

J

2020 IRUWMP Part 4 West Valley Water District Appendix J



J-1: UWMP Compliance Checklist

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
Chapter 1	10615	A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities.	Introduction and Overview	Part 2 Chapter 10 Part 1 Chapter 3
Chapter 1	10630.5	Each plan shall include a simple description of the supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information. Additionally, a supplier may also choose to include a simple description at the beginning of each chapter.	Summary	Part 2 Chapter 10 Executive Summary
Section 2.2	10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Part 2 Chapter 10
Section 2.6	10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Part 1 Chapter 1
Section 2.6.2	10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan Preparation	Part 4 Appendix J-2
Section 2.6, Section 6.1	10631(h)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) - if any - with water use projections from that source.	System Supplies	Part 1 Chapter 5
Section 2.6	10631(h)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	N/A
Section 3.1	10631(a)	Describe the water supplier service area.	System Description	Part 2 Chapter 10 Section 1

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Section 3.3	10631(a)	Describe the climate of the service area of the supplier.	System Description	Part 1 Chapter 2
Section 3.4	10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Part 2 Chapter 10 Section 1.1
Section 3.4.2	10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Part 1 Chapter 2
Sections 3.4 and 5.4	10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Part 2 Chapter 10 Section 1.1
Section 3.5	10631(a)	Describe the land uses within the service area.	System Description	Part 3 Chapter 3 Section 1.2
Section 4.2	10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Part 2 Chapter 10 Section 2
Section 4.2.4	10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Part 2 Chapter 10 Section 2.1.2
Section 4.2.6	10631(d)(4)(A)	In projected water use, include estimates of water savings from adopted codes, plans and other policies or laws.	System Water Use	Part 2 Chapter 10 Section 2.2.1
Section 4.2.6	10631(d)(4)(B)	Provide citations of codes, standards, ordinances, or plans used to make water use projections.	System Water Use	Part 2 Chapter 10 Section 2.2
Section 4.3.2.4	10631(d)(3)(A)	Report the distribution system water loss for each of the 5 years preceding the plan update.	System Water Use	Part 2 Chapter 10 Section 2.1.2
Section 4.4	10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Part 2 Chapter 10 Section 2.3
Section 4.5	10635(b)	Demands under climate change considerations must be included as part of the drought risk assessment.	System Water Use	Part 2 Chapter 10 Section 2.4 Part 1 Chapter 5
Chapter 5	10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Part 2 Chapter 10 Section 3

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
Chapter 5	10608.24(a)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Part 2 Chapter 10 Section 3.2
Section 5.1	10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	N/A
Section 5.2	10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	N/A
Section 5.5	10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Part 4 Appendix J-7
Section 5.5 and Appendix E	10608.4	Retail suppliers shall report on their compliance in meeting their water use targets. The data shall be reported using a standardized form in the SBX7-7 2020 Compliance Form.	Baselines and Targets	Part 4 Appendix J-7
Sections 6.1 and 6.2	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought.	System Supplies	Part 2 Chapter 10 Section 4 Part 2 Chapter 10 Section 5.3 Part 1 Chapter 5
Sections 6.1	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought, <i>including changes in supply due to climate change.</i>	System Supplies	Part 2 Chapter 10 Section 5.3 Part 1 Chapter 5
Section 6.1	10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System Supplies	Part 2 Chapter 10 Section 4 Part 1 Chapter 3
Section 6.1.1	10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Part 2 Chapter 10 Section 4.6.2 Part 1 Chapter 3

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Section 6.2.8	10631(b)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030, 2035, 2040 and optionally 2045.	System Supplies	Part 2 Chapter 10 Section 4.7 Part 1 Chapter 5
Section 6.2	10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Part 2 Chapter 10 Section 4.2
Section 6.2.2	10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Part 2 Chapter 10 Section 4.2 Part 1 Chapter 3
Section 6.2.2	10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Part 2 Chapter 10 Section 4.2 Part 1 Chapter 3
Section 6.2.2	10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Part 1 Chapter 3 Part 3 Appendix A
Section 6.2.2.1	10631(b)(4)(B)	For unadjudicated basins, indicate whether or not the department has identified the basin as a high or medium priority. Describe efforts by the supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	System Supplies	Part 1 Chapter 3
Section 6.2.2.4	10631(b)(4)(C)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Part 2 Chapter 10 Section 4.2
Section 6.2.2	10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Part 2 Chapter 10 Section 4.7
Section 6.2.7	10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Part 2 Chapter 10 Section 4.6
Section 6.2.5	10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Part 2 Chapter 10 Section 4.5

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Section 6.2.5	10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Part 2 Chapter 10 Section 4.5.1
Section 6.2.5	10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Part 2 Chapter 10 Section 4.5 Part 1 Chapter 3
Section 6.2.5	10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Part 2 Chapter 10 Section 4.5 Part 1 Chapter 3
Section 6.2.5	10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Part 1 Chapter 3
Section 6.2.5	10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Part 1 Chapter 3
Section 6.2.6	10631(g)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Part 1 Chapter 3 Section 7
Section 6.2.5	10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area with quantified amount of collection and treatment and the disposal methods.	System Supplies (Recycled Water)	Part 2 Chapter 10 Section 4.5
Section 6.2.8, Section 6.3.7	10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and for a period of drought lasting 5 consecutive water years.	System Supplies	Part 2 Chapter 10 Section 4.6.2 Part 1 Chapter 7 Part 1 Chapter 3 Part 3 Appendix G
Section 6.4 and Appendix O	10631.2(a)	The UWMP must include energy information, as stated in the code, that a supplier can readily obtain.	System Suppliers, Energy Intensity	Part 2 Chapter 10 Section 4.8 Part 4 Appendix J-6
Section 7.2	10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 4 Part 1 Chapter 3

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
		affects water management strategies and supply reliability		
Section 7.2.4	10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Part 1 Chapter 3
Section 7.3	10635(a)	Service Reliability Assessment: Assess the water supply reliability during normal, dry, and a drought lasting five consecutive water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 5.3 Part 1 Chapter 5
Section 7.3	10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 6
Section 7.3	10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts 5 consecutive years.	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 6 Part 1 Chapter 5
Section 7.3	10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 6 Part 1 Chapter 5
Section 7.3	10635(b)(3)	Include a comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 6 Part 1 Chapter 5
Section 7.3	10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Part 2 Chapter 10 Section 5.1 Part 1 Chapter 5
Chapter 8	10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Part 4 Appendix J-9
Chapter 8	10632(a)(1)	Provide the analysis of water supply reliability (from Chapter 7 of Guidebook) in the WSCP	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 1.0

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Section 8.10	10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the water shortage contingency plan to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 10.0
Section 8.2	10632(a)(2)(A)	Provide the written decision-making process and other methods that the supplier will use each year to determine its water reliability.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 2.0
Section 8.2	10632(a)(2)(B)	Provide data and methodology to evaluate the supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 2.0
Section 8.3	10632(a)(3)(A)	Define six standard water shortage levels of 10, 20, 30, 40, 50 percent shortage and greater than 50 percent shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 3.0
Section 8.3	10632(a)(3)(B)	Suppliers with an existing water shortage contingency plan that uses different water shortage levels must cross reference their categories with the six standard categories.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 3.0
Section 8.4	10632(a)(4)(A)	Suppliers with water shortage contingency plans that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 4.1
Section 8.4	10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 4.2
Section 8.4	10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 4.3
Section 8.4	10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 4.3

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		to state-mandated prohibitions are appropriate to local conditions.		
Section 8.4	10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 4.6
Section 8.4.6	10632.5	The plan shall include a seismic risk assessment and mitigation plan.	Water Shortage Contingency Plan	Part 4 Appendix J-9 Section 4.4&4.5
Section 8.5	10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 5.0
Section 8.5 and 8.6	10632(a)(5)(B) 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 5.0
Section 8.6	10632(a)(6)	Retail supplier must describe how it will ensure compliance with and enforce provisions of the WSCP.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 6.0
Section 8.7	10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 7.0
Section 8.7	10632(a)(7)(B)	Provide a statement that the supplier will declare a water shortage emergency Water Code Chapter 3.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 7.1
Section 8.7	10632(a)(7)(C)	Provide a statement that the supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 7.2
Section 8.8	10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 8.0
Section 8.8	10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 8.0
Section 8.8	10632(a)(8)(C)	Retail suppliers must describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 8.0

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
Section 8.9	10632(a)(9)	Retail suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 9.0
Section 8.11	10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 4.0
Sections 8.12 and 10.4	10635(c)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 30 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Part 4 Appendix J-9 Section 11.0
Section 8.14	10632(c)	Make available the Water Shortage Contingency Plan to customers and any city or county where it provides water within 30 after adopted the plan.	Water Shortage Contingency Planning	Part 4 Appendix J-9 Section 11.0
Sections 9.1 and 9.3	10631(e)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	N/A
Sections 9.2 and 9.3	10631(e)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Part 2 Chapter 10 Section 8
Chapter 10	10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets (recommended to discuss compliance).	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.2.1	10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9 Part 4 Appendix J-6 DWR Tables

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
		changes to the plan. Reported in Table 10-1.		
Section 10.4	10621(f)	Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Sections 10.2.2, 10.3, and 10.5	10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan and contingency plan.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9 Part 4 Appendix J-2 Public Outreach
Section 10.2.2	10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.3.2	10642	Provide supporting documentation that the plan and contingency plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.4	10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.4	10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Sections 10.4.1 and 10.4.2	10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.5	10645(a)	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.5	10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its water shortage contingency plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
Section 10.6	10621(c)	If supplier is regulated by the Public Utilities Commission, include its plan and contingency plan as part of its general rate case filings.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9
Section 10.7.2	10644(b)	If revised, submit a copy of the water shortage contingency plan to DWR within 30 days of adoption.	Plan Adoption, Submittal, and Implementation	Part 2 Chapter 10 Section 9

J-2: Public Outreach

March 23, 2021

Delivered via Email

Subject: 2020 Integrated Regional Urban Water Management Plan for the Upper Santa Ana River Watershed

Dear Regional Stakeholder:

Notice is hereby given that the San Bernardino Valley Municipal Water District (Valley District) and its partners (Participating Agencies) are in the process of preparing the 2020 Upper Santa Ana River Watershed Integrated Regional Urban Water Management Plan (2020 IRUWMP). The 2020 IRUWMP updates and merges the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan (2015 IRWMP) and the 2015 San Bernardino Valley Regional Urban Water Management Plan (2015 RUWMP) into a single comprehensive document for guiding water resource management for the Upper Santa Ana River Watershed, the first of its kind in California.

