 942837 Sacramento, CA 94237-0001</p> <p>Provide a copy (hardcopy or electronic) of the adopted WSCP to any cities and counties within the service area.</p> <p>Make the WSCP available to the public by posting to EVMWD’s website or by hard copy at the EVMWD office for public review during normal business hours.</p>	Within 30 days after adoption.

1.13 Resources and References

State of California Department of Water Resources. (2021). *Urban Water Management Plan Guidebook 2020*. Sacramento: California Department of Water Resources.

Civiltec for Elsinore Valley Municipal Water District. (2018). *Drought Contingency Plan*. Lake Elsinore: Elsinore Valley Municipal Water District.

Elsinore Valley Municipal Water District. (2015). *Ordinance No. 225*. Elsinore Valley Municipal Water District.

Elsinore Valley Municipal Water District and Water Systems Optimization. (2020). *System Optimization Review Plan*. Lake Elsinore: Elsinore Valley Municipal Water District.

Raftelis Financial Consultants, Inc. for Elsinore Valley Municipal Water District. (2015). *Elsinore Valley Municipal Water District Drought Surcharge Study*. Lake Elsinore: Elsinore Valley Municipal Water District.

WSC. (2021). *EVMWD 2020 UWMP*.

Attachment 1: EVMWD's Ordinance 225

ORDINANCE NO. 225

AN ORDINANCE OF THE ELSINORE VALLEY MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY UPDATING AND RESTATING THE DISTRICT'S WATER SHORTAGE CONTINGENCY PLAN / WATER CONSERVATION PROGRAM

WHEREAS, California Constitution article X, section 2, and California Water Code section 100 provide that, because of conditions prevailing in the State of California ("State"), it is the declared policy of the State that the general welfare requires that the water resources of the State shall be put to beneficial use to the fullest extent of which they are capable; the waste or unreasonable use of water shall be prevented; and the conservation of such waters is to be exercised with a view to the reasonable and beneficial use thereof in the interest of the people and the public welfare; and

WHEREAS, pursuant to California Water Code section 106, it is the declared policy of the State that the use of water for domestic use is the highest use of water and that the next highest use is for irrigation; and

WHEREAS, pursuant to California Water Code section 375 et seq., the Elsinore Valley Municipal Water District ("District"), by ordinance or resolution, is authorized to adopt and enforce a Water Conservation Program to reduce the quantity of water used by persons within its jurisdiction for the purpose of conserving the water supplies of the District; and

WHEREAS, pursuant to California Water Code section 10610 et seq., the District is required to include a water shortage contingency analysis establishing various stages of action to be implemented in cases of water supply shortage, known as a Water Shortage Contingency Plan, as part of the District's Urban Water Management Plan; and

WHEREAS, pursuant to California Water Code section 71610.5, the District may undertake a water conservation program to reduce water use and may require, as a condition of new service, that reasonable water-saving devices and water reclamation devices be installed to reduce water use; and

WHEREAS, pursuant to California Water Code section 71640 et seq., the District may restrict the use of District water during any emergency caused by drought, or other threatened or existing water shortage, and may prohibit the waste of District water or the use of District water during such periods for any purpose other than those that the District determines to be necessary. The District may also prohibit use of District water during such periods for specific uses which it finds to be nonessential.

WHEREAS the District's Board of Directors recognizes continued long term challenges to the region and the State. Climate change impacts are predicted to increase the uncertainty of water supplies. Additionally, regulatory restrictions on pumping from the Bay-Delta region affecting State Water Project ("SWP") deliveries will continue to impact the District's supply reliability. Further, the District is dependent on the Metropolitan Water District of Southern California ("Metropolitan") for its imported water supplies and is subject to the policy actions pertaining to water supply set by Metropolitan's governing body. The District relies heavily on SWP supplies, obtaining approximately up to 70 percent of its total supply through imported water sources from Metropolitan; and

WHEREAS, Metropolitan has adopted a Water Shortage Allocation Plan and has declared a regional supply shortage reduction of fifteen percent (15%) which will be in effect on July 1, 2015; and

WHEREAS, because of the prevailing conditions in the State and the declared policy of the State that the District manage its water resources for the general welfare to ensure their beneficial use to the fullest extent of which they are capable, the District hereby finds and determines that it is necessary and appropriate for the District to adopt, implement, and enforce an updated Water Shortage Contingency Plan / Water Conservation Program (together, the "WSCP") to reduce the quantity of water used by consumers within the District to ensure that there is sufficient water for human consumption, sanitation, and fire protection; and

WHEREAS, the Governor, on April 1, 2015 issued Executive Order B-29-15 that, in part, directed the State Water Resources Control Board ("SWRCB") to

impose restrictions on water suppliers to achieve a statewide 25 percent (25%) reduction in potable urban usage through February 2016. The Executive Order includes, but is not limited to, the following: (1) commercial, industrial, and institutional water users shall implement water efficiency measures; (2) prohibits irrigation with potable water of ornamental turf in public street medians; and (3) prohibits irrigation with potable water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development; and

WHEREAS, the SWRCB, on May 5, 2015 mandated that urban water suppliers whose average July-September 2014 Residential Gallons Per Capita Per Day ("R-GPCD") was 130 or more but less than 170 shall reduce its total potable water production by twenty-eight percent (28%) for each month as compared to the amount of use in the same month in 2013; and

WHEREAS, the District's average R-GPCD was 146.3 for July-September 2014; and

WHEREAS, the Board of Directors hereby finds and determines that in the event the District determines that it is necessary to declare that a Water Shortage Emergency exists, the District will be authorized pursuant to this Ordinance to implement supply shortage response measures to regulate water consumption activities within the District and ensure that the water delivered in the District is put to beneficial use for the greatest public benefit, with particular regard to domestic use, including human consumption, sanitation, and fire protection, and that the waste or unreasonable use of water is prevented; and

WHEREAS, the Board of Directors is authorized and hereby finds and determines that it is necessary to prescribe and define by ordinance restrictions, prohibitions, and exclusions for the use of water during a threatened or existing water shortage and adopt and enforce a WSCP to: (i) prohibit the waste of District water or the use of District water during such period; (ii) prohibit use of water during such periods for specific uses which the District may from time to

time find nonessential; and (iii) reduce and restrict the quantity of water used by persons within the District; and

WHEREAS, the Board of Directors hereby finds and determines that the District shall: (i) implement water supply shortage response measures; (ii) regulate the water consumption activities of persons within the District for the purposes of conserving and protecting the District's water supplies, reducing the quantity of water consumed, and deterring and preventing the waste or unreasonable use or unreasonable method of use of valuable water resources; and (iii) establish and collect regulatory fees and impose fines and/or penalties as set forth herein to accomplish these purposes and recover the costs of the District's water conservation and regulatory program; and

WHEREAS, the Board of Directors hereby finds and determines that it is desirable to adopt this WSCP in order to codify the rules and regulations governing its actions, and the actions of persons using and consuming water within the District, particularly during declared water shortages and water shortage emergencies, to protect the general welfare and the District's water supplies, and to reduce water consumption, all in accordance with the declared policies and laws of the State; and

WHEREAS, the Board of Directors hereby further finds and determines that this Ordinance and the WSCP set forth herein are in the public interest and serve the public purpose of the District; and

WHEREAS, at a public hearing held on May 28, 2015, the Board heard and considered all oral testimony, written materials, and written protests concerning the establishment of and imposition of the proposed WSCP; and

WHEREAS, due to the fiscal impacts referenced above, the Board has determined that it is in the best interests of the District to adopt the proposed WSCP identified herein and as more particularly described and set forth herein; and

NOW, THEREFORE, BE IT ORDAINED by the Board of Directors of the Elsinore Valley Municipal Water District of Riverside County as follows:

Section 1. Recitals

The Board of Directors hereby finds and determines that the above recitals are true and correct and incorporated herein.

Section 2. Findings and Intent

(A) The Board of Directors finds and determines that because of the prevailing conditions in the State, and the declared policy of the State, it is necessary and appropriate for the District to adopt, implement, and enforce this WSCP to reduce the quantity of water used by persons within the District to ensure that there is sufficient water for human consumption, sanitation, and fire protection. The District further finds and determines that, during periods of drought, water shortages, and water shortage emergencies the general welfare requires that the District maximize the beneficial use of its available water resources to the extent that it is capable, and that the waste or unreasonable use, or unreasonable method of use of water shall be prevented and the conservation of water is to be extended with the view to the reasonable and beneficial use thereof in the interests of the people of the District and for the public health, safety, and welfare.

(B) This Ordinance adopts the WSCP, which establishes water waste restrictions, supply shortage response measures, regulations, and administrative fines and/or penalties to be implemented during declared water supply shortage stages.

(C) This Ordinance adopts the WSCP which establishes five (5) water supply shortage stages and supply shortage response measures to be implemented by the District, with increasing restrictions on water use and administrative fines and/or penalties for water waste in response to decreasing water supplies and/or worsening drought conditions.

(D) The implementation of water supply shortage stages may be triggered by, without limitation, any or all of the following circumstances or events:

- (1) A regional water supply shortage exists;

(2) Delivery infrastructure such as storage reservoirs, pipes, pumps, filtration devices or groundwater wells, is inoperable or unusable (such as by power outages, mechanical failure, or contamination);

(3) Alternative water supplies are limited or unavailable;

(4) Groundwater levels or groundwater quality is approaching levels which may require augmentation of the groundwater basin or other actions necessary to protect the groundwater basin, as prescribed by the California Department of Water Resources, the Regional Water Quality Control Board, Riverside County, or some other regulatory body;

(5) Metropolitan's Water Surplus and Drought Management Plan stages and the Metropolitan Water Supply Allocation Plan stages and corresponding actions have been implemented; or

(6) An executive order from the Governor.

Section 3. Purpose and Scope

(A) The purposes of the provisions of this Ordinance and WSCP are to assure the highest beneficial use of District water supplies and to provide sufficient water supplies to meet the basic needs of human consumption, sanitation, and fire protection within the District's direct retail service area.

(B) This Ordinance is not intended to repeal, abrogate, annul, impair or in any way interfere with the free use of property by covenant, deed, or other private agreement or with restrictive covenants running with the land to which the District provides water services.

(C) The provisions of this Ordinance shall apply to all persons within the District's direct retail service area and all property served in a retail capacity by the District wherever situated.

(D) Nothing in this Ordinance is intended to affect or limit the ability of the District to respond to an emergency, including an emergency that affects the ability of the District to supply water.

Section 4. Definitions

For the purposes of this Ordinance, the following words, terms, and phrases shall have the following meanings:

“Appellant” means the Person appealing a decision of the Approving Authority, General Manager or other District official.

“Approving Authority” means the General Manager of the District, or his or her designee, charged with approving or denying written applications for Relief.

“Board of Directors” means the Board of Directors of the District.

“District” means the Elsinore Valley Municipal Water District.

“Enforcement Officer” means any individual employed or otherwise charged by the District to inspect or enforce codes, ordinances, mandates, regulations, resolutions, rules or other laws adopted by the Board of Directors or other regulatory bodies.

“General Manager” means the General Manager of the District or his or her authorized designee.

“Immediate Emergency” means a breakage or failure of a dam, pump, pipeline or conduit, a disaster or other disruption of the District’s water supply.

“Medical Adjustment” means an adjustment to the residential indoor water allocation based on medical needs. Medical adjustments must be approved by the District and are not subject to mandatory residential indoor water allocation reductions in any stage. The District will consider a request for medical adjustment at any time and at any stage. The adjustment shall be removed with any changes to the account holder.

“Metropolitan” means the Metropolitan Water District of Southern California.

“Non-Potable Water” means water that is not of drinking water quality, but which may still be used for purposes other than for human consumption.

“Person” means any natural person, firm, joint venture, joint stock company, partnership, public or private association, club, company, corporation, business trust, organization, public or private agency, government agency or institution, school district, college, university, any other user of water provided by the District, or the manager, lessee, agent, servant, officer or employee of any of them or any other entity which is recognized by law as the subject of rights or duties.

“Property Owner” means the owner of a parcel whose name and address appears on the last Riverside County equalized secured property tax assessment roll, or in the case of any public entity, the State of California, or the United States, means the representative of that public entity at the address of that entity known to the District.

“Recycled Water” means municipal wastewater that has been treated to meet all applicable Federal, State and local standards for use in approved applications, including, but not limited to, agricultural and landscape irrigation.

“Relief” means excuse from compliance with the regulations and restrictions on water use contained in this Ordinance.

“State” means the State of California.

“Water Budget” means a Customer’s total water billing allocation for indoor and outdoor water use. The specific indoor and outdoor allocation of water depends on the type of Customer (Customer sector) and the specific characteristics of the Customer’s site. Use in excess of the allocation is charged at incrementally higher rates.

“Water Customer” or “Customer” means any Person, firm, partnership, association, corporation, or local political entity using water obtained from the District.

“Water Shortage Emergency” means a condition existing within the District where the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation,

and fire protection. A Water Shortage Emergency includes both an Immediate Emergency, in which the District is unable to meet current water needs of persons within the District, as well as a threatened water shortage, in which the District determines that its supply cannot meet an increased future demand.

“WSCP” means the Water Shortage Contingency Plan adopted pursuant to this Ordinance.

“Water Supply Allocation Plan” or “WSAP” means the Plan developed by Metropolitan to calculate member agencies' supply allocations should a shortage be declared.

“Water Surplus and Drought Management Plan” or “WSDM Plan” means the 1999 plan that Metropolitan uses to direct its resource operations to ensure that shortage allocations of imported water supplies are not required.

Section 5. Stage Implementation

(A) The General Manager shall monitor the projected supply of and demand for water within the retail water service area of the District during periods of a water shortage or supply shortage and shall recommend to the Board of Directors the extent of the demand reduction required through the implementation and/or termination of particular water supply shortage stages or sub-stages to prudently plan and supply water to water Customers. Thereafter, the Board of Directors may order the implementation or termination of the appropriate stage or sub-stage.

(B) The declaration of any stage or sub-stage beyond Stage 1 shall be made by resolution of the Board of Directors. Within ten (10) calendar days of the adoption of the resolution declaring the applicable stage or sub-stage, the District shall make a public announcement and provide notice of the applicable water supply shortage stage. Such declaration and notice shall provide the extent, terms, and conditions as well as the associated water budget allocations and fines and/or penalties respecting the use and consumption of water in accordance with the applicable water supply shortage stage as provided in this Ordinance. Upon such declaration and publication of such notice, due and

proper notice shall be deemed to have been given to each and every Person supplied water within the District.

(C) The water supply shortage stage designated shall become effective immediately upon announcement.

(D) Except in the event of an Immediate Emergency, the declaration of a Water Shortage Emergency during any water supply shortage stage shall be made in accordance with California Water Code sections 350 et seq.

(E) Notwithstanding any other provision of this Ordinance, if an Immediate Emergency occurs and the Board of Directors cannot meet in time to act to protect the public interest, the General Manager is hereby authorized and directed to implement any necessary rules and regulations upon his or her written determination that the District cannot adequately supply water to meet the ordinary demands of water consumers, and that such implementation is necessary to protect the public health and safety.