The 2020 IRUWMP is being developed in compliance with the Urban Water Management Planning Act, the Integrated Regional Water Management Planning Act, and other applicable laws and regulations. All of the agencies participating in the development of the 2020 IRUWMP are listed in the table on the following page, along with an indication of whether the 2020 IRUWMP serves as that agency's 2020 UWMP.

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 notice that the Participating Agencies that are using the 2020 IRUWMP as their 2020 Urban Water Management Plan (referred to hereafter as Participating UWMP Agencies), plan to adopt and submit the 2020 IRUWMP to the California Department of Water Resources by the July 1, 2021 deadline. The Participating UWMP Agencies will also be adopting their respective updated Water Shortage Contingency Plans (WSCPs) as part of the 2020 IRUWMP.

A draft of the 2020 IRUWMP, which will include the WSCPs for each of the Participating UWMP Agencies, will be available for public review on the Participating UWMP Agencies websites starting in May 2021 and each one will hold an individual public hearing on their respective chapters of the 2020 IRUWMP and WSCP, in advance of their adoption in May or June 2021. The public hearings will be noticed and announced by each Participating UWMP Agency's public meeting agenda; each agency's web site address is shown in the table on the following page.

Board of Directors and Officers

JUNE HAYES
Division 1

GIL J. BOTELLO
Division 2

SUSAN LONGVILLE
Division 3

T. MILFORD HARRISON
Division 4

PAUL R. KIELHOLD
Division 5

HEATHER P. DYER
General Manager

Participating Agency	2020 IRUWMP serves as Agency 2020 UWMP?	Agency Website
Big Bear City Community Services District	No	www.bbccsd.org
City of Big Bear Lake Department of Water	No	www.bbldwp.com
City of Colton	Yes	www.ci.colton.ca.us
City of Loma Linda	Yes	www.lomalinda-ca.gov
City of Redlands	Yes	www.cityofredlands.org
City of Rialto	Yes	www.rialtoca.gov
City of San Bernardino Municipal Water Department	Yes	www.sbmwd.org
East Valley Water District	Yes	www.eastvalley.org
Elsinore Valley Municipal Water District	No	www.evmwd.com
Fontana Water Company	No	www.fontanawater.com
Riverside Highland Water Company	Yes	www.rhwco.com
Riverside Public Utilities	No	www.riversideca.gov/utilities
San Bernardino County Flood Control District	UWMP not required	cms.sbcounty.gov/dpw
San Bernardino Valley Municipal Water District	Yes	www.sbvmd.com
San Bernardino Valley Water Conservation District	UWMP not required	www.sbvwd.org
San Geronio Pass Water Agency	No	www.sgpwa.com
South Mesa Water Company	Yes	southmesawater.com
West Valley Water District	Yes	www.wvwd.org
Western Municipal Water District	No	www.wmwd.com
Yucaipa Valley Water District	Yes; separate notice also provided	www.yvwd.dst.ca.us

Valley District and our regional partners invite you to submit comments and consult with Valley District or any of the agencies regarding the preparation of the 2020 IRUWMP. If you have any input for the 2020 IRUWMP or require additional information, please contact me directly at (909) 387-9230 or by email at matth@sbvmwd.com.

Sincerely,

Matthew Howard

Matthew Howard
Water Resources Senior Project Manager
San Bernardino Valley Municipal Water District

June 1, 2021

Delivered via Email

Subject: Notice of Public Hearings for the 2020 Integrated Regional Urban Water Management Plan for the Upper Santa Ana River Watershed

Dear Regional Stakeholder:

Notice is hereby given that the San Bernardino Valley Municipal Water District (Valley District) and its partners (Participating Agencies) are in the process of preparing the 2020 Upper Santa Ana River Watershed Integrated Regional Urban Water Management Plan (2020 IRUWMP). The 2020 IRUWMP updates and merges the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan (2015 IRWMP) and the 2015 San Bernardino Valley Regional Urban Water Management Plan (2015 RUWMP) into a single comprehensive document for guiding water resource management for the Upper Santa Ana River Watershed, the first of its kind in California. The 2020 IRUWMP is being developed in compliance with the Urban Water Management Planning Act, the Integrated Regional Water Management Planning Act, and other applicable laws and regulations.

This letter serves as notice that the Participating Agencies that are using the 2020 IRUWMP as their 2020 Urban Water Management Plan (referred to hereafter as Participating UWMP Agencies), plan to adopt and submit their respective portions of the 2020 IRUWMP to the California Department of Water Resources by the July 1, 2021 deadline. The Participating UWMP Agencies will also be adopting their respective updated Water Shortage Contingency Plans (WSCPs) as part of the 2020 IRUWMP.

A draft of the 2020 IRUWMP, which includes the WSCPs for each of the Participating UWMP Agencies, is available for review at www.IRUWMP2020.com and on the websites of each Participating UWMP Agency.

Each Participating UWMP Agency will hold an individual public hearing on their respective portions of the 2020 IRUWMP and their WSCP, in advance of their adoption. The dates, times and locations of the public hearings are shown in the table on the following page.

Board of Directors and Officers

JUNE HAYES
Division 1

GIL J. BOTELLO
Division 2

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Division 3

T. MILFORD HARRISON
Division 4

PAUL R. KIELHOLD
Division 5

HEATHER P. DYER
General Manager

Participating UWMP Agency	Agency Website	Public Hearing Date and Time	Public Hearing Location
City of Colton	www.ci.colton.ca.us	June 15, 2021 at 6 pm	Virtual (see website for access information)
City of Loma Linda	www.lomalinda-ca.gov	June 29, 2021 at 7 pm	25541 Barton Road Loma Linda, California
City of Redlands	www.cityofredlands.org	June 15, 2021 at 6 pm	City Council Chambers 35 Cajon Street Redlands, California
City of Rialto	www.rialto.ca.gov	June 22, 2021 at 6:30 pm	150 S. Palm Ave Rialto, California and virtual (see website for access information)
City of San Bernardino Municipal Water Department	www.sbmwd.org	June 22, 2021 at 9:30 am	Virtual (see website for access information)
East Valley Water District	www.eastvalley.org	June 23, 2021 at 5:30 pm	Virtual (see website for access information)
Riverside Highland Water Company	www.rhwco.com	June 24, 2021 at 9 am	Virtual (see website for access information)
San Bernardino Valley Municipal Water District	www.sbvmd.com	June 15, 2021 at 2 pm	Virtual (see website for access information)
South Mesa Water Company	southmesawater.com	June 18, 2021 at 9am	391 W. Avenue L Calimesa, California
West Valley Water District	www.wvwd.org	June 17, 2021 at 7 pm	Virtual (see website for access information)
Yucaipa Valley Water District	www.yvwd.dst.ca.us	June 22, 2021 at 4 pm	Virtual (see website for access information)

Valley District and our regional partners invite you to submit comments and consult with Valley District or any of the agencies regarding the preparation of the 2020 IRUWMP. If you have any input for the 2020 IRUWMP or require additional information, please contact me directly at (909) 387-9230 or by email at matth@sbvmd.com.

Sincerely,

Matthew Howard

Matthew Howard
Water Resources Senior Project Manager
San Bernardino Valley Municipal Water District

Agency	Prefix	First Name	Last Name	Title	E-mail address
BBCCSO		Mary	Reeves	General Manager	mreeves@bbccsd.org
BBCCSO		Jerry	Griffith		jgriffith@bbccsd.org
BBLDWP		Sierra	Orr		sorr@bbldwp.com
BBLDWP		Reggie	Lamson	General Manager	RLamson@bbldwp.com
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Beaumont-Cherry Valley Water District	Mr.	Dan	Jaggers	General Manager	dan.jaggers@bcvwd.org
Big Bear Area Regional Wastewater Agency		David	Lawrence	General Manager	dlawrence@bbarwa.org
Big Bear Municipal Water District		Mike	Stephenson	General Manager	mstephenson@bbmwd.net
Cal. State San Bernardino/Water Resources Institute	Ms.	Suzie	Earp	Interim Director	earps@csusb.edu
California Regional Water Quality Control Board, Santa Ana Region	Ms.	Hope	Smythe	Executive Officer	Hope.Smythe@waterboards.ca.gov
California State Water Resources Control Board, Division of Drinking Water	Mr.	Sean	McCarthy	Chief	Sean.McCarthy@waterboards.ca.gov
City of Banning	Mr.	Art	Vela	Public Works Director	avela@ci.banning.ca.us
City of Beaumont	Ms.	Elizabeth	Gibbs	City Manager	egibbs@beaumontcares.com
City of Big Bear Lake	Ms.	Susan	O'Strander	Director of Planning & Inspections	sostrander@citybigbearlake.com
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City of Eastvale	Mr.	Gustavo	Gonzalez	Planning Manager	ggonzalez@eastvaleca.gov
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County of San Bernardino	Mr.	Kevin	Blakeslee	Chief Public Works Engineer	kblakeslee@dpw.sbcounty.gov
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Fontana Water Company		Cris	Fealy		cifealy@fontanawater.com
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Metropolitan Water District of Southern California	Mr.	Edgar	Fandialan	Water Resources Management Group	efandialan@mwdh2o.com

Agency	Prefix	First Name	Last Name	Title	E-mail address
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Riverside Highland Water Company	Mr.	Don	Hough	General Manager	dhough@rhwco.com
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San Bernardino Valley Water Conservation District		Katelyn	Scholte		KScholte@sbvwcd.org
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San Gorgonio Pass Water Agency		Cheryle	Stiff		cstiff@sgpwa.com
Santa Ana Watershed Project Authority	Mr.	Jeff	Mosher	General Manager	jmosher@sawpa.org
South Mesa Water Company	Mr.	David	Armstrong	General Manager	darmstrong@southmesawater.com
Terrace Water Company	Mr.	Toby	Ritarita	General Manager	tobiterracewater@gmail.com

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United States Forest Service	Ms	Ellen	Shaw	Forest Supervisor, San Bernardino National Forest	ellen.shaw@usda.gov
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West Valley Water District		Linda	Jadeski		ljadeski@wvwd.org
West Valley Water District		Daniel	Guerra		dguerra@wvwd.org
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WMWD		Melissa	Matlock		mmatlock@wmwd.com
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Yucaipa Valley Water District		Madeline	Blua		mblua@yvwd.us
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San Manuel Band of Mission Indians		Peter	Mateo		peter.mateo@sanmanuel-nsn.gov

WESTSIDE STORY

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PROOF OF PUBLICATION

The Westside Story was declared a newspaper of general circulation on April 10, 1990, by the Superior Court of the State of California, in and for the County of San Bernardino by a judgment of said Superior Court numbered 255014 in the records of said Superior Court.

RE Public Hearing

STATE OF CALIFORNIA
COUNTY OF SAN BERNARDINO

The undersigned hereby certifies as follows:

I am a citizen of the United States, over twenty-one years of age, and not a party to or interested in the above entitled matter; I am the principal clerk of the publisher of a newspaper, to wit, the Westside Story; The same was at all times herein mentioned a newspaper of general circulation, printed and published in black face type describing and expressing in general terms the purport of character of the notice to be given and the Public Hearing

of which the attached is a true printed copy which was published in each edition and issue of said newspaper of general circulation, and not in any supplement thereof, on each of the following dates to wit:

6-3 + 6-10-2021

I certify under penalty of perjury that the foregoing is true and correct. Executed on 6-11-2021
at San Bernardino, in said County and State.

Signed Wallace Allen

Printed: Wallace Allen

West Valley Water District Public Hearing Notice 2020 Integrated Regional Urban Water Management Plan and Water Shortage Contingency Plan

Notice is hereby given that on Thursday, June 17th, 2021 at 6:30 pm in the West Valley Water District (Water District) Boardroom, the Water District's Board of Directors will conduct a Public Hearing to receive public comments and consider adoption of the Draft 2020 Upper Santa Ana Watershed Integrated Regional Urban Water Management Plan (2020 IRUWMP) and Draft Water Shortage Contingency Plan (WSCP). Following the public hearing, the Water District's Board of Directors may adopt the Draft 2020 IRUWMP and Draft WSCP with recommended modifications, if any, as a result of public input.

In an effort to prevent the spread of COVID-19 (Coronavirus), and in accordance with the Governor's Executive Order N-29-20 and the order of the County of San Bernardino dated March 17, 2020, there will be no public location for attending this Public Hearing in person. Members of the public may listen and provide public comment via telephone by calling the following number and access code: Dial: (888) 475-4499, Access Code: 840-293-7790 or you may join the meeting using Zoom by clicking this link: <https://us02web.zoom.us/j/8402937790> Public comment may also be submitted via email to the Board Secretary, Peggy Asche at peggy@wwwd.org. The webinar will also be available for public viewing by visiting www.wwwd.org

The Draft 2020 IRUWMP provides a comprehensive guide for water resource management for the Upper Santa Ana River Watershed and documents the Water District's plans to ensure adequate water supplies to meet existing and future demands under a range of water supply conditions, including water shortages. The Draft WSCP documents the Water District's plans to manage and mitigate an actual water shortage condition, should one occur because of drought or other impacts on water supplies.

A copy of the Draft 2020 IRUWMP and Draft WSCP be available for public review June 3, 2021 and can be downloaded at wwwd.org.

Please provide written comments on the Draft 2020 IRUWMP documents to Linda Jadeski at ljadeski@wwwd.org prior to June 17th, 2021.

If you have any questions regarding the Water District's 2020 IRUWMP or WSCP or public hearing meeting, please contact Linda Jadeski at (909) 820-3713 or ljadeski@wwwd.org.

J-3: Resolutions

RESOLUTION NO. 2021-9

**RESOLUTION OF THE BOARD OF DIRECTORS
OF WEST VALLEY WATER DISTRICT
ADOPTING THE 2020 UPPER SANTA ANA RIVER WATERSHED
INTEGRATED REGIONAL URBAN WATER MANAGEMENT PLAN**

WHEREAS, West Valley Water District ("Water District") and other water managers in the upper Santa Ana River watershed have long recognized the importance of regional collaboration and integration of single purpose efforts and regularly work across jurisdictional boundaries to implement regional multi-benefit projects and programs that address multiple water resource management issues, including local and imported water supplies, recycled water, stormwater management, groundwater management, water use efficiency, habitat and open space management, and many others; and

WHEREAS, the State lawmakers created the Integrated Regional Water Management Planning Act ("IRWM Act") in 2002 to encourage integrated, regional strategies for managing water resources; and

WHEREAS, in 2005, 16 agencies in the upper Santa Ana River watershed decided to develop the region's first Integrated Regional Water Management Plan ("IRWMP") to collaborate on regional water management issues; and

WHEREAS, the Upper Santa Ana River Watershed IRWMP was completed in 2007 and updated in 2015; and

WHEREAS, the Water District participated in the development of the 2007 and 2015 IRWMPs and adopted the 2007 and 2015 IRWMPs; and

WHEREAS, the IRWMP established an update schedule of every five years and is due to be updated; and

WHEREAS, the California Department of Water Resources ("DWR") has established Program Guidelines for the IRWM Program, which were most recently updated in 2016 ("2016 IRWM Guidelines"); and

WHEREAS, The California Urban Water Management Planning Act, Water Code Section 10610 et seq. ("UWMP Act"), 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 an Urban Water Management Plan ("UWMP"); and

WHEREAS, the Water District meets the definition of an urban water supplier for purposes of the UWMP Act; and

WHEREAS, the UWMP Act requires that said UWMP be updated and adopted at least once every five years on or before July 1, in years ending in six and one; and

WHEREAS, the UWMP Act allows for water suppliers to work together to develop a cooperative regional UWMP and in 2010 and 2015, the San Bernardino Valley Regional UWMP (RUWMP) was prepared by ten different water suppliers to collectively meet the requirements of the UWMP Act; and

WHEREAS, the Water District participated in the 2010 and 2015 RUWMP; and

WHEREAS, both the IRWMP and RUWMP are both due to be updated; and

WHEREAS, the Water District and nineteen other water suppliers and water management organizations in the upper Santa Ana River watershed decided to combine the IRWMP and the RUWMP into a single comprehensive planning document known as the 2020 Upper Santa Ana River Watershed Integrated Regional Urban Water Management Plan ("IRUWMP") which is the first of its kind in California; and

WHEREAS, valuable synergies are realized by combining these two documents into one, including reduced preparation costs, a single integrated dataset, a consolidated reference document, enhanced collaboration, and more robust integrated planning and decision-making; and

WHEREAS, the 2020 IRUWMP document is organized into four parts: Part 1 – Regional Context, Part 2 – Individual Agency UWMPs, Part 3 – Regional Supporting Information and Part 4 – Individual Agency Supporting Information; and

WHEREAS, as a participant in the 2020 IRUWMP, the Water District has prepared those portions of the IRUWMP applicable to the Water District to meet the requirements of the IRWM Act, the UWMP Act and other applicable laws and regulations which include Part 1, Part 2 Chapter 10: West Valley Water District UWMP, Part 3, and Part 4 Appendix J: West Valley Water District Supporting Information; and

WHEREAS, in accordance with applicable legal requirements, the Water District has undertaken certain coordination, notice, public involvement, public comment, and other procedures in relation to the 2020 IRUWMP; and

WHEREAS, in accordance with the UWMP Act, The Water District has prepared the 2020 IRUWMP with staff from its own agency, with the assistance of consulting professionals, and in cooperation with other governmental agencies, and has utilized and relied upon industry standards and the expertise of industry professionals in preparing its 2020 IRUWMP, and has also utilized the DWR Guidebook for Urban Water Suppliers to Prepare 2020 Urban Water Management Plans, including its related appendices and the 2016 IRWM Guidelines; and

WHEREAS, in accordance with applicable law, a Notice of a Public Hearing regarding the Water District's adoption of Part 1, Part 2 Chapter 10, Part 3 and Part 4 Appendix J, of the

2020 IRUWMP was published within the jurisdiction of the Water District on June 3 and June 10; and

WHEREAS, in accordance with applicable law, including but not limited to Water Code sections 10608.26 and 10642, a public hearing was held on June 17th, 2021 at 7:00pm, or soon thereafter, in the boardroom of the offices of the Water District, 855 W. Base Line Road, Rialto, CA, 92377 in order to provide members of the public and other interested entities with the opportunity to be heard in connection with proposed adoption of the 2020 IRUWMP and issues related thereto; and

WHEREAS, pursuant to said public hearing on the 2020 IRUWMP, The Water District, among other things, encouraged the active involvement of diverse social, cultural, and economic members of the community within the Water District's service area with regard to the preparation of the Plan, encouraged community input regarding the 2020 IRUWMP; and

WHEREAS, the Board of Directors ("Board") has reviewed and considered the purposes and requirements of the IRWM Act and the UWMP Act, the contents of the 2020 IRUWMP, and the documentation contained in the administrative record in support of the 2020 IRUWMP, and has determined that the factual analyses and conclusions set forth in the 2020 IRUWMP are legally sufficient; and

WHEREAS, the Board desires to adopt Part 1, Part 2 Chapter 10, Part 3 and Part 4, Appendix J, of the 2020 IRUWMP in order to comply with the IRWM Act and UWMP Act.