(1) The General Manager's written determination of an Immediate Emergency shall be:

- (a) filed with the District Secretary;
- (b) posted on the District's website;
- (c) delivered to the Board of Directors; and
- (d) subsequently considered by the Board of

Directors at a general or special meeting for review, revocation, or ratification.

(2) The implementation of any rules and regulations during an Immediate Emergency shall take effect immediately upon making a posting of the determination of the Immediate Emergency on the District's website.

(3) The Board of Directors' meeting shall be held on the earliest date that a quorum of the Board of Directors is available. At the Board of Directors meeting, the General Manager shall update the Board of Directors on the severity and length of the Immediate Emergency.

Section 6. Stage 1 – Water Supply Watch

(A) Stage 1 applies during periods when the District is able to meet all of the water demands of its Customers. Stage 1 and the permanent prohibitions set forth herein shall be in effect at all times unless the Board of Directors otherwise declares that another stage is in effect pursuant to this Ordinance and such stage establishes more stringent prohibitions on the use of water during the particular stage.

Under Stage 1, Customers are encouraged to use water efficiently and take advantage of the District's water use efficiency programs. Stage 1 also mandates the implementation of several permanent water waste prohibitions, even when there is no foreseeable threat of a water shortage. Water waste is in violation of California Law at any stage. California's water law and policy, Article X, Section 2 of the California Constitution, requires that all uses of the State's water be both reasonable and beneficial and places a significant limitation on water rights by prohibiting the waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of water. The permanent prohibitions shall be continually in effect at all levels of water shortage declarations in addition to the requirements specific to each level. All normal water efficiency programs and water conservation regulations of the District will be in full force and effect during Stage 1. The permanent shortage response measures include:

(1) All irrigators shall ensure automatic irrigation timers are adjusted according to changing weather patterns and landscape requirements.

(2) All open hoses shall be equipped with automatic, positive shut-off nozzles.

(3) Watering of lawns and/or groundcovers and irrigating landscaping is permitted only between the hours of 6:00 p.m. and 6:00 a.m.

(4) Sprinklers and irrigation systems shall be adjusted to avoid overspray, runoff and waste. Watering on windy days is to be avoided.

(5) Installation of water saving devices, such as low flow shower heads and faucet aerators, is encouraged.

(6) Selection of low-water-demand shrubs, groundcovers and trees for all new landscaping is strongly encouraged.

(7) All swimming pools, spas, ponds, and fountains shall be equipped with re-circulating pumps.

(8) All plumbing leaks, improperly adjusted sprinklers, or other water conduits/fixtures that require repair or adjustment shall be corrected to the satisfaction of the District within ninety-six (96) hours of notification by the District.

(9) No Person shall use water to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved or hard surface areas, except to alleviate immediate fire or sanitation hazards, and then only by use of: a hand-held bucket or similar container; a hand-held hose equipped with an automatic, positive self-closing shut-off device, or a low volume, high-pressure cleaning machine.

(10) No Person shall allow water to leave his or her property by drainage onto adjacent properties or public or private roadways or streets due to excessive irrigation and/or uncorrected leaks.

(11) The washing of automobiles, trucks, trailers, boats, airplanes and other types of mobile equipment, is permitted at any time with a hand-held bucket or a hand-held hose equipped with an automatic, positive shut-off nozzle. Provided, however, such washing may be done at any time on the immediate premises of a commercial car wash, a commercial service station or car dealership with commercial car washing equipment, or by a licensed mobile detailing/car wash professional using low volume, high pressure washing equipment. Further, such washings are exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleanings, such as garbage trucks and vehicles used to transport food and perishables.

(12) Construction operations receiving water from a construction meter, hydrant meter, or water truck shall not use water for any purpose other than those required by regulatory agencies. Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements set forth in Section 4 hereof.

(B) The District will attempt to contact Customers by telephone, mail, email and/or printed “door-hanger” to alert of a required repair, adjustment, or violation. All Customers shall ensure that the District has current telephone and email contact information. The District is not responsible for incorrect phone numbers or email addresses.

Section 7. Stage 2 – Water Supply Alert

(A) Stage 2 applies during periods when a reasonable probability exists that the District will not be able to meet all of the water demands of its Customers. This may correlate to Metropolitan’s WSDM Plan stage of “Water Supply Watch” or “Water Supply Alert” Conditions.

(B) The objective of Stage 2 is to affect a moderate reduction in water use up to 4% through mandatory actions and may be adjusted depending on supply conditions via a Board approved Resolution.

(C) Mandatory conservation measures will be called upon during this stage. The restrictions listed in Stage I shall remain in effect with the following additions:

(1) Use of movable or permanent sprinkler systems for lawn irrigation and watering of plants, trees, shrubs or other landscaped areas shall be permitted no more than three days per week. However, irrigation of lawns, gardens, landscaped areas, trees, shrubs or other plants is permitted at any time if:

- a. A hand-held hose is used, or
- b. A hand-held bucket is used, or
- c. A drip irrigation system is used, or

d. Recycled water is used.

(i) Irrigation occurring during or 48 hours after a rain event is prohibited;

(2) Construction meters utilizing potable water shall be issued only to those persons who have been issued valid grading and/or building permits.

(3) All restaurants, cafes, and other public food service establishments are prohibited from serving drinking water unless specifically requested by their customers.

(4) Hotels, motels and other commercial lodging establishments should provide customers the option of not having towels and linens laundered daily. Commercial lodging establishments should prominently display notice of this option in each bathroom using clear and easily understood language.

(5) Customers shall install pool and spa covers to minimize water loss due to evaporation.

(6) Installation of new landscapes shall be prohibited unless irrigated with drip irrigation. Exceptions may be provided for projects with prior approval by the appropriate jurisdiction.

(7) The District shall develop a public information campaign to provide Customers with options for achieving the Stage 2 demand reduction goal. The District shall explore increased Customer incentives for conservation measures.

Section 8. Stage 3 – Mandatory Waste Reduction

(A) The intent of Stage 3 is to target and eliminate excessive water use and water waste. Stage 3 applies during periods when a reasonable probability exists that the District will not be able to meet all of the water demands of its Customers. This may correlate to Metropolitan's Shortage Allocation Plan Shortage Levels 1 through 4. The District's Board of Directors

may choose to implement a temporary drought rate and a temporary drought penalty to achieve water conservation.

(B) After a Stage 3 has been declared and the District has completed the notice requirements set forth herein, each customer who has had a potable water account with the District shall be limited to using potable water as follows:

(i) For residential customers, water use shall be limited to using a volume equal to Blocks 1 and 2 of their potable water budget per billing cycle for indoor and outdoor water use for his or her property;

(ii) For irrigation customers, water use shall be limited to using a volume equal to Block 1 of their irrigation water budget per billing cycle for outdoor water use for his or her property;

(iii) For wholesale customers, water use shall be limited to using a volume equal to Block 1 and Block 2;

(iv) Water use beyond the water volume permitted in (i), (ii) and (iii) above will be charged a civil administrative penalty of \$1.59 per CCF.

(C) The objective of the measures undertaken in Stage 3 is to reduce water system consumption within the District by five to fifteen percent (5 to 20%).

(D) Stage 3 does not apply to the use of non-potable or recycled water. The use of recycled water for daytime irrigation is permitted.

(E) Mandatory conservation measures will be called upon during this stage. The restrictions listed in Stages 1 and 2 shall remain in effect with the following additions:

(1) Stage 3 (a)

(i) Use of movable or permanent sprinkler systems for lawn irrigation and watering of plants, trees, shrubs or other landscaped areas shall be permitted no more than two days per week. However, irrigation of lawns, gardens, landscaped areas, trees, shrubs or other plants is permitted at any time if:

- a. A hand-held hose is used, or
- b. A hand-held bucket is used, or
- c. A drip irrigation system is used, or
- d. Recycled water is used.

(ii) The filling, refilling or addition of water to uncovered outdoor swimming pools, wading pools or spas is prohibited;

(iii) The operation of any exterior ornamental fountain or similar structure is prohibited;

(2) Stage 3 (b)

(i) The washing of automobiles, trucks, trailers, boats, airplanes and other types of mobile equipment, is permitted only on the immediate premises of a commercial car wash, a commercial service station or car dealership with commercial car washing equipment, or by a licensed mobile detailing/car wash professional using low volume, high pressure washing equipment. Further, such washings are exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleanings, such as garbage trucks and vehicles used to transport food and perishables;

(3) Stage 3 (c)

(i) The District shall eliminate all adjustments to existing residential Customers' outdoor Water Budgets including, but not limited to, increases for swimming pools, spas, or pond maintenance adjustments. New water using features or expanded landscapes shall not qualify for a Water Budget Variance.

(F) The District shall develop a public information campaign to provide Customers with options for achieving the Stage 3 demand reduction goal and complying with their applicable water allocation. The District shall explore increased Customer incentives for conservation measures.

Section 9. Stage 4 - Mandatory Outdoor Reductions

(A) The intent of this stage and the related sub-stages is to strategically reduce the demand for water through targeted outdoor reduction actions. Stage 4 applies during periods when the District will not be able to meet all of the water demands of its Customers. This may correlate to any of Metropolitan's WSAP Regional Shortage Levels 5 through 7. The District's Board of Directors may choose to implement a temporary drought rate and a temporary drought penalty to achieve water conservation.

(B) After a Stage 4 has been declared and the District has completed the notice requirements set forth herein, each customer who has had a potable water account with the District shall be limited to using potable water as follows:

- (i) For residential customers, water use shall be limited to using a volume equal to Block 2 of their potable water budget per billing cycle for indoor and outdoor water use for his or her property;
- (ii) For irrigation customers, water use shall be limited to using a volume equal to Block 1 of their irrigation water budget per billing cycle for outdoor water use for his or her property;
- (iii) For wholesale customers, water use shall be limited to using a volume equal to Block 1 and Block 2;
- (iv) Water use beyond the water volume permitted in (i), (ii) and (iii) above will be charged a civil administrative penalty of \$2.09 per CCF.

(C) The objective of the measures undertaken in Stage 4 is to reduce water system consumption within the District by twenty-five to forty percent (25 to 40%).

(D) Stage 4 does not apply to non-potable or recycled water. The use of recycled water for daytime irrigation is permitted.

(E) Except as otherwise provided in this Section 9, all supply shortage response measures of Stages 1 through 3 shall be in full force and effect during Stage 4.

(1) Stage 4 (a)

(i) Use of movable or permanent sprinkler systems for lawn irrigation and watering of plants, trees, shrubs or other landscaped areas shall be permitted no more than two days per week on odd/even calendar days corresponding to the last digit of a service address. However, irrigation of lawns, gardens, landscaped areas, trees, shrubs or other plants is permitted at any time if:

- a. A hand-held hose is used, or
- b. A hand-held bucket is used, or
- c. A drip irrigation system is used, or
- d. Recycled water is used.

(2) Stage 4 (b)

(i) Use of water from fire hydrants shall be limited to firefighting, related activities and/or other activities necessary to maintain the health, safety and welfare of the citizenry and shall not be used for construction uses;

(ii) No District water shall be used for construction purposes except for system pressurization and/or testing.

(3) Stage 4 (c)

(i) No new construction or hydrant meters will be issued. Potable water shall not be used for earth work, road construction purposes, dust control, compaction, or trenching jetting. Construction projects necessary to maintain the health, safety, and welfare of the public are exempt from these regulations.

(ii) If the District Board of Directors declares a Water Shortage Emergency during a Stage 4, no new potable water service

connections shall be provided, no new temporary meters or permanent meters shall be provided, and no statements of immediate ability to serve or provide potable water service (such as will serve letters, certificates, or letters of availability) shall be issued, except under the following circumstances:

- (1) a valid, unexpired building permit has been issued for the project; or
- (2) the project is necessary to protect the public's health, safety, and welfare; or
- (3) where an existing service connection exists and an existing water meter is inoperable and cannot be repaired. In such an instance, the size of the new water meter shall be the same or smaller than the water meter being replaced.

(F) The District shall develop a public information campaign to provide Customers with options for achieving the Stage 4 demand reduction goals and complying with their applicable allocation. The District may explore increased Customer incentives for conservation measures.

Section 10. Stage 5 – Mandatory Targeted Indoor /Outdoor Reductions – Catastrophic Failure or “Immediate Emergency”

(A) The intent of this stage and the related sub-stages is to substantially reduce the demand for water through indoor actions in addition to the elimination of landscape and non-essential outdoor water use. Stage 5 applies during periods when the District will not be able to meet all of the water demands of its Customers. This shortage level may correlate to Metropolitan's WSAP Regional Shortage Levels 8, 9, 10, or greater. Stage 5 may be declared during an Immediate Emergency. A Stage 5 declaration may also be accompanied by a Board Resolution declaring a Water Shortage Emergency under California Water Code sections 350 et seq. The District's Board of Directors may choose to implement a temporary drought rate and a temporary drought penalty to achieve water conservation.

(B) After a Stage 5 has been declared and the District has completed the notice requirements set forth herein, each customer who has had a potable water account with the District shall be limited to using potable water as follows:

(i) For residential customers, water use shall be limited to using a volume equal to Block 2 of their potable water budget per billing cycle for indoor and outdoor water use for his or her property;

(ii) For irrigation customers, water use shall be limited to using a volume equal to Block 1 of their irrigation water budget per billing cycle for outdoor water use for his or her property;

(iii) For wholesale customers, water use shall be limited to using a volume equal to Block 1 and Block 2;

(iv) Water use beyond the water volume permitted in (i), (ii) and (iii) above will be charged a civil administrative penalty of \$4.01 per CCF.

(C) The objective of the measures undertaken in Stage 5 is to significantly reduce water consumption within the District to protect public health, safety, and fire flow.

(D) Except as otherwise provided in this Section 10, all water supply shortage response measures of Stages 1 through 4 shall be in full force and effect during Stage 5.

(E) Stage 5 does not apply to non-potable or recycled water, although there is no guarantee of availability. The use of recycled water for daytime irrigation is permitted.

(1) Stage 5 (a)

(i) All landscape and non-essential outdoor water use for all Customers in all areas of the District's retail water service area shall be prohibited.

(2) Stage 5 (b)

(i) Except as to property for which a building permit has been heretofore issued, no new water meter(s) shall be provided, except in the following circumstances:

(1) for projects necessary to protect the public's health, safety, and welfare; or

(2) when using recycled water.

(ii) The use of water for commercial, manufacturing, or processing purposes may be further reduced in volume if it is determined to be in the best interest of the health, sanitation, and fire flow protection in the communities served by the District. This determination may be made by the Board of Directors, the General Manager or his or her authorized designee as provided for in Section 5(E).

(3) Stage 5 (c)

(i) All dedicated irrigation meters will be locked off by District personnel.

(ii) Customers with a District authorized Medical Adjustment to their Tier 1 allocation will be permitted 100 percent (100%) of their Tier 1 Water Budget.

(F) The District shall develop a public information campaign to provide Customers with options for achieving the Stage 5 demand reduction goals and complying with their allocation. The District may explore increased Customer incentives for conservation measures.