NOW THEREFORE BE IT RESOLVED, the Board of West Valley Water District hereby resolve as follows:

1. Part 1, Part 2 Chapter 10, Part 3 and Part 4 Appendix J, of the 2020 IRUWMP is hereby adopted as amended by changes incorporated by the Board as a result of input received (if any) at the public hearing and ordered filed with the Secretary of the Board;
2. The General Manager is hereby authorized and directed to include a copy of this Resolution in the Water District's 2020 IRUWMP;
3. The General Manager is hereby authorized and directed, in accordance with Water Code sections 10621(d) and 10644(a)(1)-(2), to electronically submit a copy of the Water District's portions of the 2020 IRUWMP to DWR no later than July 1, 2021;
4. The General Manager is hereby authorized and directed, in accordance with Water Code section 10644(a), to submit a copy of the 2020 IRUWMP to the California State Library, and any city or county within which the Water District provides water supplies no later than thirty (30) days after this adoption date;
5. The General Manager is hereby authorized and directed, in accordance with Water Code section 10645, to make the 2020 IRUWMP available for public review on the

Water District's website no later than thirty (30) days after filing a copy of the 2020 IRUWMP with DWR;

6. The General Manager is hereby authorized and directed, in accordance with Water Code Section 10635(b), to provide that portion of the 2020 IRUWMP prepared pursuant to Water Code Section 10635(a) to any city or county within which the Water District provides water supplies no later than sixty (60) days after submitting a copy to DWR;
7. The General Manager is hereby authorized and directed to implement the 2020 Plan in accordance with the IRWM Act and UWMP Act and to provide recommendations to the Board regarding the necessary budgets, procedures, rules, regulations, or further actions to carry out the effective and equitable implementation of the 2020 IRUWMP in collaboration with the regional partners.

ADOPTED, SIGNED, AND APPROVED THIS 17th DAY OF JUNE, 2021.

AYES:	DIRECTORS: Channing Hawkins, Kyle Crowther, Michael Taylor
NOES:	DIRECTORS: None
ABSENT:	DIRECTORS: Clifford Young, Greg Young
ABSTAIN:	DIRECTORS: None

ATTEST:



Peggy Asche
Board Secretary



Channing Hawkins,
President of the Board of Directors
of West Valley Water District

J-4: Agreements

Not used. West Valley Water District does not have any relevant Agreements referenced in their UWMP.

J-5: DWR Population Tool Output

Please print this page to a PDF and include as part of your UWMP submittal.

Confirmation Information			
Generated By	Water Supplier Name	Confirmation #	Generated On
Aaron Morland	West Valley Water District	1045697867	3/19/2021 2:49:51 PM

Boundary Information		
Census Year	Boundary Filename	Internal Boundary ID
1990	ServiceArea_WWWD.kml	1087
2000	ServiceArea_WWWD.kml	1087
2010	ServiceArea_WWWD.kml	1087
1990	ServiceArea_WWWD.kml	1087
2000	ServiceArea_WWWD.kml	1087
2010	ServiceArea_WWWD.kml	1087
1990	ServiceArea_WWWD.kml	1087
2000	ServiceArea_WWWD.kml	1087
2010	ServiceArea_WWWD.kml	1087
1990	ServiceArea_WWWD.kml	1087
2000	ServiceArea_WWWD.kml	1087
2010	ServiceArea_WWWD.kml	1087
1990	ServiceArea_WWWD.kml	1087
2000	ServiceArea_WWWD.kml	1087
2010	ServiceArea_WWWD.kml	1087
1990	ServiceArea_WWWD.kml	1087
2000	ServiceArea_WWWD.kml	1087
2010	ServiceArea_WWWD.kml	1087

Baseline Period Ranges

10 to 15-year baseline period

Number of years in baseline period:

Year beginning baseline period range:

Year ending baseline period range¹:

5-year baseline period

Year beginning baseline period range:

Year ending baseline period range²:

¹ The ending year must be between December 31, 2004 and December 31, 2010.

² The ending year must be between December 31, 2007 and December 31, 2010.

Persons-Per-SF Connection and Persons-Per-MF/GQ Connection

Year	Census Block Group Level	Census Block Level			# SF Connections	# MF/GQ Connections	Persons per SF Connection	Persons per MF/GQ Connection
	% Population in SF Housing	Service Area Population	Population in SF Housing (calculated)	Population in MF/GQ Housing (calculated)				
1990	89.06%	45,284	40,332	4,952	<input type="text"/>	<input type="text"/>	3.82	42.16
1991	-	-	-	-	-	-	3.82	42.16
1992	-	-	-	-	-	-	3.82	42.16
1993	-	-	-	-	-	-	3.82	42.16
1994	-	-	-	-	-	-	3.82	42.16
1995	-	-	-	-	-	-	3.82	42.16
1996	-	-	-	-	-	-	3.82	42.16
1997	-	-	-	-	-	-	3.82	42.16
1998	-	-	-	-	-	-	3.82	42.16
1999	-	-	-	-	-	-	3.82	42.16
2000	89.12%	59,957	53,432	6,525	<input type="text"/>	<input type="text"/>	3.82	42.16
2001	-	-	-	-	-	-	3.82	42.16
2002	-	-	-	-	-	-	3.82	42.16
2003	-	-	-	-	-	-	3.82	42.16
2004	-	-	-	-	-	-	3.82	42.16
2005	-	-	-	-	-	-	3.82	42.16
2006	-	-	-	-	-	-	3.82	42.16
2007	-	-	-	-	-	-	3.82	42.16
2008	-	-	-	-	-	-	3.82	42.16
2009	-	-	-	-	-	-	3.82	42.16
2010	91.01%	73,628	67,009	6,619	<input type="text" value="17552"/>	<input type="text" value="157"/>	3.82	42.16
2011	-	-	-	-	-	-	3.82	42.16
2012	-	-	-	-	-	-	3.82	42.16
2013	-	-	-	-	-	-	3.82	42.16

2014	-	-	-	-	-	3.82	42.16
2015	-	-	-	-	-	3.82	42.16
2020	-	-	-	-	-	3.82 *	42.16 *

Population Using Persons-Per-SF Connection and Persons-Per-MF/GQ Connection

Year		# SF Connections	# MF/GQ Connections	Persons per SF Connection	Persons per MF/GQ Connection	SF Population	MF/GQ Population	Total Population
10 to 15 Year Baseline Population Calculations								
Year 1	2000	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 2	2001	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 3	2002	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 4	2003	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 5	2004	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 6	2005	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 7	2006	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 8	2007	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 9	2008	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 10	2009	<input type="text"/>	<input type="text"/>	3.82	42.16			
5 Year Baseline Population Calculations								
Year 1	2004	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 2	2005	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 3	2006	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 4	2007	<input type="text"/>	<input type="text"/>	3.82	42.16			
Year 5	2008	<input type="text"/>	<input type="text"/>	3.82	42.16			
2020 Compliance Year Population Calculations								
2020		<input type="text" value="21362"/>	<input type="text" value="179"/>	3.82 *	42.16 *	81,555	7,547	89,101

Hide Print Confirmation

QUESTIONS / ISSUES? CONTACT THE WUEdata HELP DESK
 MWELo QUESTIONS / ISSUES? CONTACT THE MWELo HELP DESK

J-6: DWR Tables

2-1R | Public Water Systems

STATUS:

NOTES: The volume of 2020 water supplied does not include exports to Rialto and Marygold. This is because Rialto's Lytle surface water and Marygold's State water are taken directly off of West Valley's supplies from each of those sources.

Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020
CA3610004	West Valley Water District	23,063	20,098
Total:		23,063	20,098

2-2 | Public Water Systems

STATUS: Published

NOTES: -

Type of Plan	Member of RUWMP	Member of Regional Alliance	Name of RUWMP or Regional Alliance
Regional UWMP (RUWMP)			Upper Santa Ana River Integrated Regional Urban Water Management Plan

2-3 | Agency Identification

STATUS:

NOTES: -

Type of Supplier	Year Type	First Day of Year		Unit Type
Retailer	Calendar Years	DD	MM	Acre Feet (AF)

Conversion to Gallons: 325851
Conversion to Gallons per Day: 892.7425

2-4R | Water Supplier Information Exchange

STATUS: Published

NOTES: -

Wholesale Water Supplier Name
San Bernardino Valley Municipal Water District

3-1R | Current & Projected Population

STATUS:

NOTES:

Population Served	2020	2025	2030	2035	2040	2045
Total	89,101	102,490	110,410	118,943	128,136	138,039
Total	89,101	102,490	110,410	118,943	128,136	138,039

4-1R | Actual Demands for Water

STATUS:

NOTES:

Use Type	Additional Description	Level of Treatment When Delivered	2020 Volume
Single Family	Single-Family	Drinking Water	12,049
Multi-Family	Multi-Family	Drinking Water	481
Commercial	Commercial	Drinking Water	1,689
Industrial	Industrial	Drinking Water	623
Institutional/Governmental	Institutional	Drinking Water	860
Landscape	Landscape Irrigation	Drinking Water	2,161
Other	Hydrant	Drinking Water	272
Landscape	Golf Course	Drinking Water	-
Other	Fire Service	Drinking Water	5
Agricultural irrigation	Agricultural Irrigation	Drinking Water	70
Losses	Nonrevenue	Drinking Water	1,889
Total:			20,098

4-2R | Projected Demands for Water

STATUS:

NOTES: -

Use Type	Additional Description	Projected Water Use				
		2025	2030	2035	2040	2045
Single Family	Single-Family	13,859	14,791	15,722	16,653	17,584
Multi-Family	Multi-Family	553	591	628	665	702
Commercial	Commercial	1,943	2,073	2,204	2,334	2,465
Industrial	Industrial	717	765	813	861	909
Institutional/Governmental	Institutional	989	1,056	1,122	1,189	1,255
Landscape	Landscape Irrigation	2,485	2,652	2,819	2,986	3,153
Other	Hydrant	313	334	355	376	397
Landscape	Golf Course	-	-	-	-	-
Other	Fire Service	5	6	6	7	7
Agricultural irrigation	Agricultural Irrigation	81	86	92	97	103
Losses	Nonrevenue	2,513	2,682	2,851	3,020	3,189
Total:		23,459	25,035	26,611	28,188	29,764

4-3R | Total Gross Water Use

STATUS:

NOTES: -

	2020	2020	2030	2035	2040	2045
Potable and Raw Water From Table 4-1R and 4-2R	20,098	23,459	25,035	26,611	28,188	29,764
Recycled Water Demand* From Table 6-4R	-	-	-	-	-	-
Total Water Use:	20,098	23,459	25,035	26,611	28,188	29,764

4-4R | 12 Month Water Loss Audit Reporting

STATUS:

NOTES: -

Report Period Start Date		Volume of Water Loss*
MM	YYYY	
1	2016	1,906
1	2017	2,176
1	2018	1,664
1	2019	1,802
1	2020	1,889 (estimated)

4-5R | Inclusion in Water Use Projections

STATUS: Published

NOTES: -

Are Future Water Savings Included in Projections? Refer to Appendix K of UWMP Guidebook.	No
Are Lower Income Residential Demands Included in Projections?	Yes

5-1R | Baselines & Targets Summary

STATUS:

NOTES: -

Baseline Period	Start Year	End Year	Average Baseline GPCD*	Confirmed 2020 Target *
10-15 Year	2000	2009	285	232
5 Year	2004	2008	284	

*All values are in Gallons per Capita per Day (GPCD)

5-2R | 2020 Compliance

STATUS:

NOTES: -

Actual 2020 GPCD*	Optional Adjustments to 2020 GPCD					2020 GPCD* (Adjusted if applicable)	Supplier Achieved Targeted Reduction in 2020
	Extraordinary Events*	Economic Adjustment*	Weather Normalization*	Total Adjustments*	Adjusted 2020 GPCD*		
201	0	0	0	0	0	0	Yes

*All values are in Gallons per Capita per Day (GPCD)

6-1R | Groundwater Volume Pumped

STATUS:

NOTES:

Select One						
Groundwater Type	Location or Basin Name	2016	2017	2018	2019	2020
Alluvial Basin	Bunker Hill	1,351	2,300	2,002	892	1,933
Alluvial Basin	Bunker Hill (via Baseline Feeder)	4,101	3,340	3,774	3,616	3,616
Alluvial Basin	Chino	-	-	-	-	-
Alluvial Basin	Lytle	1,850	2,365	2,416	2,572	3,078
Alluvial Basin	Rialto-Colton	2,123	3,923	3,353	2,779	1,420
Alluvial Basin	Riverside-Arlington	2,745	1,089	1,542	1,301	1,354
Total:		12,170	13,017	13,088	11,159	11,401

6-2R | Wastewater Collected within Service Area in 2020

STATUS:

NOTES:

The supplier will complete the table.						
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated	Wastewater Volume Collected from UWMP Service Area in 2020	Name of Wastewater Agency Receiving Collected Wastewater	Wastewater Treatment Plant Name	Wastewater Treatment Plant Located within UWMP Area	WWTP Operation Contracted to a Third Party
City of Rialto	Estimated	4,336	City of Rialto	Rialto Wastewater Treatment Plant	Yes	Yes
City of Colton	Estimated	532	City of Colton	Colton WWTP	No	No
San Bernardino County	Estimated	329	San Bernardino County	Lyle Creek North Water Reclamation Plant	No	No
Inland Empire Utilities Agency	Estimated	871	Inland Empire Utilities Agency	Recycled Plant No. 4	No	No
Total:		6,068				

6-3R | Wastewater Treatment & Discharge Within Service Area in 2020

STATUS:

NOTES:

No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table.

Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number	Method of Disposal	Plant Treats Wastewater Generated Outside the Service Area	Treatment Level	2020 Volumes				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
Total:							-	-	-	-	-

6-8R | Actual Water Supplies

STATUS:

NOTES:

Water Supply	Additional Detail on Water Supply	2020		
		Actual Volume	Water Quality	Total Right or Safe Yield
Groundwater (not desalinated)	Bunker Hill	1,933	Drinking Water	
Groundwater (not desalinated)	Bunker Hill (via Baseline Feeder)	3,616	Drinking Water	
Groundwater (not desalinated)	Lytle	3,078	Drinking Water	
Groundwater (not desalinated)	Rialto-Colton	1,420	Drinking Water	
Groundwater (not desalinated)	Riverside-Arlington	1,354	Drinking Water	
Surface water (not desalinated)	Lytle Creek	5,356	Drinking Water	
Purchased or Imported Water	State Water Project - Direct Delivery	3,342	Drinking Water	
Total:		20,098		-

6-8DS | Source Water Desalination

STATUS:

NOTES:

Neither groundwater nor surface water are reduced in salinity prior to distribution. The supplier will not complete the table.

6-9R | Projected Water Supplies

STATUS:

NOTES:

Water Supply	Additional Detail on Water Supply	Projected Water Supply									
		2025		2030		2035		2040		2045	
		Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield
Groundwater (not desalinated)	Bunker Hill	2,052		2,353		3,554		4,754		6,455	
Groundwater (not desalinated)	Bunker Hill (via Baseline Feeder)	5,000		5,000		5,000		5,000		5,000	
Groundwater (not desalinated)	Lytle	2,900		2,900		2,900		2,900		2,900	
Groundwater (not desalinated)	Rialto-Colton	4,426		4,538		4,650		4,761		4,873	
Groundwater (not desalinated)	Riverside-Arlington	2,500		3,000		3,500		4,000		4,000	
Groundwater (not desalinated)	Chino	-		900		900		900		900	
Surface water (not desalinated)	Lytle Creek	3,100		3,100		3,100		3,100		3,100	
Purchased or Imported Water	State Water Project - Direct Delivery	7,000		7,000		7,000		7,000		7,000	
	Total:	26,978	-	28,791	-	30,604	-	32,415	-	34,228	-

7-1R | Basis of Water Year Data (Reliability Assessment)

STATUS:

NOTES:

Quantification of available supplies is provided in this table as either volume only, percent only, or both.

Year Type	Base Year	Available Supply if Year Type Repeats	
		Volume Available	Percent of Average Supply
Average Year	2020		100%
Single-Dry Year	2020		110%
Consecutive Dry Years 1st Year	2020		110%
Consecutive Dry Years 2nd Year	2020		110%
Consecutive Dry Years 3rd Year	2020		110%
Consecutive Dry Years 4th Year	2020		110%
Consecutive Dry Years 5th Year	2020		110%



7-2R | Normal Year Supply and Demand Comparison

STATUS:

NOTES: -

	2025	2030	2035	2040	2045
Supply Totals From Table 6-9R	26,978	28,791	30,603	32,415	34,229
Demand Totals From Table 4-3R	23,459	25,035	26,611	28,188	29,764
Difference:	3,519	3,755	3,992	4,228	4,465

7-3R | Single Dry Year Supply & Demand Comparison

STATUS:

NOTES: -

	2025	2030	2035	2040	2045
Supply Totals	29,676	31,670	33,663	35,657	37,651
Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:	3,871	4,131	4,391	4,651	4,911

7-4R | Multiple Dry Years Supply & Demand Comparison

STATUS:

NOTES: -

		2025	2030	2035	2040	2045
First Year	Supply Totals	29,676	31,670	33,663	35,657	37,651
	Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:		3,871	4,131	4,391	4,651	4,911
Second Year	Supply Totals	29,676	31,670	33,663	35,657	37,651
	Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:		3,871	4,131	4,391	4,651	4,911
Third Year	Supply Totals	29,676	31,670	33,663	35,657	37,651
	Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:		3,871	4,131	4,391	4,651	4,911
Fourth Year	Supply Totals	29,676	31,670	33,663	35,657	37,651
	Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:		3,871	4,131	4,391	4,651	4,911
Fifth Year	Supply Totals	29,676	31,670	33,663	35,657	37,651
	Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:		3,871	4,131	4,391	4,651	4,911
Sixth Year	Supply Totals	29,676	31,670	33,663	35,657	37,651
	Demand Totals	25,805	27,539	29,273	31,006	32,740
Difference:		3,871	4,131	4,391	4,651	4,911

7-5 | Five-Year Drought Risk Assessment Tables to Address Water Code Section 10635(b)

STATUS:

NOTES: -

2021	Gross Water Use	22,848
	Total Supplies	26,275
	Surplus/Shortfall without WSCP Action	3,427
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	3,427
	Resulting Percent Use Reduction from WSCP Action	0%
2022	Gross Water Use	23,587
	Total Supplies	27,125
	Surplus/Shortfall without WSCP Action	3,538
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	3,538
	Resulting Percent Use Reduction from WSCP Action	0%
2023	Gross Water Use	24,326
	Total Supplies	27,975
	Surplus/Shortfall without WSCP Action	3,649
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	3,649
	Resulting Percent Use Reduction from WSCP Action	0%
2024	Gross Water Use	25,066
	Total Supplies	28,825
	Surplus/Shortfall without WSCP Action	3,760
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	3,760
	Resulting Percent Use Reduction from WSCP Action	0%
2025	Gross Water Use	25,066
	Total Supplies	28,825
	Surplus/Shortfall without WSCP Action	3,760
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	3,760
	Resulting Percent Use Reduction from WSCP Action	0%

8-1 | Water Shortage Contingency Plan Levels

STATUS:

NOTES:

Shortage Level	Percent Shortage Range ¹ (Numerical Value as a Percent)	Water Shortage Condition
1	Up to 10%	Normal Conditions (WVWD Stage 1) - Normal supply and distribution capacity is available. All policies shown in Section 2403 and the following water conservation measures (listed under Shortage Level 1 in DWR table 8-2) shall apply.
2	Up to 20%	Water Alert Condition (WVWD Stage 2) - The District may not be able to meet all water demands of all customers, unless the following water conservation measures (listed under Shortage Level 2 in DWR table 8-2) are applied.
3	Up to 30%	Water Warning Condition (WVWD Stage 3, 3A, 3B, and 3C) - District is not able to meet all water demands of all customers; therefore, the following water conservation measures (listed under Shortage Level 3 in DWR Table 8-2) shall apply.
4	Up to 40%	Water Emergency Condition (WVWD Stage 4) - District is not able to meet all water demands of all customers; therefore, the following water conservation measures (listed under Shortage Level 4 in DWR Table 8-2) shall apply.
5	Up to 50%	Water Emergency Condition (WVWD Stage 4) - District is not able to meet all water demands of all customers; therefore, the following water conservation measures (listed under Shortage Level 4 in DWR Table 8-2) shall apply.
6	>50%	Water Emergency Condition (WVWD Stage 4) - District is not able to meet all water demands of all customers; therefore, the following water conservation measures (listed under Shortage Level 4 in DWR Table 8-2) shall apply.
¹ One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.		