Section 11. Violations and Remedies

(A) **Criminal Violation.** It shall be unlawful for any Person to willfully violate the provisions of this Ordinance. Any violation of the provisions of this Ordinance shall be a misdemeanor, unless made an infraction by the prosecutor, subject to imprisonment in the county jail for not more than thirty (30) days or by fine not to exceed \$1,000, or by both as provided in California Water Code section 377.

(B) Cease and Desist Order. The General Manager may issue a cease and desist order directing the Property Owner, or occupant, or other Person in charge of day-to-day operations of any property, and/or any other Person responsible for a violation of this Ordinance to:

(1) immediately discontinue any prohibited use of water pursuant to this Ordinance; and

(2) immediately cease any activity not in compliance with the terms, conditions, and requirements of this Ordinance.

(C) Civil Action. In addition to any other remedies provided in this Ordinance, any violation of this Ordinance may be enforced by civil action brought by the District and the imposition of administrative fines and/or penalties. In any such action, the District may seek, and the court may grant, as appropriate, any or all of the following remedies:

(1) a temporary and/or permanent injunction;

(2) assessment of the violator for the costs of enforcement of the violation and for the reasonable costs of preparing and bringing legal action under this Ordinance; and

(3) assessments under this subsection shall be paid to the District to be used exclusively for costs associated with implementing or enforcing the water supply shortage and regulatory provisions of this Ordinance.

(D) Cumulative. All remedies provided herein shall be cumulative and not exclusive.

(E) On-going. A Person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any provision of this Ordinance is committed, continued, or permitted.

Section 1 2. Notices

(A) Any notice, notice of violation, cease and desist order, and administrative compliance order shall be served pursuant to the requirements of this Ordinance and shall:

(1) identify the provision(s) of this Ordinance and any State law, if applicable, alleged to have been violated; and

(2) state that continued noncompliance may result in civil, criminal, or administrative enforcement actions against the Person who committed the violation, or the Property Owner and/or occupant of the property where the violation occurred; and

(3) state a compliance date that must be met by the Person who committed the violation, or the Property Owner and/or occupant of the property where the violation occurred; and

(4) order remediation work, where applicable, that must be taken by the Property Owner and/or occupant of the property; and

(5) state that the recipient has a right to appeal the matter as set forth in this Ordinance; and

(6) include the address of the affected property and be addressed to the Property Owner as shown on the most recently issued equalized assessment roll, or as may otherwise appear in the current records of the District. If the order applies to a responsible party who is not the Property Owner, or if the event is not related to a specific property, the notice may be sent to the last known address of the responsible party; and

(7) be deemed served ten (10) business days after posting on the property, if the Property Owner or occupant of the affected property cannot be located after the reasonable efforts of the General Manager or his or her authorized designee.

(B) Any notice, notice of violation, cease and desist order, and administrative compliance order may be sent by regular mail. Service by regular mail is effective on the date of mailing.

(C) The notice of violation may include, where deemed applicable by the General Manager or his or her authorized designee, the following terms and conditions:

(1) specific steps or actions and time schedules for compliance as reasonably necessary to prevent future violations of this Ordinance; and

(2) any other terms, conditions, or requirements reasonably calculated to prevent continued or threatened future violations of this Ordinance, including, but not limited to, discontinuing or limiting water service.

(D) In addition to or in conjunction with the notice of violation, for a first violation of any provision of this Ordinance, within two (2) weeks of the violation:

(1) the District may provide notice to the Property Owner or occupant of the property where the violation occurred to advise such Person of:

(a) the water supply shortage stage then in effect and the provisions of this Ordinance relating thereto;

(b) water supply shortage response measures that are required and may be implemented pursuant to this Ordinance;

(c) possible consequences and actions which may be taken by the District for future violations of this Ordinance, including discontinuance of water service; and

(d) fines and/or penalties that may be imposed for the specific violation and any future violations of this Ordinance;

(E) In addition to or in conjunction with the notice of violation, for a second or any subsequent violation of this Ordinance, within two (2) weeks of the violation:

(1) the District may provide notice to the property where the violation occurred to notify the Property Owner or occupant of the property where the violation occurred to advise such Person of:

(a) the water supply shortage stage then in effect and the provisions of this Ordinance relating thereto;

(b) the water supply shortage response measures that are required and may be implemented by such Person; and

(c) possible consequences which may occur in the event of any future violations of this Ordinance;

(2) if the General Manager or his or her authorized designee deem it to be appropriate, the District may order the installation of a flow-restricting device on the service line for any Person who violates any term or provision of this Ordinance;

(3) if the General Manager or his or her authorized designee deem it to be appropriate, the District may discontinue water service at the location where the violation occurred.

(F) The District may, after one (1) written notice of violation, order that a special meter reading or readings be made in order to ascertain whether wasteful or unreasonable use of water is occurring. The District may impose a meter reading fee for each meter reading it conducts pursuant to this Ordinance.

Section 13. Administrative Compliance Order and Fines and/or Penalties

(A) Separate from, in addition to, or in combination with a notice of violation or cease and desist order, the General Manager or his or her authorized designee may issue an administrative compliance order against the Property Owner and/or occupant of the property where a violation of this Ordinance occurred and/or any other Person responsible for a violation of this Ordinance who violates any provision of this Ordinance. Issuance of a notice of violation or a cease and desist order is not a prerequisite to the issuance of an administrative compliance order. The administrative compliance order shall allege the act(s) or failure(s) to act that constitute violations of this Ordinance and shall set forth the penalty for the violation(s).

(B) The General Manager may impose the following administrative monetary fines and/or penalties, in addition to other appropriate action requirements and measures:

(i) For the first violation during any water supply shortage stage by any Person of any provision of this Ordinance, the District shall issue a written warning notice of non-compliance for any Person who violates any provisions of this Ordinance.

(ii) For a second violation during any water supply shortage stage by any Person of any provision of this Ordinance within the preceding twelve (12) calendar months, the District shall issue a final written notice to the Person which sets forth a complete copy of this Ordinance or summary document of the WSCP as well as additional information such as the required compliance and potential fines and/or penalties for noncompliance.

(iii) For a third violation during Stages 1 and 2 by any Person of any of the provisions of this Ordinance within the preceding twelve (12) calendar months, the District may impose a monetary penalty in the amount of one hundred dollars (\$100.00) per day for each day a Person violates any provision of this Ordinance. During Stages 3, 4, and 5 the District may impose a monetary penalty in the amount of two hundred dollars (\$200.00) per day for each day a Person violates any provision of this Ordinance.

(iv) For a fourth and any subsequent violation during Stages 1 and 2 by any Person of any of the provisions of this Ordinance, the District may impose a monetary penalty in the amount of one hundred dollars (\$100.00) per day for each day a Person violates any provision of this Ordinance. During Stages 3, 4, and 5 the District may impose a monetary penalty in the amount of four hundred dollars (\$400.00) per day for each day a Person violates any provision of this Ordinance.

(v) For a fifth violation during Stages 1 and 2 by any Person of any of the provisions of this Ordinance within the preceding twelve (12) calendar months, the District may impose a monetary penalty in the amount of one hundred dollars (\$100.00) per day for each day a Person violates any

provision of this Ordinance. During Stages 3, 4, and 5 the District may impose a monetary penalty in the amount of five hundred dollars (\$500.00) per day for each day a Person violates any provision of this Ordinance.

(vi) For a sixth and any subsequent violation, the District may install a flow-restricting device or terminate a Person's service in accordance with the District's applicable rules and regulations. These measures are in addition to any monetary fines and/or penalties provided for herein.

(vii) Any such restricted or terminated service may be restored in accordance with the District's applicable rules and regulations and only upon a showing that the Person is in compliance with this Ordinance. Prior to any restoration of service, the Customer shall pay all District charges for any restriction or termination of service and its restoration as provided for in the District rules governing water service, including, but not limited to payment of all past due bills and fines and/or penalties and any other amounts which may be due and owing under this Ordinance.

(viii) An amount that shall not exceed five hundred dollars (\$500.00) per day for each day on which a Person violates any provision of this Ordinance. Unless timely appealed, an administrative compliance order shall be effective and final as of the date it is issued by the General Manager.

(ix) To the extent the amounts of penalties and fines referenced in this Section are not otherwise authorized under State law, the penalties and fines assessed shall be in the amounts authorized under the Municipal Water District Law of 1911.

(C) The amount of any fines and/or penalties imposed pursuant to this Section 13 may be collected by including said amount on the Customer's water bill. The amount of any fines and/or penalties imposed pursuant to this Section 13 which have remained delinquent for a period of sixty (60) calendar days shall constitute a lien against the real property of the Person violating this Ordinance. The lien provided herein shall have no force and effect until recorded with the Riverside County Recorder and when recorded shall have the force and effect and priority of a judgment lien and continue for ten (10) years from the time

of recording unless sooner released, and shall be renewable in accordance with the provisions of sections 683.110 to 683.220, inclusive, of the California Code of Civil Procedure.

(D) All moneys collected under this Section 13 shall be deposited in a special account of the District and shall be made available for enforcement of this Ordinance and enhanced water conservation incentive programs.

(E) The District may, at its option, elect to petition the Superior Court to confirm any order establishing administrative fines and/or penalties and enter judgment in conformity therewith in accordance with the provisions of sections 1285 to 1287.6, inclusive, of the California Code of Civil Procedure.

Section 14. Over-Budget Water Use Penalties

(A) All penalty moneys collected from over-budget water use during a declared water shortage stage in excess of the applicable Tier 2 rate, shall be deposited in the existing special funding accounts designated for conservation penalty and/or supply penalty as appropriate and may be allocated to or used for any of the following as determined by the District:

1. Conservation Penalty Account:

(a) Enhanced conservation programs designed to reduce water demands;

(b) Outreach and Education Programs designed to reduce water demands, decrease water waste, or generally raise water awareness;

(c) Enforcement of any provision of this Ordinance;

2. Supply Penalty Account:

(a) Purchase, acquisition, delivery, or wheeling of additional water supplies;

(b) General operations and maintenance expenses, including those incurred as a result of reduced water sales;

(c) The difference between budgeted revenue expected from the operations and maintenance component in the water rates of Tier 1 and 2 and actual revenue received from this component;

(d) Payment of penalty expenses incurred as a result of exceeding a Metropolitan water supply allocation;

(e) Payment of any other incremental cost of service associated with providing water deliveries and/or water service during any water curtailment, water shortage emergency, or "Immediate Emergency" pursuant to Water Code sections 350 et seq.

Section 15. Recovery of Costs

(A) The General Manager shall serve an invoice for costs upon the Property Owner and/or occupant of any property, or any other responsible Person who is subject to a notice of violation, a cease and desist order, or an administrative compliance order. An invoice for costs shall be immediately due and payable to the District. If any Property Owner or Person in charge of day-to-day operations, Customer, or responsible party, or any other Person fails to either pay the invoice for costs or appeal successfully the invoice for costs in accordance with this Ordinance, then the District may institute collection proceedings. The invoice for costs may include reasonable attorneys' fees.

(B) The District shall impose any other fines and/or penalties or regulatory fees, as fixed from time to time by the Board of Directors, for a violation or enforcement of this Ordinance.

(C) In order to recover the costs of the WSCP set forth in this Ordinance, the Board of Directors may, from time to time, fix and impose regulatory fees. These regulatory fees shall not exceed the cost of the regulatory activities for which they are imposed and shall not be used for unrelated revenue purposes. The District fees and charges may include, but are not limited to fees and charges for:

(1) any visits of an Enforcement Officer or other District staff for time incurred for meter reading, follow-up visits, or the installation or removal of a flow-restricting device;

- (2) monitoring, inspection, and surveillance procedures pertaining to enforcement of this Ordinance;
- (3) enforcing compliance with any term or provision of this Ordinance;
- (4) re-initiating service at a property where service has been discontinued pursuant to this Ordinance;
- (5) processing any fees necessary to carry out the provisions of this Ordinance.

Section 16. Appeals

Any Person subject to a notice of violation, cease and desist order, or administrative compliance order may file a written appeal of such order or notice to the General Manager within thirty (30) calendar days of the date of service of the order or notice. An appeal shall be made in accordance with the following procedures:

(A) The Appellant shall complete and submit in writing a form provided by the District for such purpose and shall state in such form the grounds for his or her appeal. All appeals shall be submitted to the District Secretary within thirty (30) calendar days of the date of the notice of violation, cease and desist order, or administrative compliance order.

(B) The General Manager or his or her authorized designee shall review the appeal and any related information provided, and, if necessary, cause an investigation and report to be made concerning the request for Relief. The General Manager or his or her authorized designee shall have fifteen (15) calendar days from the submission of the appeal to render a decision on whether to grant the appeal and mail notice thereof to the Appellant. If the General Manager or his or her authorized designee grants the appeal, then within fifteen (15) calendar days of such determination the General Manager or his or her authorized designee shall give written notice thereof to the Appellant.

(C) The decision of the General Manager or his or her authorized designee may be appealed by the Appellant to the Board of Directors.

Such appeal must be submitted in writing and filed with the District Secretary within fifteen (15) calendar days of the date of decision of the General Manager or his or her authorized designee. The Board of Directors shall conduct a hearing on such appeal at its next regularly scheduled Board of Directors meeting; provided, however, the Board of Directors shall have received the notice of appeal at least fifteen (15) calendar days prior to such meeting. If the appeal is not submitted within at least fifteen (15) calendar days prior to a regularly scheduled Board of Directors meeting, then the Hearing shall be held at the following regularly scheduled meeting of the Board of Directors. A notice of the Hearing shall be mailed to the Appellant at least ten (10) calendar days before the date fixed for the Hearing. The Board of Directors shall review the appeal de novo. The determination of the Board of Directors shall be conclusive and shall constitute a final order. Notice of the determination by the Board of Directors shall be mailed to the Appellant within ten (10) calendar days of such determination and shall indicate whether the appeal has been granted in whole or in part and set forth the terms and conditions of the appeal, if any, granted to the Appellant. If the appeal is denied, the Appellant shall comply with all terms and conditions of this Ordinance and the applicable stage then in effect.

(D) After an Appeal Request form has been received, a site survey may be required by the District. The site survey will be at no charge to the person and will require the person who submitted the Appeal request form to be present.

(E) Until the conclusion of the appeal process, all provisions and decisions under appeal shall remain in full force and effect until the conclusion of the appeal process.

Section 17. Variances

The District may, in writing, grant a temporary variance from any fines, Allocation Surcharges and monetary assessments, or restrictions imposed by the WSCP 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 under the following conditions:

(A) Compliance with the WSCP cannot be technically accomplished during the duration of a water supply shortage or other condition for which the WSCP Shortage Stage is in effect

(B) Alternative methods or technology used as part of a District-sanctioned trial or test study can be implemented which will achieve the same level or reduction in water use.

(C) Doctor-approved health circumstances, illness or injury will be considered on a case-by-case basis.

(D) No variances will be issued, beginning in Shortage Stage 3c of the WSCP, for filling swimming pools, leaks not repaired within 14 days or having large livestock animals.