8-2 | Demand Reduction Actions

STATUS:

NOTES: -

Shortage Level	Demand Reduction Actions	How much is this going to reduce the shortage gap?	Additional Explanation or Reference	Penalty, Charge, or Other Enforcement
All	Expand Public Information Campaign	0-20%	Provide reminder notices regarding noted water waste and offer community outreach programs	No
1	Landscape - Other landscape restriction or prohibition	0-5%	The use of sprinklers for any type of irrigation during high winds is prohibited.	Yes
1	Landscape - Limit landscape irrigation to specific times	0-5%	Limit all landscape irrigation to between the hours of 8:00 p.m. and 6:00 a.m. Hand watering should be done between 6:00 p.m. and 8:00 a.m. Drip irrigation and hand watering while gardening is exempt from this recommendation. Water being used during repair or maintenance of watering system is exempt from this section.	Yes
1	Landscape - Restrict or prohibit runoff from landscape irrigation	0-5%	Use of water for outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures is prohibited.	Yes

1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	No person shall permit water to leak from any facility, improvement or plumbing fixture on his/her/its premises; said leak shall be repaired in a timely manner.	Yes
1	Other - Require automatic shut of hoses	0-1%	Washing of automobiles, trucks, trailer, boats, and other mobile equipment is prohibited unless done with a hand held device equipped with an automatic shut off trigger nozzle. This does not apply to commercial car washes utilizing a recycling system or when the health and safety of the public would necessitate.	Yes
1	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	No water shall be used to clean, fill, operate or maintain levels in decorative fountains unless the water is part of a recycling system.	Yes
1	Other - Prohibit use of potable water for washing hard surfaces	0-1%	There shall be no application of water to sidewalks, walkways, driveways, parking areas, patios, porches, verandas, tennis courts, or other paved, concrete, or other hard surface areas, except that flammable or other similarly dangerous or unhealthy substances may be washed from said areas by direct hose flushing for the benefit of public health or safety.	Yes
1	Landscape - Prohibit certain types of landscape irrigation	0-5%	The irrigation of potable water of ornamental turf on public street medians is prohibited. The term "median" shall mean the strip of land between street lanes.	Yes
2	Decrease Line Flushing	0-1%		No

2	Other	0-1%	Use historical data instead of performing fire flow tests for new developments	No
2	Other	0-1%	Screen all new applications for water service installations and limit water use before occupancy	No
2	Reduce System Water Loss	0-1%	Repair all leaks within 72 hours	No
2	CII - Restaurants may only serve water upon request	0-1%	All restaurants prohibited from serving water to their customers except when requested by customer.	Yes
2	CII - Lodging establishment must offer opt out of linen service	0-1%	Operators of hotels and motels must provide guests with the option of choosing not to have towels and linens laundered daily. The hotels and motels shall prominently display notice of this option in each guestroom using clear and easily understood language.	Yes
2	Landscape - Limit landscape irrigation to specific days	0-5%	Limit all landscape irrigation to four (4) days per week for no more than ten (10) minutes per station per day. This provision does not apply to any landscape that has water efficient devices that are operated properly. Water efficient devices are drip irrigation systems and operational weather-based irrigation controllers. The term "week" is defined as Sunday through Saturday.	Yes

2	Other - Prohibit use of potable water for construction and dust control	0-1%	District will screen all new applications for water service installations and will limit water use before occupancy to that essential use for construction and testing of landscape plumbing. Limited landscaping for new development shall be allowed as approved by the District. Water use for compaction, dust control, and other types of construction shall be by permit only and will be limited to conditions of the permit or may be prohibited as determined by the General Manager or his/her designee.	Yes
2	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	Repair all leaks within seventy-two (72) hours of notification by the District unless other arrangements are made with the general manager of the District ("General Manager").	Yes
2	Landscape - Other landscape restriction or prohibition	0-5%	Irrigating landscaping, including, but not limited to, turf and ornamental landscapes during and within forty-eight (48) hours following measurable precipitation is prohibited.	Yes
2	Other water feature or swimming pool restriction	0-1%	Swimming pools, hot tubs, and spas shall not be filled or refilled after being drained.	Yes
2	Other water feature or swimming pool restriction	0-1%	Ornamental pools, fountains, water displays, and artificial lakes shall not be filled or refilled after being drained.	Yes

2	Other - Prohibit use of potable water for construction and dust control	0-1%	Water used for compaction, dust control, and other types of construction shall be by permit only and will be limited to conditions of the permit or may be prohibited as determined by the General Manager, or his/her designee.	Yes
3	Reduce System Water Loss	0-1%	Repair all leaks within 48 hours	No
3A	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	0-1%	Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment are prohibited. Washing of the above-listed vehicles or mobile equipment shall be allowed only at a commercial car wash where recirculating water is being utilized.	Yes
3A	Landscape - Limit landscape irrigation to specific times	0-5%	All agricultural water users shall irrigate only at times approved by the District.	Yes
3A	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	Swimming pools, hot tubs, and spas shall not be refilled or filled after being drained.	Yes
3A	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	Ornamental pools, fountains, water displays, and artificial lakes shall not be refilled or filled after being drained.	Yes
3A	Landscape - Limit landscape irrigation to specific days	0-5%	Limit all landscape irrigation to three (3) days per week for no more than ten (10) minutes per station per day. Drip systems that are operated efficiently are exempt from these regulations.	Yes

3A	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	Repair all leaks within forty-eight (48) hours of notification by the District unless other arrangements are made with the General Manager.	Yes
3B	Landscape - Limit landscape irrigation to specific days	5-20%	Limit all landscape irrigation to two (2) days per week for no more than ten (10) minutes per station per day.	Yes
3C	Landscape - Limit landscape irrigation to specific days	10-30%	Limit all landscape irrigation to one (1) day per week for no more than ten (10) minutes per station per day.	Yes
4	Landscape - Prohibit all landscape irrigation	10-30%	No lawn or landscape water will be allowed	Yes
4	Other - Prohibit use of potable water for construction and dust control	0-5%	No construction water use to be allowed, construction meters to be locked off or removed.	Yes
4	CII - Other CII restriction or prohibition	0-5%	Commercial nurseries shall water only between the hours of 11:00 p.m. and 6:00 a.m. and only with hand-held devices or with drip irrigation systems.	Yes
4	Landscape - Prohibit all landscape irrigation	10-30%	The use of water shall be limited to essential household, commercial, manufacturing, or processing uses only, except where other uses may be allowed by permit	Yes
4	Landscape - Limit landscape irrigation to specific times	0-5%	All agricultural water users shall irrigate only at times approved by the District.	Yes

8-3R | Supply Augmentation & Other Actions

STATUS:

NOTES:

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier	How much is this going to reduce the shortage gap?	Additional Explanation or Reference
4	Other purchases	0-100%	WVWD currently has interconnections with the Cities of Rialto, Colton and San Bernardino, the Fontana Water Company, Marygold Mutual Water Company, and Valley District

10-1R | Notification to Cities & Counties

STATUS:

NOTES:

City	60 Day Notice	Notice of Public Hearing	Other
City of Colton	Yes	Yes	
City of Rialto	Yes	Yes	
City of Fontana	Yes	Yes	
City of Jurupa Valley	Yes	Yes	
County	60 Day Notice	Notice of Public Hearing	Other
San Bernardino County	Yes	Yes	
Riverside County	Yes	Yes	
Other	60 Day Notice	Notice of Public Hearing	Other

O-1B | Recommended Energy Intensity - Total Utility Approach

Urban Water Supplier	West Valley Water District		Reporting Period Start Date	1/1/2020	
Water Delivery Product	Retail Non-Potable Deliveries		Reporting Period End Date	12/30/2020	
	Urban Water Supplier Operational Control				
	Sum of all Water Management Process			Non-Consequential Hydropower	
	Total Utility			Hydropower	Net Utility
Volume of Water Entering Process (AF)	20098			20098	
Energy Consumed (kWh)	17,802,783			17802783	
Energy Intensity (kWh/AF)	885.8		0.0	885.8	
Data Quality	Metered Data	Quantity of Self-Generated Renewable Energy			kWh
Data Quality Narrative	Total energy consumed in 2020 was quantified through meters for well production and watertreatment. WVWD has a Hydroelectric plant that generates power from S				
Water Supply Narrative	WVWD utilizes three primary sources for drinking water supply: local surface water from flows on the east side of the San Gabriel Mountains, including North Fork Lytle Creek, Middle Fork Lytle Creek, and South Fork Lytle Creek; groundwater; and imported water from the State Water Project (SWP).				