(E) Additional 55 gallons per day (gpd) for each additional person. Documentation of additional residents must be submitted with application if the property will have more than 6 full-time residents. This may be children's birth certificates, school records, copies of income tax returns, lease agreements, etc. Type of documentation provided for this variance will be verified and notated on the variance form. After verification is complete, documentation provided will be destroyed.

(F) Variances will be considered for landscape adjustments within a 60 day grace period after the WSCP adoption.

(G) Variances will be considered for health and safety issue only in Shortage Stages 4 and 5.

(H) A written variance shall be accepted by the District, and may be denied at the sole discretion of the District.

(I) All variances must be requested in writing any time after the WSCP stage implementation. The following must be provided:

1. Name, contact phone number, service address and customer account number of petitioner;

2. Purpose of water use (e.g., domestic, commercial, agriculture);
3. Specific provision(s) of the WSCP from which the petitioner is requesting relief;
4. Detailed statement as to how the provision of the WSCP adversely affects the petitioner or what damage or harm will occur;
5. Description of the relief requested;
6. Period of time for which the variance is sought; and
7. Any alternative water use restrictions (e.g. indoor use) that the petitioner is taking or proposes to take to meet the intent of the WSCP.

Section 18. Relief From Compliance

Consideration of written applications for Relief from compliance regarding the regulations and restrictions on water use set forth in this Ordinance may be made by the District.

(A) Written applications for Relief shall be accepted, and may be granted or denied, by the Approving Authority, at his or her sole discretion, or by his or her designee at his or her sole discretion. The application shall be in a form prescribed by the District and shall be accompanied by a non-refundable processing fee in an amount as determined by the Board of Directors for the purpose of defraying the costs incidental to the proceedings.

(B) The grounds for granting or conditionally granting Relief are:

(1) due to unique circumstances, a specific requirement of this Ordinance would result in undue hardship to a Person using District water or to property upon which District water is used, that is disproportionate to the impacts to other District water users generally or to similar property or classes of water users; or

(2) failure to grant Relief would adversely affect the health, sanitation, fire protection, or safety of the applicant or the public.

(C) The application for Relief shall be accompanied, as appropriate, with photographs, maps, drawings, and other information substantiating the applicant's request, including a statement of the applicant.

(D) An application for Relief shall be denied unless the Approving Authority finds, based on the information provided in the application, supporting documentation, or such other additional information as may be requested, and on water use information for the property as shown by the records of the District, all of the following:

(1) That the Relief does not constitute a grant of special privilege inconsistent with the limitations upon other District Customers;

(2) That because of special circumstances applicable to the property or its use, the strict application of this Ordinance would have a disproportionate impact on: (a) the property or use that exceeds Customers generally; or (b) the applicant's health that exceeds Customers generally;

(3) That the authorization of such Relief will not be of substantial detriment to adjacent properties, will not materially affect the ability of the District to effectuate the purposes of this Ordinance, and will not be detrimental to the public interest; and

(4) That the condition or situation of: (a) the subject property or the intended use of the property for which the Relief is sought is not common, recurrent, or general in nature; or (b) the applicant's health or safety is not common, recurrent, or general in nature.

(E) The denial or grant of a Relief shall be acted upon within fifteen (15) business days of the submittal of the complete application, including any photographs, maps, drawings, and other information substantiating the applicant's request and the statement of the applicant. The application may be approved, conditionally approved, or denied. The decision of the Approving Authority shall be prepared in writing, include terms and conditions, if any, and promptly sent to the applicant.

(F) The denial of a request for Relief may be appealed in writing to the General Manager. An appeal shall be made in accordance with the following procedures:

(1) The Appellant shall complete and submit in writing a form provided by the District for such purpose and shall state in such form the grounds for his or her appeal. All appeals shall be submitted to the District Secretary within thirty (30) calendar days of the date of the notice of the denial of the request for Relief.

(2) The General Manager or his or her authorized designee shall review the appeal and any related information provided, and, if necessary, cause an investigation and report to be made concerning the request for Relief. The General Manager or his or her authorized designee shall have fifteen (15) calendar days from the submission of the appeal to render a decision on whether to grant the appeal and mail notice thereof to the Appellant. If the General Manager or his or her authorized designee grants the appeal and determines that the request for Relief shall be granted, then within fifteen (15) calendar days of such determination the General Manager or his or her authorized designee shall give written notice thereof to the Appellant.

(3) The decision of the General Manager or his or her authorized designee may be appealed by the Appellant to the Board of Directors. Such appeal must be submitted in writing and filed with the District Secretary within fifteen (15) calendar days of the date of decision of the General Manager or his or her authorized designee. The Board of Directors shall conduct a hearing on such appeal at its next regularly scheduled Board of Directors meeting; provided, however, the Board of Directors shall have received the notice of appeal at least fifteen (15) calendar days prior to such meeting. If the appeal is not submitted within at least fifteen (15) calendar days prior to a regularly scheduled Board of Directors meeting, then the Hearing shall be held at the following regularly scheduled meeting of the Board of Directors. A notice of the Hearing shall be mailed to the Appellant at least ten (10) calendar days before the date fixed for the Hearing. The Board of Directors shall review the appeal de

novo. The determination of the Board of Directors shall be conclusive and shall constitute a final order. Notice of the determination by the Board of Directors shall be mailed to the Appellant within ten (10) calendar days of such determination and shall indicate whether the appeal has been granted in whole or in part and set forth the terms and conditions of the Relief, if any, granted to the Appellant. If the appeal is denied, the Appellant shall comply with all terms and conditions of this Ordinance and the applicable stage then in effect.

(4) Until the conclusion of the appeal process, all provisions and decisions under appeal shall remain in full force and effect until the conclusion of the appeal process.

Section 18. Conflicting Provisions

If provisions of this Ordinance are in conflict with each other, other rules and regulations of the District, or any other resolution or ordinance of the District, including but not limited to Ordinance Numbers 78, 79, 81, 87, 88, 185, and 219 as any or all of same have been amended from time to time the provisions of this Ordinance No. 255 shall apply. If the provisions of this Ordinance are in conflict with any State law or regulation, the more restrictive provisions shall apply.

Section 19. Severability

If any provision, section, subsection, sentence, clause or phrase or sections of this Ordinance, or the application of same to any Person or set of circumstances, is for any reason held to be unconstitutional, void or invalid, the invalidity of the remaining portions of sections of this Ordinance shall not be affected, it being the intent of the Board of Directors in adopting this Ordinance that no portions, provisions, or regulations contained herein shall become inoperative, or fail by reason of the unconstitutionality of any other provision hereof and all provisions of this Ordinance are declared to be severable for that purpose.

Section 20. Effective Date and Publication

This Ordinance shall be effective immediately upon adoption. Within ten (10) days after its adoption, the District Secretary shall cause this

Ordinance to be published once pursuant to California Government Code section 6061 in full in a newspaper of general circulation which is printed, published, and circulated in the District. If there is no such newspaper, the Ordinance shall be posted within the District after its adoption in three public places.

ADOPTED AND APPROVED this 28th day of May 2015 by the Board of Directors of the Elsinore Valley Municipal Water District.

Phil Williams, President
Board of Directors
Elsinore Valley Municipal Water District

ATTEST:

Terese Quintanar, Secretary of the
Board of Directors of the
Elsinore Valley Municipal Water District

STATE OF CALIFORNIA)
) ss:
 COUNTY OF RIVERSIDE)

I, Terese Quintanar, Secretary of the Board of Directors of the Elsinore Valley Municipal Water District, do hereby certify that the foregoing Ordinance No. 225 was duly adopted by said Board at its Regular Meeting held on May 28, 2015, and that it was so adopted by the following roll call vote:

AYES: Cambero, Horton, Morris, Ryan, Williams
 NOES: None
 ABSENT: None
 ABSTAIN: None

 Terese Quintanar, Secretary of the
 Board of Directors of the Elsinore Valley
 Municipal Water District

Attachment 2: 2015 EVMWD Drought Surcharge Study

Elsinore Valley Municipal Water District

Drought Surcharge Study

Final Report | July 2, 2015



201 S. Lake Avenue
Suite 301
Pasadena, CA 91101

Phone 626.583.1894
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www.raftelis.com

July 2, 2015

Ms. Margie Armstrong
Chief Financial Officer
Elsinore Valley Municipal Water District
P.O. Box 3000, 31315 Chaney Street
Lake Elsinore CA 92531

Subject: Drought Surcharge Study Report

Dear Ms. Armstrong,

Raftelis Financial Consultants, Inc. (RFC) is pleased to provide this Drought Surcharge Study Memorandum Report (Report) for Elsinore Valley Municipal Water District (District).

The major objectives of the Drought Surcharge Study include the following:

1. Develop Drought Surcharges for the District to implement during times of water supply shortages, as identified in the District's drought ordinance
2. Develop an approach for estimating customer conservation and usage at various stages of shortage
3. Identify the net revenue impact of water sales reduction with consideration to unrecovered fixed costs and avoided water supply costs
4. Calculate Drought Surcharges for all users, for the three stages (nine sub-stages) of drought that require mandatory restrictions

This Report summarizes the methodology, estimations, and recommendations related to the development of Drought Surcharges for the District.

It has been a pleasure working with you, and we thank you for the support provided during the course of this study.

Sincerely,

RAFTELIS FINANCIAL CONSULTANTS, INC.

A handwritten signature in grey ink, appearing to read 'Sanjay Gaur'.

Sanjay Gaur
Vice President

A handwritten signature in grey ink, appearing to read 'Kevin Kostiuk'.

Kevin Kostiuk
Consultant

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1. INTRODUCTION

1.1 BACKGROUND

The District provides water service to a population of approximately 120,000, comprised of approximately 41,500 residential, commercial, irrigation, and commercial accounts. The District is a member agency of Western Municipal Water District (Western), who in turn is a member agency of Metropolitan Water District of Southern California (MWD). The District receives water from five sources in the following order by volume (descending): imported water from MWD via Western, local Elsinore Basin groundwater well production, Canyon Lake surface water, Back Basin Groundwater Storage Project water, and imported water via Temescal Valley Pipeline.

On July 16, 2014, the District Board declared a Stage 2 water supply shortage¹ as water supplies continued to be reduced during the third year of California's historic drought. On May 28, 2015, the District Board declared a Stage 4a water supply shortage, owing the heightened stage to the continuation and intensification of a drought now in its fourth year. Three of the District's five² drought stages include three sub-stages, noted as a-b-c. Stage 4a calls for a mandatory 25% reduction in District-wide water use. In addition to the District's declarations, on April 1, 2015, Governor Brown issued Executive Order (EO) B-29-15 directing the State Water Resources Control Board (SWRCB) to work with water service providers to reduce urban potable use by 25% statewide.³

1.2 SCOPE OF THE STUDY

The District engaged RFC to develop Drought Surcharges to facilitate reductions in consumption for each of the nine (9) mandatory drought sub-stages (Stages 3a through 5c). This Study only includes Drought Surcharges for the Elsinore Water Division.⁴ The Temescal Water Division is not included in this analysis. This report documents the key assumptions involved in the development of the Drought Surcharges, an overview of the use reduction methodology, corresponding revenue impacts, Drought Surcharge calculations, and summary of proposed surcharges. This Study Report should be read in conjunction with the Water and Recycled Water Rate Study Report dated July 2, 2015.

Throughout the course of the engagement, RFC worked with management to develop several Drought Surcharge structure options. The selected option was presented before the District Board on May 20, 2015. The surcharges presented to the Board, found within this Report in Table 4-1, represent a revenue neutral cost recovery mechanism to achieve the overall consumption reduction for each drought stage, while maintaining revenue sufficiency. The Drought Surcharges assume percentage reductions in

¹ Water Restrictions as defined in the District's Water Shortage Contingency Plan

² Mandatory restrictions and Drought Surcharges are only effective in Stages 3-5.

³ The District's mandated urban water sales reduction is 28% based upon the SWRCB tiered reductions.

⁴ This analysis is based on rates for the Elsinore Valley Municipal Water District Rate Study Report dated July 2, 2015.

consumption, by customer class, by block, and by stage, to achieve overall consumption reductions required at each drought stage. The resultant surcharges are calculated as percentage values relative to respective base, or “non-drought” rates. Lastly, as a point of clarification, Drought Surcharges are charged in addition to base commodity rates.

2. ASSUMPTIONS

The Drought Surcharges presented in this report are based on the District’s proposed FY 2016 rates found in the Water and Recycled Water Rate Study Report of July 2, 2015. Proposed commodity rates are presented in Table 2-1.⁵ All tables in this report relating to commodity rates, water sales and the overall calculation of drought surcharges use FY 2016⁶ values. That is, all tables whether explicitly stated or not refer to FY 2016.⁷ The commodity rates are comprised of various cost components, including: water supply, delivery, peaking, conservation, recycled water, and revenue offsets. Water supply costs represent a purely variable cost. The other cost components recover fixed costs through the variable commodity rate. Cost components and corresponding values are presented in Table 2-2.

Table 2-1: Proposed FY 2016 Commodity Rates

Customer Class	Proposed Rate (\$/ccf)
Residential	
Indoor Use	\$2.25
Efficient Outdoor Use	\$2.75
Inefficient Use	\$4.34
Excessive Use	\$6.26
Irrigation	
Efficient Outdoor Use	\$2.83
Inefficient Use	\$4.52
Excessive Use	\$6.84
Others	
Commercial	\$2.75
Institutional	\$2.75
Hydrant	\$5.33
Inter-Agency	
Block 1	\$2.41
Block 2	\$3.91
Block 3	\$5.02

⁵ Several tables in this report combine the Commercial and Institutional classes in to one classification as they have the same commodity rates and Drought Surcharges. Additionally, Irrigation customers do not receive an allotment for indoor use as it is defined as for essential, indoor household requirements.

⁶ Fiscal Year 2016 runs from July 1, 2015 through June 30, 2016.

⁷ Revenue requirements and proposed rates used in this analysis are from the Elsinore Valley Municipal Water District Rate Study Report dated July 2, 2015.