J-7: SBX7-7 Forms

SB X7-1 | Baseline Period Ranges

STATUS: Published

NOTES: -

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	22,777	Acre Feet (AF)
	2008 total volume of delivered recycled water	0	Acre Feet (AF)
	2008 recycled water as a percent of total deliveries	0	Percent
	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	2000	
	Year ending baseline period range ³	2009	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2004	
	Year ending baseline period range ⁴	2008	

¹If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.

²The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.

³The ending year must be between December 31, 2004 and December 31, 2010.

⁴The ending year must be between December 31, 2007 and December 31, 2010.

SB X7-2 | Method for Population Estimates

STATUS: Published

NOTES: -

Method for Population Estimates

No	1. Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2010 - 2020) when available
No	2. Persons-per-Connection Method
Yes	3. DWR Population Tool
No	4. Other DWR recommends pre-review

SB X7-3 | Service Area Population

STATUS:

NOTES: -

Year		Population
10 to 15 Year Baseline Population		
Year 1	2000	59,957
Year 2	2001	61,201
Year 3	2002	62,471
Year 4	2003	63,768
Year 5	2004	65,091
Year 6	2005	66,442
Year 7	2006	67,821
Year 8	2007	69,228
Year 9	2008	70,665
Year 10	2009	72,131
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2004	65,091
Year 2	2005	66,442
Year 3	2006	67,821
Year 4	2007	69,228
Year 5	2008	70,665
2020 Compliance Year Population		
2020		89,101

SB X7-4 | Annual Gross Water Use

STATUS:

NOTES: -

Baseline Year <i>From SB X7-3</i>	Volume Into Distribution System <i>From SB X7-4A</i>	Deductions					Annual Gross Water Use	
		Exported Water	Change in Distribution System Storage (+/-)	Indirect Recycled Water <i>From SB X7-4B</i>	Water Delivered for Agricultural Use	Process Water <i>From SB X7-4D</i>		
10 to 15 Year Baseline - Gross Water Use								
Year 1	2,000	20,268			0		-	20,268
Year 2	2,001	19,682			0		-	19,682
Year 3	2,002	20,655			0		-	20,655
Year 4	2,003	21,318			0		-	21,318
Year 5	2,004	21,313			0		-	21,313
Year 6	2,005	19,747			0		-	19,747
Year 7	2,006	21,753			0		-	21,753
Year 8	2,007	22,223			0		-	22,223
Year 9	2,008	22,777			0		-	22,777
Year 10	2,009	20,418			0		-	20,418
Year 11	0	0			0		-	0
Year 12	0	0			0		-	0
Year 13	0	0			0		-	0
Year 14	0	0			0		-	0
Year 15	0	0			0		-	0
10 - 15 year baseline average gross water use:								21,015
5 Year Baseline - Gross Water Use								
Year 1	2,004	21,313			0		-	21,313
Year 2	2,005	19,747			0		-	19,747
Year 3	2,006	21,753			0		-	21,753
Year 4	2,007	22,223			0		-	22,223
Year 5	2,008	22,777			0		-	22,777
5 year baseline average gross water use:								21,563
2020 Compliance Year - Gross Water Use								
2020		20,098			0		-	20,098

SB X7-4A | Volume Entering the Distribution System(s)

STATUS:

NOTES: -

The supplier's own water source				
Name of Source:		Rialto-Colton, Riverside North, Bunker Hill, Lytle Creek		
Baseline Year <i>From SB X7-3</i>	Volume Entering Distribution System	Meter Error Adjustment (+/-)	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	2,000	20,268		20,268
Year 2	2,001	19,682		19,682
Year 3	2,002	20,655		20,655
Year 4	2,003	21,318		21,318
Year 5	2,004	21,313		21,313
Year 6	2,005	19,747		19,747
Year 7	2,006	21,753		21,753
Year 8	2,007	22,223		22,223
Year 9	2,008	22,777		22,777
Year 10	2,009	20,418		20,418
Year 11	0			0
Year 12	0			0
Year 13	0			0
Year 14	0			0
Year 15	0			0
5 Year Baseline - Water into Distribution System				
Year 1	2,004	21,313		21,313
Year 2	2,005	19,747		19,747
Year 3	2,006	21,753		21,753
Year 4	2,007	22,223		22,223
Year 5	2,008	22,777		22,777
2020 Compliance Year - Water into Distribution System				
2020		20,098		20,098

SB X7-5 | Gallons Per Capita Per Day (GPCD)

STATUS:

NOTES: -

Baseline Year From SB X7-3		Service Area Population From SB X7-3	Annual Gross Water Use From SB X7-4	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	2000	59,957	20,268	302
Year 2	2001	61,201	19,682	287
Year 3	2002	62,471	20,655	295
Year 4	2003	63,768	21,318	299
Year 5	2004	65,091	21,313	292
Year 6	2005	66,442	19,747	265
Year 7	2006	67,821	21,753	286
Year 8	2007	69,228	22,223	287
Year 9	2008	70,665	22,777	288
Year 10	2009	72,131	20,418	253
Year 11	0	0	0	-
Year 12	0	0	0	-
Year 13	0	0	0	-
Year 14	0	0	0	-
Year 15	0	0	0	-
10-15 Year Average Baseline GPCD:				285
5 Year Baseline GPCD				
Year 1	2004	65,091	21,313	292
Year 2	2005	66,442	19,747	265
Year 3	2006	67,821	21,753	286
Year 4	2007	69,228	22,223	287
Year 5	2008	70,665	22,777	288
5 Year Average Baseline GPCD:				284
2020 Compliance Year GPCD				
2020		89,101	20,098	201

SB X7-6 | Gallons per Capita per Day

STATUS: Published

NOTES: -

Summary from Table SB X7-7 Table 5	
10-15 Year Baseline GPCD	285
5 Year Baseline GPCD	284
2020 Compliance Year GPCD	201

SB X7-7 | 2020 Target Method

STATUS:

Published

NOTES:

-

Select Only One	
No	Method 1. Complete SB X7-7A below.
No	Method 2. Complete SB X7-7B, SB X7-7C, and SB X7-7D below.
No	Method 3. Complete SB X7-E below.
Yes	Method 4. Complete Method 4 Calculator below.

SB X7-7A | 2020 Target Method 1

20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
285	228

SB X7-7E | 2020 Target Method 3

Select All that Apply	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets
		North Coast	137
		North Lahontan	173
		Sacramento River	176
		San Francisco Bay	131
		San Joaquin River	174
		Central Coast	123
		Tulare Lake	188
		South Lahontan	170
		South Coast	149
		Colorado River	211
Target (If more than one region is selected, this value is calculated.)			

SB X7-7F | Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD From SB X7-5	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
284	270	232	232
¹ Maximum 2020 Target is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 GPCD. ² 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.			

SB X7-8 | 2015 Interim Target GPCD

STATUS:

NOTES: -

Confirmed 2020 Target From SB X7-7-F	10-15 year Baseline GPCD From SB X7-5	2015 Interim Target GPCD
232	285	259

SB X7-9 | 2020 Compliance

STATUS:

NOTES:

Actual 2020 GPCD	2020 Interim Target GPCD	Optional Adjustments (in GPCD)					2020 GPCD (Adjusted if applicable)	Did Supplier Achieve Targeted Reduction for 2020?
		Extraordinary Events	Weather Normalization	Economic Adjustment	Total Adjustments	Adjusted 2020 GPCD		
201	232				0	201	201	YES

J-8: AWWA Water Audits



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association

Water Audit Report for: **West Valley Water District (CA3610004)**
Reporting Year: **2016** 1/2016 - 12/2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	<input type="button" value="+"/> <input type="button" value="?"/> 3	10,576.070	acre-ft/yr
Water imported:	<input type="button" value="+"/> <input type="button" value="?"/> 3	8,028.710	acre-ft/yr
Water exported:	<input type="button" value="+"/> <input type="button" value="?"/> 3	2,069.850	acre-ft/yr

Master Meter and Supply Error Adjustments

Pcnt:	<input type="button" value="+"/> <input type="button" value="?"/> 2	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	Value:	<input type="text" value=""/>	acre-ft/yr
	<input type="button" value="+"/> <input type="button" value="?"/> 2	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>		<input type="text" value=""/>	acre-ft/yr
	<input type="button" value="+"/> <input type="button" value="?"/> 2	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>		<input type="text" value=""/>	acre-ft/yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: **16,534.930** acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="button" value="+"/> <input type="button" value="?"/> 7	14,587.520	acre-ft/yr
Billed unmetered:	<input type="button" value="+"/> <input type="button" value="?"/> n/a	0.000	acre-ft/yr
Unbilled metered:	<input type="button" value="+"/> <input type="button" value="?"/> n/a	0.000	acre-ft/yr
Unbilled unmetered:	<input type="button" value="+"/> <input type="button" value="?"/> 5	41.337	acre-ft/yr

Click here: for help using option buttons below

Pcnt:	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	Value:	<input type="text" value="41.337"/>	acre-ft/yr
-------	--	--------	-------------------------------------	------------

Use buttons to select percentage of water supplied OR value

AUTHORIZED CONSUMPTION: **14,628.857** acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

1,906.073 acre-ft/yr

Apparent Losses

Unauthorized consumption: **41.337** acre-ft/yr

Enter a positive value, otherwise a default percentage of 0.25% is applied and a grading of 5 is applied but not displayed

Customer metering inaccuracies:	<input type="button" value="+"/> <input type="button" value="?"/> 3	297.704	acre-ft/yr
Systematic data handling errors:	<input type="button" value="+"/> <input type="button" value="?"/> 5	36.469	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: **375.511** acre-ft/yr

Pcnt:	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	Value:	<input type="text" value=""/>	acre-ft/yr
-------	--	--------	-------------------------------	------------

2.00%	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	<input type="text" value=""/>	acre-ft/yr
0.25%	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	<input type="text" value=""/>	acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **1,530.562** acre-ft/yr

WATER LOSSES: **1,906.073** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **1,947.410** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	<input type="button" value="+"/> <input type="button" value="?"/> 7	374.5	miles
Number of <u>active AND inactive</u> service connections:	<input type="button" value="+"/> <input type="button" value="?"/> 7	20,954	
Service connection density:	<input type="button" value="?"/> 56	56	conn./mile main

Are customer meters typically located at the curbside or property line?