Table 2-2: Proposed FY 2016 Commodity Rate Cost Components (\$/ccf)

Customer Class	Water Supply	Delivery	Peaking	Conservation	RW (Current)	RW Future	Revenue Offsets	Proposed Rate
Residential								
Indoor Use	\$1.60	\$0.20	\$0.48	\$0.00	\$0.00	\$0.00	(\$0.03)	\$2.25
Efficient Outdoor Use	\$1.60	\$0.20	\$0.95	\$0.00	\$0.00	\$0.00	\$0.00	\$2.75
Inefficient Use	\$2.37	\$0.20	\$0.99	\$0.11	\$0.67	\$0.00	\$0.00	\$4.34
Excessive Use	\$2.71	\$0.20	\$2.05	\$0.44	\$0.67	\$0.19	\$0.00	\$6.26
Irrigation								
Efficient Outdoor Use	\$1.60	\$0.20	\$1.03	\$0.00	\$0.00	\$0.00	\$0.00	\$2.83
Inefficient Use	\$2.37	\$0.20	\$1.17	\$0.11	\$0.67	\$0.00	\$0.00	\$4.52
Excessive Use	\$2.71	\$0.20	\$2.63	\$0.44	\$0.67	\$0.19	\$0.00	\$6.84
Others (Non-Water Budget)								
Commercial /Institutional	\$1.73	\$0.20	\$0.67	\$0.05	\$0.10	\$0.02	(\$0.02)	\$2.75
Hydrant	\$2.37	\$0.20	\$2.64	\$0.00	\$0.10	\$0.02	\$0.00	\$5.33
Inter-Agency								
Block 1	\$1.60	\$0.20	\$0.63	\$0.00	\$0.00	\$0.00	(\$0.02)	\$2.41
Block 2	\$2.37	\$0.20	\$0.84	\$0.11	\$0.39	\$0.00	\$0.00	\$3.91
Block 3	\$2.71	\$0.20	\$1.09	\$0.44	\$0.39	\$0.19	\$0.00	\$5.02

District drought stages range from Stage 1 to Stage 5. Stages 3 to 5 are comprised of three sub-stages, with consumption reductions in 5 percent increments. Stage 3a (10 percent mandatory reduction) to Stage 5c (50 percent mandatory reduction) represent the nine sub-stages included in this study. Drought Surcharges for reductions less than 10 percent (voluntary reductions) are excluded from this analysis. A summary of District drought stages is presented in Table 2-3.

Table 2-3: Drought Stages

EVMWD Drought Stage	Declared Shortage
2	5%
3a	10%
3b	15%
3c	20%
4a	25%
4b	30%
4c	35%
5a	40%
5b	45%
5c	50%

2.1 REVENUE REQUIREMENTS

The baseline for the Drought Surcharges is the projected FY 2016 demand and corresponding rates to determine the non-drought revenue requirements. Table 2-4 shows the baseline revenue requirement and corresponding base demand.

Table 2-4: Baseline Revenue Requirement, FY 2016

Customer Class	Base Usage (ccf)	Rev Requirement	Base Rate (\$/ccf)
Residential			
Indoor Use	4,568,250	\$10,278,563	\$2.25
Efficient Outdoor Use	2,808,746	\$7,724,052	\$2.75
Inefficient Use	317,672	\$1,378,696	\$4.34
Excessive Use	600,178	\$3,757,118	\$6.26
Irrigation			
Efficient Outdoor Use	1,292,809	\$3,658,649	\$2.83
Inefficient Use	192,767	\$871,305	\$4.52
Excessive Use	417,621	\$2,856,530	\$6.84
Others (Non-Water Budget)			
Commercial	520,496	\$1,431,364	\$2.75
Institutional	71,751	\$197,315	\$2.75
Hydrant	115,529	\$615,770	\$5.33
Inter-Agency			
Block 1	107,926	\$260,102	\$2.41
Block 2	25,026	\$97,852	\$3.91
Block 3	12,944	\$64,979	\$5.02
Total Demand/Revenue	11,051,716	\$33,192,295	

Revenue requirements are modified for each stage to account for avoided costs from reduced water purchases (a variable cost). Avoided costs consist of the variable cost component (water supply) for each classes'- and blocks'- commodity rate multiplied by the reduced sales (in ccf) in the stage. Table 2-5 details the avoided supply costs by stage. The effect of reducing water supply costs is to reduce the revenue requirement in each stage.

Table 2-5: Avoided Water Supply Costs, by Stage

Drought Stage	Declared Shortage	Avoided Costs (Water Supply)
-	<10%	\$1,555,491
3a	10%	\$2,905,900
3b	15%	\$4,154,894
3c	20%	\$5,212,381
4a	25%	\$6,029,519
4b	30%	\$6,996,743
4c	35%	\$7,756,354
5a	40%	\$8,566,575
5b	45%	\$9,506,894
5c	50%	\$10,695,675

However, reduced water sales generate unrecoverable fixed costs which include the costs associated with delivery, peaking, conservation, recycled water, and revenue offsets. Table 2-2 identifies the various cost components that makeup the individual commodity rates. All cost components, less water supply, are incurred irrespective of water sales and are therefore unavoidable. The reduction in sales units (ccf) multiplied by the unavoidable cost represents the revenue impact for each block and/or class. The net revenue impact to the District in each stage is then the sum of all unrecoverable costs across every class and block. Table 2-6 summarizes the calculation for the Residential class and uses Stage 3a as an example. Table 2-7 summarizes the net revenue impacts at each stage.

Table 2-6: Net Revenue Impact Calculation (Residential Class), Stage 3a

Customer Class	Base Usage (ccf)	Reduction (%)	Stage Usage (ccf)	Reduction (ccf)	Fixed Costs	Net Rev Impact
<i>Residential</i>						
Indoor Use	4,568,250	0%	4,568,250	0	\$0.65/ccf	\$0
Conservation Use	2,808,746	0%	2,808,746	0	\$1.15/ccf	\$0
Inefficient Use	317,672	10%	285,905	31,767	\$1.97/ccf	\$62,581
Excessive Use	600,178	100%	0	600,178	\$3.55/ccf	\$2,130,633
Total	8,294,847		7,662,901	631,945		\$2,193,215

Table 2-7: Net Revenue Impact, by Stage

Drought Stage	Required Sales Reduction	Net Revenue Impact (\$)
-	0%	\$0
-	5%	\$2,173,216
3a	10%	\$3,992,768
3b	15%	\$5,054,268
3c	20%	\$5,841,118
4a	25%	\$6,450,847
4b	30%	\$7,168,480
4c	35%	\$7,733,727
5a	40%	\$8,336,119
5b	45%	\$9,031,350
5c	50%	\$9,907,389

Table 2-8 summarizes the revenue requirements for each stage relative to baseline. Table 2-9 illustrates the modified revenue requirement calculation for Stage 3a as an example. Note, the revenue requirement only accounts for commodity (water sales), not revenue recovered through fixed charges.

Table 2-8: Stage Adjusted Revenue Requirements and Revenue Impacts

Drought Stage	Required Sales Reduction	Net Revenue Impact	Stage Revenue Requirement
-	0%	\$0	\$33,192,295
-	5%	\$2,173,216	\$31,636,804
3a	10%	\$3,992,768	\$30,286,395
3b	15%	\$5,054,268	\$29,037,401
3c	20%	\$5,841,118	\$27,979,914
4a	25%	\$6,450,847	\$27,162,775
4b	30%	\$7,168,480	\$26,195,551
4c	35%	\$7,733,727	\$25,435,941
5a	40%	\$8,336,119	\$24,625,720
5b	45%	\$9,031,350	\$23,685,400
5c	50%	\$9,907,389	\$22,496,620

Table 2-9: Stage Adjusted Revenue Requirements at Stage 3a

Customer Class	Baseline Revenue Requirement	Less Avoided Costs (Water Purchases)	Stage Revenue Requirement
Residential			
Indoor Use	\$10,278,563	\$0.00	\$10,278,563
Efficient Outdoor Use	\$7,724,052	\$0.00	\$7,724,052
Inefficient Use	\$1,378,696	\$75,288	\$1,303,408
Excessive Use	\$3,757,118	\$1,626,484	\$2,130,634
Irrigation			
Efficient Outdoor Use	\$3,658,649	\$0	\$3,658,649
Inefficient Use	\$871,305	\$45,686	\$825,620
Excessive Use	\$2,856,530	\$1,131,754	\$1,724,776
Others (Non-Water Budget)			
Commercial	\$1,431,364	\$0.00	\$1,431,364
Institutional	\$197,315	\$0.00	\$197,315
Hydrant	\$615,770	\$26,688	\$589,082
Inter-Agency			
Block 1	\$260,102	\$0	\$260,102
Block 2	\$97,852	\$0	\$97,852
Block 3	\$64,979	\$0	\$64,979
Total Revenue Requirement	\$33,192,295	\$2,905,900	\$30,286,395

2.2 CONSUMPTION

Table 2-10 below shows the forecast (projected) consumption for FY 2016. The majority of use is attributable to Residential users, with Irrigation secondary. The balance of consumption is comprised of Commercial, Industrial, Construction (Hydrant), and Inter-Agency demand. The consumption levels indicated below correspond with a typical non-water shortage year for the District. Consequently, these usage levels by customer class serve as a baseline for the consumption assumptions and revenue requirement used in each water shortage stage.

Table 2-10: Baseline Demand FY 2016

Customer Class	Base Usage (ccf)
<i>Residential</i>	
Indoor Use	4,568,250
Efficient Outdoor Use	2,808,746
Inefficient Use	317,672
Excessive Use	600,178
<i>Irrigation</i>	
Efficient Outdoor Use	1,292,809
Inefficient Use	192,767
Excessive Use	417,621
<i>Others (Non-Water Budget)</i>	
Commercial	520,496
Institutional	71,751
Hydrant	115,529
<i>Inter-Agency</i>	
Block 1	107,926
Block 2	25,026
Block 3	12,944
Total Demand/Revenue	11,051,716

Stage 4a, for example, requires an overall reduction of 25 percent. Table 2-11 indicates the assumed adjustment (targeted reductions) required to achieve Stage 4a usage reductions, as well as the estimated usage once those reductions have been achieved. The method to achieve target reduction is to reduce use in the upper blocks of water budget customers first. Since the purpose of water budgets are to identify allocations for efficient use for different customer classes, we can reasonably assume that in times of shortage inefficient and wasteful usage of water should and will be reduced first. In the District’s case, this represents excessive use by Residential and Irrigation customers. Once all excessive use is reduced to zero, we reduce inefficient use to such a degree that we achieve the system wide reduction target of 25 percent in the case of stage 4a. This reduction logic continues “downward” through the blocks as the drought stages, and necessary reductions, increase.

Table 2-11: Usage Reduction by Class and Block, Stage 4a

Customer Class	Adjusted Usage (ccf/year)	Reduction	Stage Usage (ccf)
Residential			
Indoor Use	4,568,250	0%	4,568,250
Efficient Outdoor Use	2,025,374	0%	2,025,374
Inefficient Use	422,126	100%	0
Excessive Use	1,279,097	100%	0
Irrigation			
Efficient Outdoor Use	833,931	0%	833,931
Inefficient Use	198,134	100%	0
Excessive Use	871,132	100%	0
Others (Non-Water Budget)			
Commercial/Institutional	592,247	0%	592,247
Hydrant	115,529	25%	86,321
Inter-Agency			
Block 1	107,926	0%	107,926
Block 2	25,026	5%	23,775
Block 3	12,944	5%	12,297

There are several items to note regarding the estimated Stage 4a usage in Table 2-11. First, no reduction in indoor use (for Residential accounts) was assumed, as indoor use is to meet essential needs for health and sanitation.

Second, a 45 percent reduction in Efficient Outdoor Use (for efficient outdoor irrigation) for Residential and Irrigation customers is required as there is no longer enough use to be reduced in the inefficient and excessive use blocks after adjustment to meet the system-wide 25 percent reduction (see Table 2-12). Efficient Outdoor Use is reduced in the highest drought stage, 5c, to zero use to achieve the system-wide target of 50 percent.

Third, no reduction is assumed for uniform customers other than hydrant (construction) use as these classes are heterogeneous- making it difficult to estimate efficient use and therefore reductions. Additionally, uniform rate customers' use as a whole is minimal (6.4%) relative to District-wide consumption. Hydrant and Inter-Agency use is reduced in the higher stages. See tables in Section 5 for these reductions, by stage. Considering the method above, the remaining classes and blocks must decrease their usage at an average reduction greater than 25 percent to achieve the overall 25 percent reduction target.

The consumption forecast for each of the remaining drought stages is determined using the same logic.

Table 2-12 summarizes the level of reduction in percentage terms for water budget customers at each stage.

Table 2-12: Water Budget Block Reductions, by Stage

Drought Stage	Indoor Reduction	Efficient Outdoor Reduction	Inefficient Reduction	Excessive Reduction
3a	0%	0%	10%	100%
3b	0%	5%	100%	100%
3c	0%	30%	100%	100%
4a	0%	45%	100%	100%
4b	0%	60%	100%	100%
4c	0%	70%	100%	100%
5a	0%	80%	100%	100%
5b	0%	90%	100%	100%
5c	0%	100%	100%	100%

3. DROUGHT SURCHARGE DESIGN

3.1 EXISTING NON-DROUGHT COMMODITY RATES

As mentioned above, the basis for the drought surcharge design is the projected revenue requirements for FY 2016. Table 3-1 indicates the proposed FY 2016 commodity rates. The current rate structure includes water budgets for Residential and Irrigation accounts, an inclining three-block rate structure for Inter-Agency sales, and uniform commodity rates for all other classes.

3.1.1 Water Budget Definitions

Water budgets allot water in discrete blocks to users based on defined needs, namely indoor and outdoor use. Residential customers are allotted indoor use (termed Indoor Use by the District) based upon household density, days of service, and targeted per capita use of 55 gallons per day (gpcd). This allotment is sufficient to meet household demand at efficient usage levels and is referred to as an Indoor Water Budget (IWB). Efficient Outdoor Use is allotted based upon the irrigable area (or landscape area) of a home or Irrigation account, and represents the amount of water required to keep landscapes healthy. This efficient amount of water for irrigation is referred to as an Outdoor Water Budget (OWB). Inefficient Use is defined as anything greater than the Total Water Budget (TWB), which is the IWB+OWB. Customers receive an allotment equal to 30% of their OWB in the Inefficient Use block. The next block is Excessive Use which is all usage in excess of Inefficient Use. Water Budgets function much the same as traditional Inclining Block Rates, with the difference being that in a water budget structure the block widths (or thresholds) are customized for each user, while the price within the block remains the same for all. Please

see Section 3 of the Water and Recycled Water Rate Study Report for further detail on Water Budget definitions and Water Budget development methodology.

Consumption is billed by block or by uniform rate, depending upon the customer class. For example, Residential customers are billed at \$2.25/ccf for Indoor Use (IWB), \$2.75 for Efficient Outdoor Use (OWB), \$4.34 for Inefficient Use, and \$6.26 for Excessive Use. Table 3-1 includes proposed FY 2016 rates for all customer classes (same as Table 2-1). See the Water and Recycled Water Rate Study dated July 2, 2015 for a basis upon which these rates were calculated.

Table 3-1: Proposed FY 2016 Commodity Rates

Customer Class	Proposed Rate (\$/ccf)
<i>Residential</i>	
Indoor Use	\$2.25
Efficient Outdoor Use	\$2.75
Inefficient Use	\$4.34
Excessive Use	\$6.26
<i>Irrigation</i>	
Efficient Outdoor Use	\$2.83
Inefficient Use	\$4.52
Excessive Use	\$6.84
<i>Others</i>	
Commercial/Institutional	\$2.75
Hydrant	\$5.33
<i>Inter-Agency</i>	
Block 1	\$2.41
Block 2	\$3.91
Block 3	\$5.02

3.2 WATER SHORTAGE RATE CALCULATIONS AND PROPOSED RATES

Of the District’s 5 drought stages, the proposed surcharges are for those stages in which consumption reduction is considered mandatory (i.e., Stages 3a through 5c) and are adjusted upward with each stage to reflect the severity of the water shortage and achieve the desired reduction in consumption. The option proposed and presented to the District Board is revenue neutral and recovers costs associated with the drought and the reduction in revenues due to projected reductions in consumption during identified drought stages. That is, the drought surcharges for each stage recover the FY 2016 stage-adjusted revenue requirement, and account for variable cost savings.

3.2.1 Drought Surcharges Calculation

The Drought Surcharge calculations involve the following steps: first, we define the baseline (non-water shortage) consumption as 11.05 million ccf with a commodity revenue requirement of \$33.19 million. Again, these requirements are based upon projected FY 2016 demand and proposed FY 2016 commodity rates.

Second, we apply, by customer class and block, the percentage reductions in consumption required to achieve the overall reduction. These percentages are based on discussions with District Management, the characteristics of the District’s existing rate structure, and our experience with similar studies of this nature. The adjusted, or stage usage, is thus determined to estimate District-wide water sales at a given stage. Note that no reductions are assumed for Indoor Use (Indoor Water Budget) at any stage, and reductions in Efficient Outdoor Use (Outdoor Water Budget) begin at Stage 3b (5 percent) and escalate to 100 percent at the highest stage (5c). Said differently, in Stage 5c there is no outdoor water use.

Third, we calculate drought surcharges based on the FY 2016 revenue requirements (adjusted for incremental water purchase savings) and reduced usage (25 percent in the case of Stage 4a). This calculation is performed by determining the “across-the-board” percentage increase in the existing commodity rates required to recover the drought costs (net revenue impact) and distributing the percentage increase across all base rates. Therefore the surcharges represent a uniform percentage increase (or percentage amount) to the non-drought rates.

This methodology ensures that the Drought Surcharges reflect revenue recovery consistent with cost of service principles, given that the baseline (non-drought) commodity rates are cost of service based rates. Additionally, a percentage increase, rather than a uniform dollar surcharge, maintains the integrity of the block and budget-based rate structures, allowing a price signal to achieve desired conservation and proportionally allocate the costs of service.

Table 3-2 indicates the detailed calculations for Water Shortage Stage 4a. Table 3-2 is separated into two tables to accommodate the number of columns required in the calculation. The table should be read from left to right, with the second half representing the columns to the right of the last column of the first half. Calculations for all other Stages 3a-5c are included in Appendix A.

Table 3-2: Drought Surcharge Calculation, Stage 4a

Stage 4a	Reduction	25%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Indoor Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Efficient Outdoor Use	2,808,746	\$7,724,052	\$2.75	2,025,374	0%	2,025,374
Inefficient Use	317,672	\$1,378,696	\$4.34	422,126	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	1,279,097	100%	0
	8,294,847	\$23,138,429		8,294,847		6,593,624
Irrigation						
Efficient Outdoor Use	1,292,809	\$3,658,649	\$2.83	833,931	0%	833,931
Inefficient Use	192,767	\$871,305	\$4.52	198,134	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	871,132	100%	0
	1,903,197	\$7,386,485		1,903,197		833,931
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	25%	86,321
	707,776	\$2,244,449		707,776		678,568
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	5%	23,775
Block 3	12,944	\$64,979	\$5.02	12,944	5%	12,297
	145,896	\$422,932		145,896		143,998

Table 3-2: Drought Surcharge Calculation, Stage 4a (Continued)

Stage 4a	Reduction	25%		Uniform %	32%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Indoor Use	4,568,250	\$0	\$0	4,568,250	\$ 0.71
Efficient Outdoor Use	2,025,374	\$900,878	\$1,253,396	2,475,457	\$ 0.86
Inefficient Use	0	\$625,814	\$752,882	0	\$ 1.37
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 1.98
	6,593,624	\$3,657,325	\$3,632,762		
Irrigation					
Efficient Outdoor Use	833,931	\$564,419	\$734,204	1,048,900	\$ 0.89
Inefficient Use	0	\$414,448	\$456,857	0	\$ 1.43
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 2.16
	833,931	\$2,703,644	\$2,322,815		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 0.86
Institutional	71,751	\$0	\$0	87,696	\$ 0.86
Hydrant	86,321	\$86,456	\$69,223	204,485	\$ 1.67
	678,568	\$86,456	\$69,223		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 0.76
Block 2	23,775	\$1,927	\$2,966	41,315	\$ 1.22
Block 3	12,297	\$1,495	\$1,754	27,436	\$ 1.57
	143,998	\$3,422	\$4,719	Unit Cost	\$ 0.70

4. PROPOSED DROUGHT SURCHARGES

The methodology and calculation in the preceding sub-section was performed for Stages 3a-5c to produce the surcharges indicated in Table 4-1 below. Note that the surcharges indicated are additional to the base commodity rates (also shown in Table 4-1) and there is no surcharge on the fixed portion of a customer's bill

The Drought Surcharges calculated in Table 3-2 are found in the column titled 4a below. In Stage 4a, Indoor Use has a Drought Surcharge of \$0.71 while Excessive Use has a surcharge of \$1.98, nearly three times higher, since the surcharge is relative to the base rate. Efficient Outdoor Use is charged an additional \$0.86/ccf for Residential customers and \$0.89/ccf for Irrigation customers.

Table 4-1: Proposed Drought Surcharges

Class	Base Rate	Drought Surcharges								
		Stage 3			Stage 4			Stage 5		
		3a	3b	3c	4a	4b	4c	5a	5b	5c
Residential										
Indoor Use	\$2.25	\$0.35	\$0.48	\$0.60	\$0.71	\$0.85	\$0.99	\$1.16	\$1.39	\$1.78
Efficient Outdoor Use	\$2.75	\$0.42	\$0.58	\$0.73	\$0.86	\$1.04	\$1.21	\$1.41	\$1.70	\$2.18
Inefficient Use	\$4.34	\$0.66	\$0.93	\$1.16	\$1.37	\$1.64	\$1.91	\$2.24	\$2.69	\$3.44
Excessive Use	\$6.26	\$0.98	\$1.34	\$1.67	\$1.98	\$2.37	\$2.76	\$3.23	\$3.87	\$4.96
Irrigation										
Efficient Outdoor Use	\$2.83	\$0.43	\$0.60	\$0.75	\$0.89	\$1.07	\$1.24	\$1.45	\$1.75	\$2.24
Inefficient Use	\$4.52	\$0.69	\$0.97	\$1.21	\$1.43	\$1.71	\$1.99	\$2.34	\$2.80	\$3.58
Excessive Use	\$6.84	\$1.07	\$1.46	\$1.83	\$2.16	\$2.59	\$3.01	\$3.53	\$4.23	\$5.42
Others (Non-Water Budget)										
Commercial/ Institutional	\$2.75	\$0.42	\$0.58	\$0.73	\$0.86	\$1.04	\$1.21	\$1.41	\$1.70	\$2.17
Hydrant	\$5.33	\$0.81	\$1.13	\$1.41	\$1.67	\$2.01	\$2.33	\$2.73	\$3.29	\$4.20
Inter-Agency										
Block 1	\$2.41	\$0.37	\$0.51	\$0.64	\$0.76	\$0.91	\$1.06	\$1.24	\$1.49	\$1.90
Block 2	\$3.91	\$0.60	\$0.83	\$1.04	\$1.22	\$1.48	\$1.71	\$2.01	\$2.41	\$3.08
Block 3	\$5.02	\$0.77	\$1.06	\$1.33	\$1.57	\$1.90	\$2.20	\$2.57	\$3.10	\$3.96

5. APPENDIX A – STAGE SURCHARGE CALCULATIONS

Table 5-1: Stage 3a

Stage 3a	Reduction	10%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	2,808,746	0%	2,808,746
Inefficient Use	317,672	\$1,378,696	\$4.34	317,672	10%	285,905
Excessive Use	600,179	\$3,757,117	\$6.26	600,179	100%	0
	8,294,847	\$23,138,429		8,294,847		7,662,901
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	1,292,809	0%	1,292,809
Inefficient Use	192,767	\$871,305	\$4.52	192,767	10%	173,490
Excessive Use	417,621	\$2,856,530	\$6.84	417,621	100%	0
	1,903,197	\$7,386,485		1,903,197		1,466,299
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	10%	104,268
	707,776	\$2,244,449		707,776		696,515
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	0%	25,026
Block 3	12,944	\$64,979	\$5.02	12,944	0%	12,944
	145,896	\$422,932		145,896		145,896

Stage 3a	Reduction	10%		Uniform %	16%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0.00	4,568,250	\$ 0.35
Conservation Base Use	2,808,746	\$0	\$0.00	3,432,912	\$ 0.42
Inefficient Use	285,905	\$62,581	\$75,288	551,478	\$ 0.66
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 0.98
	7,662,901	\$2,193,215	\$1,701,772		
Irrigation					
Conservation Base Use	1,292,809	\$0	\$0.00	1,626,066	\$ 0.43
Inefficient Use	173,490	\$41,445	\$45,686	348,522	\$ 0.69
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 1.07
	1,466,299	\$1,766,221	\$1,177,440		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 0.42
Institutional	71,751	\$0	\$0	87,696	\$ 0.42
Hydrant	104,268	\$33,332	\$26,688	247,000	\$ 0.81
	696,515	\$33,332	\$26,688		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 0.37
Block 2	25,026	\$0	\$0	43,490	\$ 0.60
Block 3	12,944	\$0	\$0	28,880	\$ 0.77
	145,896	\$0	\$0		

Table 5-2: Stage 3b

Stage 3b	Reduction	15%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	2,756,507	0%	2,756,507
Inefficient Use	317,672	\$1,378,696	\$4.34	333,278	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	636,812	100%	0
	8,294,847	\$23,138,429		8,294,847		7,324,758
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	1,253,061	0%	1,253,061
Inefficient Use	192,767	\$871,305	\$4.52	198,744	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	451,392	100%	0
	1,903,197	\$7,386,485		1,903,197		1,253,061
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	15%	98,762
	707,776	\$2,244,449		707,776		691,009
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	0%	25,026
Block 3	12,944	\$64,979	\$5.02	12,944	0%	12,944
	145,896	\$422,932		145,896		145,896

Stage 3b	Reduction	15%		Uniform %	21%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0.00	4,568,250	\$ 0.48
Conservation Base Use	2,756,507	\$60,075	\$83,582	3,369,064	\$ 0.58
Inefficient Use	0	\$625,814	\$752,882	0	\$ 0.93
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 1.34
	7,324,758	\$2,816,522	\$2,462,948		
Irrigation					
Conservation Base Use	1,253,061	\$48,890	\$63,596.36	1,576,073	\$ 0.60
Inefficient Use	0	\$414,448	\$456,857	0	\$ 0.97
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 1.46
	1,253,061	\$2,188,114	\$1,652,207		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0.00	636,162	\$ 0.58
Institutional	71,751	\$0	\$0.00	87,696	\$ 0.58
Hydrant	98,762	\$49,631	\$39,739	233,955	\$ 1.13
	691,009	\$49,631	\$39,739		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 0.51
Block 2	25,026	\$0	\$0	43,490	\$ 0.83
Block 3	12,944	\$0	\$0	28,880	\$ 1.06
	145,896	\$0	\$0		

Table 5-3: Stage 3c

Stage 3c	Reduction	20%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	2,346,212	0%	2,346,212
Inefficient Use	317,672	\$1,378,696	\$4.34	414,312	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	966,073	100%	0
	8,294,847	\$23,138,429		8,294,847		6,914,462
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	1,011,189	0%	1,011,189
Inefficient Use	192,767	\$871,305	\$4.52	211,770	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	680,239	100%	0
	1,903,197	\$7,386,485		1,903,197		1,011,189
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	20%	92,847
	707,776	\$2,244,449		707,776		685,094
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	0%	25,026
Block 3	12,944	\$64,979	\$5.02	12,944	0%	12,944
	145,896	\$422,932		145,896		145,896

Stage 3c	Reduction	20%		Uniform %	27%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0	4,568,250	\$ 0.60
Conservation Base Use	2,346,212	\$531,915	\$740,056	2,867,592	\$ 0.73
Inefficient Use	0	\$625,814	\$752,882	0	\$ 1.16
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 1.67
	6,914,462	\$3,288,362	\$3,119,422		
Irrigation					
Conservation Base Use	1,011,189	\$346,393	\$450,593	1,271,850	\$ 0.75
Inefficient Use	0	\$414,448	\$456,857	0	\$ 1.21
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 1.83
	1,011,189	\$2,485,618	\$2,039,204		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 0.73
Institutional	71,751	\$0	\$0	87,696	\$ 0.73
Hydrant	92,847	\$67,138	\$53,756	219,945	\$ 1.41
	685,094	\$67,138	\$53,756		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 0.64
Block 2	25,026	\$0	\$0	43,490	\$ 1.04
Block 3	12,944	\$0	\$0	28,880	\$ 1.33
	145,896	\$0	\$0		

Table 5-4: Stage 4a

Stage 4a	Reduction	25%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Indoor Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Efficient Outdoor Use	2,808,746	\$7,724,052	\$2.75	2,025,374	0%	2,025,374
Inefficient Use	317,672	\$1,378,696	\$4.34	422,126	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	1,279,097	100%	0
	8,294,847	\$23,138,429		8,294,847		6,593,624
Irrigation						
Efficient Outdoor Use	1,292,809	\$3,658,649	\$2.83	833,931	0%	833,931
Inefficient Use	192,767	\$871,305	\$4.52	198,134	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	871,132	100%	0
	1,903,197	\$7,386,485		1,903,197		833,931
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	25%	86,321
	707,776	\$2,244,449		707,776		678,568
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	5%	23,775
Block 3	12,944	\$64,979	\$5.02	12,944	5%	12,297
	145,896	\$422,932		145,896		143,998

Stage 4a	Reduction	25%		Uniform %	32%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Indoor Use	4,568,250	\$0	\$0	4,568,250	\$ 0.71
Efficient Outdoor Use	2,025,374	\$900,878	\$1,253,396	2,475,457	\$ 0.86
Inefficient Use	0	\$625,814	\$752,882	0	\$ 1.37
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 1.98
	6,593,624	\$3,657,325	\$3,632,762		
Irrigation					
Efficient Outdoor Use	833,931	\$564,419	\$734,204	1,048,900	\$ 0.89
Inefficient Use	0	\$414,448	\$456,857	0	\$ 1.43
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 2.16
	833,931	\$2,703,644	\$2,322,815		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 0.86
Institutional	71,751	\$0	\$0	87,696	\$ 0.86
Hydrant	86,321	\$86,456	\$69,223	204,485	\$ 1.67
	678,568	\$86,456	\$69,223		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 0.76
Block 2	23,775	\$1,927	\$2,966	41,315	\$ 1.22
Block 3	12,297	\$1,495	\$1,754	27,436	\$ 1.57
	143,998	\$3,422	\$4,719	Unit Cost	\$ 0.70

Table 5-5: Stage 4b

Stage 4b	Reduction	30%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	1,631,406	0%	1,631,406
Inefficient Use	317,672	\$1,378,696	\$4.34	431,183	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	1,664,008	100%	0
	8,294,847	\$23,138,429		8,294,847		6,199,656
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	633,886	0%	633,886
Inefficient Use	192,767	\$871,305	\$4.52	166,676	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	1,102,635	100%	0
	1,903,197	\$7,386,485		1,903,197		633,886
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	30%	81,222
	707,776	\$2,244,449		707,776		673,469
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	10%	22,523
Block 3	12,944	\$64,979	\$5.02	12,944	10%	11,650
	145,896	\$422,932		145,896		142,099

Stage 4b	Reduction	30%		Uniform %	38%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0	4,568,250	\$ 0.85
Conservation Base Use	1,631,406	\$1,353,941	\$1,883,745	1,993,940	\$ 1.04
Inefficient Use	0	\$625,814	\$752,882	0	\$ 1.64
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 2.37
	6,199,656	\$4,110,389	\$4,263,111		
Irrigation					
		\$2,130,634	\$1,626,484		
Conservation Base Use	633,886	\$810,475	\$1,054,276	797,288	\$ 1.07
Inefficient Use	0	\$414,448	\$456,857	0	\$ 1.71
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 2.59
	633,886	\$2,949,699	\$2,642,887		
		\$1,724,776	\$1,131,754		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 1.04
Institutional	71,751	\$0	\$0	87,696	\$ 1.04
Hydrant	81,222	\$101,548	\$81,307	192,407	\$ 2.01
	673,469	\$101,548	\$81,307		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 0.91
Block 2	22,523	\$3,854	\$5,931	39,141	\$ 1.48
Block 3	11,650	\$2,990	\$3,508	25,992	\$ 1.90
	142,099	\$6,844	\$9,439		

Table 5-6: Stage 4c

Stage 4c	Reduction	35%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	1,313,153	0%	1,313,153
Inefficient Use	317,672	\$1,378,696	\$4.34	384,849	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	2,028,594	100%	0
	8,294,847	\$23,138,429		8,294,847		5,881,404
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	489,395	0%	489,395
Inefficient Use	192,767	\$871,305	\$4.52	135,791	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	1,278,011	100%	0
	1,903,197	\$7,386,485		1,903,197		489,395
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	35%	75,104
	707,776	\$2,244,449		707,776		667,351
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	15%	21,272
Block 3	12,944	\$64,979	\$5.02	12,944	15%	11,002
	145,896	\$422,932		145,896		140,201

Stage 4c	Reduction	35%		Uniform %	44%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0	4,568,250	\$ 0.99
Conservation Base Use	1,313,153	\$1,719,932	\$2,392,949	1,604,965	\$ 1.21
Inefficient Use	0	\$625,814	\$752,882	0	\$ 1.91
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 2.76
	5,881,404	\$4,476,379	\$4,772,315		
Irrigation					
Conservation Base Use	489,395	\$988,199	\$1,285,462	615,550	\$ 1.24
Inefficient Use	0	\$414,448	\$456,857	0	\$ 1.99
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 3.01
	489,395	\$3,127,424	\$2,874,073		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 1.21
Institutional	71,751	\$0	\$0	87,696	\$ 1.21
Hydrant	75,104	\$119,658	\$95,808	177,913	\$ 2.33
	667,351	\$119,658	\$95,808		
Inter-Agency					
Block 1	107,926	\$0	\$0.00	115,601	\$ 1.06
Block 2	21,272	\$5,781	\$8,897	36,966	\$ 1.71
Block 3	11,002	\$4,485	\$5,262	24,548	\$ 2.20
	140,201	\$10,266	\$14,158		

Table 5-7: Stage 5a

Stage 5a	Reduction	40%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	972,875	0%	972,875
Inefficient Use	317,672	\$1,378,696	\$4.34	359,151	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	2,394,571	100%	0
	8,294,847	\$23,138,429		8,294,847		5,541,125
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	335,298	0%	335,298
Inefficient Use	192,767	\$871,305	\$4.52	99,040	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	1,468,859	100%	0
	1,903,197	\$7,386,485		1,903,197		335,298
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	40%	68,985
	707,776	\$2,244,449		707,776		661,232
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	20%	20,021
Block 3	12,944	\$64,979	\$5.02	12,944	20%	10,355
	145,896	\$422,932		145,896		138,302

Stage 5a	Reduction	40%		Uniform %	52%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0	4,568,250	\$ 1.16
Conservation Base Use	972,875	\$2,111,252	\$2,937,394	1,189,069	\$ 1.41
Inefficient Use	0	\$625,814	\$752,882	0	\$ 2.24
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 3.23
	5,541,125	\$4,867,700	\$5,316,761		
Irrigation					
Conservation Base Use	335,298	\$1,177,738	\$1,532,017	421,730	\$ 1.45
Inefficient Use	0	\$414,448	\$456,857	0	\$ 2.34
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 3.53
	335,298	\$3,316,963	\$3,120,628		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 1.41
Institutional	71,751	\$0	\$0	87,696	\$ 1.41
Hydrant	68,985	\$137,769	\$110,308	163,419	\$ 2.73
	661,232	\$137,769	\$110,308		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 1.24
Block 2	20,021	\$7,708	\$11,862	34,792	\$ 2.01
Block 3	10,355	\$5,980	\$7,016	23,104	\$ 2.57
	138,302	\$13,688	\$18,878		

Table 5-8: Stage 5b

Stage 5b	Reduction	45%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	557,414	0%	557,414
Inefficient Use	317,672	\$1,378,696	\$4.34	284,827	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	2,884,356	100%	0
	8,294,847	\$23,138,429		8,294,847		5,125,664
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	173,561	0%	173,561
Inefficient Use	192,767	\$871,305	\$4.52	55,210	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	1,674,425	100%	0
	1,903,197	\$7,386,485		1,903,197		173,561
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	45%	63,887
	707,776	\$2,244,449		707,776		656,134
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	25%	18,770
Block 3	12,944	\$64,979	\$5.02	12,944	25%	9,708
	145,896	\$422,932		145,896		136,404

Stage 5b	Reduction	45%		Uniform %	62%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0	4,568,250	\$ 1.39
Conservation Base Use	557,414	\$2,589,032	\$3,602,132	681,284	\$ 1.70
Inefficient Use	0	\$625,814	\$752,882	0	\$ 2.69
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 3.87
	5,125,664	\$5,345,480	\$5,981,498		
Irrigation					
Conservation Base Use	173,561	\$1,376,674	\$1,790,796	218,302	\$ 1.75
Inefficient Use	0	\$414,448	\$456,857	0	\$ 2.80
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 4.23
	173,561	\$3,515,899	\$3,379,407		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 1.70
Institutional	71,751	\$0	\$0	87,696	\$ 1.70
Hydrant	63,887	\$152,861	\$122,392	151,341	\$ 3.29
	656,134	\$152,861	\$122,392		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 1.49
Block 2	18,770	\$9,635	\$14,828	32,617	\$ 2.41
Block 3	9,708	\$7,475	\$8,770	21,660	\$ 3.10
	136,404	\$17,110	\$23,597		

Table 5-9: Stage 5c

Stage 5c	Reduction	50%				
Customer Class	Base Usage (ccf/year)	Base Revenue Requirement	Base Rate	Adjusted Usage	Reduction	Stage Usage
Residential						
Low Volume Use	4,568,250	\$10,278,563	\$2.25	4,568,250	0%	4,568,250
Conservation Base Use	2,808,746	\$7,724,052	\$2.75	0	0%	0
Inefficient Use	317,672	\$1,378,696	\$4.34	0	100%	0
Excessive Use	600,179	\$3,757,117	\$6.26	3,726,597	100%	0
	8,294,847	\$23,138,429		8,294,847		4,568,250
Irrigation						
Conservation Base Use	1,292,809	\$3,658,649	\$2.83	0	0%	0
Inefficient Use	192,767	\$871,305	\$4.52	0	100%	0
Excessive Use	417,621	\$2,856,530	\$6.84	1,903,197	100%	0
	1,903,197	\$7,386,485		1,903,197		0
Others (Non-Water Budget)						
Commercial	520,496	\$1,431,364	\$2.75	520,496	0%	520,496
Institutional	71,751	\$197,315	\$2.75	71,751	0%	71,751
Hydrant	115,529	\$615,770	\$5.33	115,529	50%	57,768
	707,776	\$2,244,449		707,776		650,015
Inter-Agency						
Block 1	107,926	\$260,102	\$2.41	107,926	0%	107,926
Block 2	25,026	\$97,852	\$3.91	25,026	30%	17,518
Block 3	12,944	\$64,979	\$5.02	12,944	30%	9,061
	145,896	\$422,932		145,896		134,505

Stage 5c	Reduction	50%		Uniform %	79%
Customer Class	Stage Usage	Net Rev Impact	Avoided Costs	Weighted Sales	Surcharge
Residential					
Low Volume Use	4,568,250	\$0	\$0	4,568,250	\$ 1.78
Conservation Base Use	0	\$3,230,058	\$4,493,994	0	\$ 2.18
Inefficient Use	0	\$625,814	\$752,882	0	\$ 3.44
Excessive Use	0	\$2,130,634	\$1,626,484	0	\$ 4.96
	4,568,250	\$5,986,505	\$6,873,360		
Irrigation					
Conservation Base Use	0	\$1,590,155	\$2,068,494	0	\$ 2.24
Inefficient Use	0	\$414,448	\$456,857	0	\$ 3.58
Excessive Use	0	\$1,724,776	\$1,131,754	0	\$ 5.42
	0	\$3,729,380	\$3,657,105		
Others (Non-Water Budget)					
Commercial	520,496	\$0	\$0	636,162	\$ 2.17
Institutional	71,751	\$0	\$0	87,696	\$ 2.17
Hydrant	57,768	\$170,971	\$136,893	136,847	\$ 4.20
	650,015	\$170,971	\$136,893		
Inter-Agency					
Block 1	107,926	\$0	\$0	115,601	\$ 1.90
Block 2	17,518	\$11,562	\$17,793	30,443	\$ 3.08
Block 3	9,061	\$8,970	\$10,523	20,216	\$ 3.96
	134,505	\$20,532	\$28,317		

Attachment 3: Urban Water Supplier Monthly Water Conservation Report Example

From: [SWRCB Office Research, Planning & Performance](#)
To: [Water Resources](#)
Subject: Monitoring Report Acknowledgement for May 2020
Date: Thursday, June 11, 2020 8:33:14 AM

[*External E-mail alert! Use caution before clicking links/attachments*]

Hello Jesus Gastelum

Thank you for your Monitoring Report. Below is the information you have submitted for the month of May 2020. If this information is incorrect, you can edit the report or re-submit your report for the month with the corrected information. We use your most recently submitted monthly report in our calculations.

Reporter	Jesus Gastelum
Urban Water Supplier(Number)	Elsinore Valley Municipal Water District (325)
Reporting Month	0520
Stage/Mandatory	Stage 2 Yes
Days Outside Irrigation	4
Total Potable Water Production	2208.8 AF
2013 Same Month Production	2482.4 AF
CII Water	224.4 AF
Commercial Agricultural Water	AF
Commercial Agricultural Water 2013	AF
Recycled Water	554.9 AF
Non-revenue Water	AF
Residential Use Percentage	83 %
Population	157473
Estimated R-GPCD	121.8
Number Complaints	0
Number Follow-ups	0

Number Warnings	0
Rate Penalties	0
Other Penalties	0
Enforcement Actions	
Actions Taken	Raised rates,Restricted allowed outdoor irrigation times
Implementation Comments	In response to the recent supply conditions combined with significant saving efforts by customers, EVMWD adopted moving from Stage 3a to Stage 2 on March 9, 2017, while maintaining water efficiency standards. EVMWD invested \$10 million of its reserve funds to expand its local water supply options, and implementing integrated resources planning to improve water supply reliability under drought conditions. Stage 2 Prohibitions: •Watering during or 48 hours after a rain even, on windy days. •Watering more than 4 days per week. •Adding water to an uncovered pool. •Washing down sidewalks or driveways. Stage 2 Guidelines for outdoor water use and irrigation for residential and commercial: •Water between 6 pm & 6 am. •Adjust sprinklers to avoid overspray, and fix leaks to reduce irrigation waste. •Hotels provide option to not have towels and linens laundered daily. •Restaurants only serve water by customer request.
Qualification	

To edit your report click [HERE](#) (After logging in, select the report to edit, click on “Edit”, make your corrections, and click on “Update” when finished)

State Water Resources Control Board Office of Research, Planning & Performance

Attachment 4: WSCP 60-day and Public Hearing Notices

ELSINORE VALLEY MUNICIPAL WATER DISTRICT (EVMWD)
PUBLIC HEARING NOTICE
2020 URBAN WATER MANAGEMENT PLAN, WATER SHORTAGE
CONTINGENCY PLAN, AND ADDENDUM TO THE 2015 URBAN WATER
MANAGEMENT PLAN

The Elsinore Valley Municipal Water District (“EVMWD”) is currently involved in a review and update process to prepare its 2020 Urban Water Management Plan (“UWMP”) per the California Urban Water Management Planning Act and the Water Conservation Act of 2009, commonly referred to as SBX7-7. An update of EVMWD’s UWMP is required every five (5) years. The 2020 UWMP Update will reflect the growth that has occurred since the adoption of the 2015 UWMP, EVMWD’s plan to reliably meet the water needs within its service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond, and compliance with the SB X7-7 2020. In addition, EVMWD prepared the Draft 2021 Water Shortage Contingency Plan (“WSCP”) to document EVMWD’s plans to manage and mitigate an actual water shortage condition, should one occur because of drought or other impacts on water supplies. The Draft Addendum to the 2015 UWMP is a requirement of the Delta Plan for agencies that receive water from the Sacramento–San Joaquin Delta (Delta) to demonstrate consistency with the Delta Plan policy to reduce reliance on the Delta through improved regional water self-reliance.

Notice is hereby given that on **June 10, 2021**, at **4:00 P.M.**, the EVMWD Board of Directors will conduct a virtual public hearing to receive public comments and consider adoption of the Draft 2020 UWMP, Draft 2021 WSCP, and Draft 2015 UWMP Addendum. Following the public hearing, the EVMWD Board of Directors may adopt the Draft 2020 UWMP, Draft 2021 WSCP, and Draft 2015 UWMP Addendum with the recommended modifications as a result of public input.

The agenda and access information for the **June 10, 2021**, EVMWD Board Meeting will be posted to EVMWD’s website at least 72 hours before the Public Hearing at <https://www.evmwd.com/board-of-directors/agendas-and-packets>. Copies of the Draft 2020 UWMP, Draft 2021 WSCP, and Draft 2015 UWMP Addendum will be available for public review beginning on **May 21, 2021**, and can be downloaded at <https://www.evmwd.com/>. All comments must be received by **June 10, 2021**, or delivered verbally at the above said meeting. Provide any written comments to:

Send Comments To: Elsinore Valley Municipal Water District
31315 Chaney Street
Lake Elsinore, CA 92530
Attn: Jesus Gastelum

If you have any questions, comments, or input, please contact Jesus Gastelum, Senior Water Resources Planner Engineer, via e-mail at jgastelum@evmwd.net or by phone at (951) 674-3146 ext. 8399.

Nothing below this line is to be published. Notes only.

For Publication May 25 and June 1, 2021

(Guidelines for publication)

6066. Publication of notice pursuant to this section shall be once a week for two successive weeks. Two publications in a newspaper published once a week or oftener, with at least five days intervening between the respective publication dates not counting such publication dates, are sufficient. The period of notice commences upon the first day of publication and terminates at the end of the fourteenth day, including therein the first day.

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The Press Enterprise

05/20/21 10:46:11AM

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Page 3

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District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

Our Mission...

EVMWD will provide reliable, cost-effective, high quality water and wastewater services that are dedicated to the people we serve.

3/26/2021

Chris Mann
City Manager
City of Canyon Lake
31516 Railroad Canyon Road
Canyon Lake, CA 92587
chrismann@cityofcanyonlake.com

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

Dear Chris Mann,

The Elsinore Valley Municipal Water District (EVMWD) is in the process of preparing and updating its 2020 Urban Water Management Plan (UWMP) in compliance with the Urban Water Management Planning Act and the Water Conservation Act of 2009, commonly referred to as SBX7-7. An update of EVMWD's UWMP is required every five (5) years. The 2020 UWMP Update will reflect the growth that has occurred since the adoption of the 2015 UWMP, forecasted growth within EVMWD's service area, and EVMWD's plan to reliably meet the water needs within its service area, and compliance with the SB X7-7 2020.

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Water Code section 10621(b) requires an urban water supplier updating its UWMP to notify cities and counties within its service area of the update at least sixty (60) days prior to holding a public hearing. This letter serves as EVMWD's official notice of preparation and intent to adopt the UWMP, WSCP, and 2015 UWMP Addendum before the July 1, 2021 deadline.

A copy of EVMWD's draft 2020 UWMP, WSCP, and 2015 UWMP Addendum will be available for review on the EVMWD's website in spring of 2021, and EVMWD will subsequently hold a noticed public hearing on the 2020 UWMP, WSCP, and 2015 UWMP Addendum in advance of its proposed adoption. EVMWD invites you to submit comments and consult with EVMWD regarding these plans.

The EVMWD's website (www.evmwd.com) will give updates on the 2020 UWMP and WSCP. If you have any questions, comments, or input, please contact Jesus Gastelum, Senior Water Resources Planner Engineer, via email at jgastelum@evmwd.net or by phone at (951) 674-3146 ext. 8201.

Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

Board of Directors
Phil Williams, President
Darcy M. Burke, Vice President
Harvey R. Ryan, Treasurer
Andy Morris, Director
Jared K. McBride, Director



Elsinore Valley Municipal Water District

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General Manager
Greg Thomas
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

May 18, 2021

SENT VIA E-MAIL

Chris Mann
City Manager
City of Canyon Lake
31516 Railroad Canyon Road
Canyon Lake, CA 92587
chrismann@cityofcanyonlake.com

SUBJECT: ELSINORE VALLEY MUNICIPAL WATER DISTRICT PUBLIC HEARING NOTICE; 2020 URBAN WATER MANAGEMENT PLAN, WATER SHORTAGE CONTINGENCY PLAN, AND ADDENDUM TO THE 2015 URBAN WATER MANAGEMENT PLAN

Dear Chris Mann,

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This letter serves as EVMWD’s official notice of public hearing for the 2020 UWMP, 2021 WSCP, and 2015 UWMP Addendum pursuant to Water Code section 10621(b).

The public hearing is intended to provide the public and public agencies the opportunity to comment on the Draft 2020 UWMP, 2021 WSCP, and 2015 UWMP Addendum before adopting these documents. The public hearing is scheduled to be held on **June 10, 2021**, at **4:00 PM** at the following address:

Public Hearing Location: Elsinore Valley Municipal Water District (EVMWD)
Lake Elsinore, CA 92530
Please note: Due to State Mandates, virtual attendance of the Public Hearing may be required. In such case, participation information will be provided on the Agenda for the **June 10, 2021**, EVMWD Board Meeting, which will be posted to EVMWD's website at least 72 hours before the Public Hearing, at: <https://www.evmwd.com/board-of-directors/agendas-and-packets>.

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Attn: Jesus Gastelum

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Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

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Darcy M. Burke, Vice President
Harvey R. Ryan, Treasurer
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General Manager
Greg Thomas
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

3/26/2021

Katie Hockett
Assistant General Manager
City of Corona
755 Public Safety Way
Corona, CA 92880
Katie.Hockett@CoronaCA.gov

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

Dear Katie Hockett,

The Elsinore Valley Municipal Water District (EVMWD) is in the process of preparing and updating its 2020 Urban Water Management Plan (UWMP) in compliance with the Urban Water Management Planning Act and the Water Conservation Act of 2009, commonly referred to as SBX7-7. An update of EVMWD's UWMP is required every five (5) years. The 2020 UWMP Update will reflect the growth that has occurred since the adoption of the 2015 UWMP, forecasted growth within EVMWD's service area, and EVMWD's plan to reliably meet the water needs within its service area, and compliance with the SB X7-7 2020.

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Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

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Greg Thomas
District Secretary
Terese Quintanar
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May 18, 2021

SENT VIA E-MAIL

Katie Hockett
Assistant General Manager
City of Corona
755 Public Safety Way
Corona, CA 92880
Katie.Hockett@CoronaCA.gov

SUBJECT: ELSINORE VALLEY MUNICIPAL WATER DISTRICT PUBLIC HEARING NOTICE; 2020 URBAN WATER MANAGEMENT PLAN, WATER SHORTAGE CONTINGENCY PLAN, AND ADDENDUM TO THE 2015 URBAN WATER MANAGEMENT PLAN

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Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

Board of Directors

Phil Williams, President
Darcy M. Burke, Vice President
Harvey R. Ryan, Treasurer
Andy Morris, Director
Jared K. McBride, Director



General Manager
Greg Thomas
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

Our Mission...

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3/26/2021

Nicole Dailey
Assistant to the City Manager
City of Lake Elsinore
130 South Main St.
Lake Elsinore, CA 92530
ndailey@lake-elsinore.org

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

Dear Nicole Dailey,

The Elsinore Valley Municipal Water District (EVMWD) is in the process of preparing and updating its 2020 Urban Water Management Plan (UWMP) in compliance with the Urban Water Management Planning Act and the Water Conservation Act of 2009, commonly referred to as SBX7-7. An update of EVMWD's UWMP is required every five (5) years. The 2020 UWMP Update will reflect the growth that has occurred since the adoption of the 2015 UWMP, forecasted growth within EVMWD's service area, and EVMWD's plan to reliably meet the water needs within its service area, and compliance with the SB X7-7 2020.

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Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

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May 18, 2021

SENT VIA E-MAIL

Nicole Dailey
Assistant to the City Manager
City of Lake Elsinore
130 South Main St.
Lake Elsinore, CA 92530
ndailey@lake-elsinore.org

SUBJECT: ELSINORE VALLEY MUNICIPAL WATER DISTRICT PUBLIC HEARING NOTICE; 2020 URBAN WATER MANAGEMENT PLAN, WATER SHORTAGE CONTINGENCY PLAN, AND ADDENDUM TO THE 2015 URBAN WATER MANAGEMENT PLAN

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Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

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Best Best & Krieger

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3/26/2021

Jarrett Ramaiya
City Planner
City of Murrieta
1 Town Square
Murrieta, CA 92562
jramaiya@MurrietaCA.gov

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

Dear Jarrett Ramaiya,

The Elsinore Valley Municipal Water District (EVMWD) is in the process of preparing and updating its 2020 Urban Water Management Plan (UWMP) in compliance with the Urban Water Management Planning Act and the Water Conservation Act of 2009, commonly referred to as SBX7-7. An update of EVMWD's UWMP is required every five (5) years. The 2020 UWMP Update will reflect the growth that has occurred since the adoption of the 2015 UWMP, forecasted growth within EVMWD's service area, and EVMWD's plan to reliably meet the water needs within its service area, and compliance with the SB X7-7 2020.

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Sincerely,

A handwritten signature in black ink, appearing to read "Parag Kalaria". The signature is written in a cursive style and is underlined.

Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

Board of Directors
Phil Williams, President
Darcy M. Burke, Vice President
Harvey R. Ryan, Treasurer
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Elsinore Valley Municipal Water District

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General Manager
Greg Thomas
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

May 18, 2021

SENT VIA E-MAIL

Jarrett Ramaiya
City Planner
City of Murrieta
1 Town Square
Murrieta, CA 92562
jramaiya@MurrietaCA.gov

SUBJECT: ELSINORE VALLEY MUNICIPAL WATER DISTRICT PUBLIC HEARING NOTICE; 2020 URBAN WATER MANAGEMENT PLAN, WATER SHORTAGE CONTINGENCY PLAN, AND ADDENDUM TO THE 2015 URBAN WATER MANAGEMENT PLAN

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The public hearing is intended to provide the public and public agencies the opportunity to comment on the Draft 2020 UWMP, 2021 WSCP, and 2015 UWMP Addendum before adopting these documents. The public hearing is scheduled to be held on **June 10, 2021**, at **4:00 PM** at the following address:

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Lake Elsinore, CA 92530
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Send Comments To: Elsinore Valley Municipal Water District
31315 Chaney Street
Lake Elsinore, CA 92530
Attn: Jesus Gastelum

Thank you for your cooperation and involvement in the EVMWD's UWMP, 2021 WSCP, and 2015 Addendum process. If you have any questions, comments, or input, please contact Jesus Gastelum, Senior Water Resources Planner Engineer, via e-mail at kgastelum@evmwd.net or by phone at (951) 674-3146 ext. 8399.

Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

Board of Directors

Phil Williams, President
Darcy M. Burke, Vice President
Harvey R. Ryan, Treasurer
Andy Morris, Director
Jared K. McBride, Director



General Manager
Greg Thomas
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

Our Mission...

EVMWD will provide reliable, cost-effective, high quality water and wastewater services that are dedicated to the people we serve.

3/26/2021

Gary Nordquist
City Manager
City of Wildomar
23873 Clinton Keith Rd. Ste 201
Wildomar, CA 92595
gnordquist@cityofwildomar.org

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

Dear Gary Nordquist,

The Elsinore Valley Municipal Water District (EVMWD) is in the process of preparing and updating its 2020 Urban Water Management Plan (UWMP) in compliance with the Urban Water Management Planning Act and the Water Conservation Act of 2009, commonly referred to as SBX7-7. An update of EVMWD's UWMP is required every five (5) years. The 2020 UWMP Update will reflect the growth that has occurred since the adoption of the 2015 UWMP, forecasted growth within EVMWD's service area, and EVMWD's plan to reliably meet the water needs within its service area, and compliance with the SB X7-7 2020.

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Water Code section 10621(b) requires an urban water supplier updating its UWMP to notify cities and counties within its service area of the update at least sixty (60) days prior to holding a public hearing. This letter serves as EVMWD's official notice of preparation and intent to adopt the UWMP, WSCP, and 2015 UWMP Addendum before the July 1, 2021 deadline.

A copy of EVMWD's draft 2020 UWMP, WSCP, and 2015 UWMP Addendum will be available for review on the EVMWD's website in spring of 2021, and EVMWD will subsequently hold a noticed public hearing on the 2020 UWMP, WSCP, and 2015 UWMP Addendum in advance of its proposed adoption. EVMWD invites you to submit comments and consult with EVMWD regarding these plans.

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Water Resources Manager
Elsinore Valley Municipal Water District

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Elsinore Valley Municipal Water District

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General Manager
Greg Thomas
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

May 18, 2021

SENT VIA E-MAIL

Gary Nordquist
City Manager
City of Wildomar
23873 Clinton Keith Rd, Ste 201
Wildomar, CA 92595
gnordquist@cityofwildomar.org

SUBJECT: ELSINORE VALLEY MUNICIPAL WATER DISTRICT PUBLIC HEARING NOTICE; 2020 URBAN WATER MANAGEMENT PLAN, WATER SHORTAGE CONTINGENCY PLAN, AND ADDENDUM TO THE 2015 URBAN WATER MANAGEMENT PLAN

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Water Resources Manager
Elsinore Valley Municipal Water District

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3/26/2021

Steve Weiss, AICP
Planning Director
Riverside County Planning Department
4080 Lemon Street 12th Floor
Riverside, CA 92502-1409
planning@rivco.org

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

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Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

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Water Resources Manager
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3/26/2021

Jason Uhley
General Manager
Riverside County Flood Control and Water Conservation District
1995 Market Street
Riverside, CA 92501
juhley@rivco.org

2020 URBAN WATER MANAGEMENT PLAN UPDATE NOTIFICATION

Dear Jason Uhley,

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Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

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May 18, 2021

SENT VIA E-MAIL

Jason Uhley
General Manager
Riverside County Flood Control and Water Conservation District
1995 Market Street
Riverside, CA 92501
juhley@rivco.org

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Sincerely,



Parag Kalaria, P.E., PMP
Water Resources Manager
Elsinore Valley Municipal Water District

Attachment 5: WSCP Adoption Resolution

RESOLUTION NO. 21-06-03

RESOLUTION OF THE BOARD OF DIRECTORS
OF ELSINORE VALLEY MUNICIPAL WATER
DISTRICT ADOPTING WATER SHORTAGE
CONTINGENCY PLAN (WSCP)

WHEREAS, the California Legislature enacted Assembly Bill 797 during the 1983-94 Regular Session of the California Legislature (Water Code Section 10610 et. seq.) known as the Urban Water Management Planning Act, which mandates that every urban supplier of water providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually, prepare and adopt, in accordance with prescribed requirements, a water shortage contingency plan (WSCP); and

WHEREAS, the Act specifies the requirements and procedures for adopting such Water Shortage Contingency Plans; and

WHEREAS, Elsinore Valley Municipal Water District is an urban supplier of water providing to over 46,500 connections, meets the definition of an urban water supplier for purposes of the act, and has therefore, prepared and circulated for public review a Draft Water Shortage Contingency Plan to manage and mitigate an actual water shortage condition, should one occur because of drought or other impacts on water supplies; and

WHEREAS, a properly noticed public hearing regarding said Draft WSCP was held by the Board of Directors of Elsinore Valley Municipal Water District on June 10, 2021;

NOW, THEREFORE BE IT RESOLVED, by the Board of Directors of the Elsinore Valley Municipal Water District as follows:

1. The Water Shortage Contingency Plan is hereby adopted;
2. The General Manager is hereby authorized and directed to submit the Plan to the California Department of Water before July 1, 2021, in accordance with AB 797;

APPROVED, ADOPTED AND SIGNED this 10th day of June, 2021.



Phil Williams, President of the
Board of Directors of the
Elsinore Valley Municipal Water District

ATTEST:



Terese Quintanar, Secretary to the
Board of Directors of the
Elsinore Valley Municipal Water District