Average length of customer service line: (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 3 psi

COST DATA

Total annual cost of operating water system:	<input type="button" value="+"/> <input type="button" value="?"/> 10	\$31,335,356	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="button" value="+"/> <input type="button" value="?"/> 8	\$2.26	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="button" value="+"/> <input type="button" value="?"/> 7	\$299.95	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 53 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Water imported
- 3: Customer metering inaccuracies



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association

?	Click to access definition
+	Click to add a comment

Water Audit Report for: West Valley Water District (CA3610004)
Reporting Year: 2017 / 1/2017 - 12/2017

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+ ?	3	14,217.630	acre-ft/yr
Water imported:	+ ?	3	5,803.550	acre-ft/yr
Water exported:	+ ?	3	1,477.000	acre-ft/yr

Master Meter and Supply Error Adjustments

Pcnt:	Value:		
+ ?	2	<input type="radio"/>	<input type="radio"/>
+ ?	2	<input type="radio"/>	<input type="radio"/>
+ ?	2	<input type="radio"/>	<input type="radio"/>

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: 18,544.180 acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	+ ?	7	16,320.980	acre-ft/yr
Billed unmetered:	+ ?	n/a	0.000	acre-ft/yr
Unbilled metered:	+ ?	n/a	0.000	acre-ft/yr
Unbilled unmetered:	+ ?	5	46.950	acre-ft/yr

Click here: ?
for help using option buttons below

Pcnt: Value: 46.950 acre-ft/yr

Use buttons to select percentage of water supplied
OR
value

Pcnt: 0.25% Value: acre-ft/yr

2.00% 0.25% acre-ft/yr

AUTHORIZED CONSUMPTION: 16,367.930 acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

2,176.250 acre-ft/yr

Apparent Losses

Unauthorized consumption: 46.360 acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies: 333.081 acre-ft/yr

Systematic data handling errors: 40.802 acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 420.244 acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 1,756.006 acre-ft/yr

WATER LOSSES: 2,176.250 acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: 2,223.200 acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ?	7	375.4	miles
Number of <u>active AND inactive</u> service connections:	+ ?	7	21,424	
Service connection density:	?		57	conn./mile main

Are customer meters typically located at the curbside or property line? Yes

Average length of customer service line: 70.0 psi (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 70.0 psi

COST DATA

Total annual cost of operating water system:	+ ?	10	\$30,669,773	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ?	8	\$2.31	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ?	7	\$293.91	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 53 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Water imported
- 3: Customer metering inaccuracies



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association

Click to access definition
 Click to add a comment

Water Audit Report for: West Valley Water District (CA3610004)
Reporting Year: 2018 / 1/2018 - 12/2018

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->			
Volume from own sources:	+ ?	5	13,061.140 acre-ft/yr
Water imported:	+ ?	9	7,334.970 acre-ft/yr
Water exported:	+ ?	7	1,197.430 acre-ft/yr

Master Meter and Supply Error Adjustments

		Pcnt:	Value:	
+ ?	2	<input type="radio"/>	<input type="radio"/>	acre-ft/yr
+ ?	3	<input type="radio"/>	<input type="radio"/>	acre-ft/yr
+ ?	2	<input type="radio"/>	<input type="radio"/>	acre-ft/yr

Enter negative % or value for under-registration
 Enter positive % or value for over-registration

WATER SUPPLIED: 19,198.680 acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	+ ?	7	17,295.000 acre-ft/yr
Billed unmetered:	+ ?	n/a	0.000 acre-ft/yr
Unbilled metered:	+ ?	n/a	0.000 acre-ft/yr
Unbilled unmetered:	+ ?		239.984 acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: 17,534.984 acre-ft/yr

Click here: for help using option buttons below

Pcnt: 1.25% Value: acre-ft/yr

Use buttons to select percentage of water supplied OR value

Pcnt: 0.25% Value: acre-ft/yr

2.00% acre-ft/yr
0.25% acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

1,663.697 acre-ft/yr

Apparent Losses

Unauthorized consumption: 47.997 acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+ ?	3	352.959	acre-ft/yr
Systematic data handling errors:	+ ?		43.238	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 444.193 acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 1,219.503 acre-ft/yr

WATER LOSSES: 1,663.697 acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: 1,903.680 acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ?	7	375.4	miles
Number of <u>active AND inactive</u> service connections:	+ ?	7	21,946	
Service connection density:	?		58	conn./mile main

Are customer meters typically located at the curbside or property line? Yes

Average length of customer service line: 70.0 psi

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 70.0 psi

COST DATA

Total annual cost of operating water system:	+ ?	10	\$29,630,530	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ?	9	\$2.34	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ?	5	\$281.72	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 65 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Customer metering inaccuracies

3: Variable production cost (applied to Real Losses)



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association

Click to access definition
 Click to add a comment

Water Audit Report for: West Valley Water District (CA3610004)
Reporting Year: 2019 1/2019 - 12/2019

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' -----

Volume from own sources:	+ ?	5	12,924.702	acre-ft/yr
Water imported:	+ ?	9	7,160.780	acre-ft/yr
Water exported:	+ ?	7	1,359.335	acre-ft/yr

Master Meter and Supply Error Adjustments

Pcnt:	Value:	
2	<input type="radio"/>	acre-ft/yr
3	<input type="radio"/>	acre-ft/yr
2	<input type="radio"/>	acre-ft/yr

WATER SUPPLIED: 18,726.147 acre-ft/yr

Enter negative % or value for under-registration
 Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Billed metered:	+ ?	8	16,136.158	acre-ft/yr
Billed unmetered:	+ ?	n/a	0.000	acre-ft/yr
Unbilled metered:	+ ?	9	554.000	acre-ft/yr
Unbilled unmetered:	+ ?		234.077	acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: 16,924.235 acre-ft/yr

Click here: for help using option buttons below

Pcnt: 1.25% Value: acre-ft/yr

Use buttons to select percentage of water supplied OR value

Pcnt: 0.25% Value: acre-ft/yr

2.00% 0.25%

WATER LOSSES (Water Supplied - Authorized Consumption)

1,801.912 acre-ft/yr

Apparent Losses

Unauthorized consumption: 46.815 acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+ ?	5	340.615	acre-ft/yr
Systematic data handling errors:	+ ?		40.340	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 427.771 acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 1,374.141 acre-ft/yr

WATER LOSSES: 1,801.912 acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: 2,589.989 acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ?	7	397.3	miles
Number of <u>active AND inactive</u> service connections:	+ ?	9	22,481	
Service connection density:	?		57	conn./mile main

Are customer meters typically located at the curbstop or property line? Yes

(length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 3 70.0 psi

COST DATA

Total annual cost of operating water system:	+ ?	10	\$31,584,583	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ?	9	\$2.34	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ?	5	\$277.55	\$/acre-ft

Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 69 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Customer metering inaccuracies
- 3: Variable production cost (applied to Real Losses)

J-9: Water Shortage Contingency Plan

This appendix includes the current Water Shortage Contingency Plan (WSCP) at the time of adoption of the 2020 IRWUMP, however the WSCP may be amended separately in the future. Contact WVWD to obtain the most current version of the WSCP.

West Valley Water District Water Shortage Contingency Plan

JUNE 2021

West Valley Water District



WEST VALLEY WATER DISTRICT



Water Shortage Contingency Plan

West Valley Water District

JUNE 2021

Prepared by Water Systems Consulting, Inc.



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ACRONYMS & ABBREVIATIONS

AWIA	American Water Infrastructure Association
BTAC	Basin Technical Advisory Committee
CWC	California Water Code
CII	Commercial, Industrial, and Institutional
DWR	California Department of Water Resources
DRA	Drought Risk Assessment
ERP	Emergency Response Plan
GW	Groundwater
IRUWMP	Integrated Regional Urban Water Management Plan
RRA	Risk and Resilience Assessment
SBMWD	San Bernardino Municipal Water Department
SWP	State Water Project
UWWP	Urban Water Management Plan
WSCP	Water Shortage Contingency Plan

WATER SHORTAGE CONTINGENCY PLAN

West Valley Water District

This Water Shortage Contingency Plan is a strategic plan that the West Valley Water District uses to prepare for and respond to water shortages.

The Water Shortage Contingency Plan (WSCP) is a strategic plan that West Valley Water District (WVWD) uses to prepare for and respond to foreseeable and unforeseeable water shortages. A water shortage occurs when water supply available is insufficient to meet the normally expected customer water use at a given point in time. A shortage may occur due to a number of reasons, such as water supply quality changes, climate change, drought, regional power outage, and catastrophic events (e.g., earthquake). Additionally, the State may declare a statewide drought emergency and mandate that water suppliers reduce demands, as occurred in 2014. The WSCP serves as the operating manual that WVWD will use to prevent catastrophic service disruptions through proactive, rather than reactive, mitigation of water shortages. This WSCP provides a process for an annual water supply and demand assessment and structured steps designed to respond to actual conditions. This level of detailed planning and preparation provide accountability and predictability and will help WVWD maintain reliable supplies and reduce the impacts of any supply shortages and/or interruptions.

This WSCP was prepared in conjunction with WVWD's 2020 UWMP, which is included in the 2020 Upper Santa Ana River Watershed Integrated Urban Water Management Plan (2020 IRUWMP) and is a standalone document that can be modified as needed. This document is compliant with the California Water Code (CWC) Section 10632 and incorporated guidance from the State of California Department of Water Resources (DWR) UWMP Guidebook.

IN THIS SECTION

- Water Service Reliability
- Annual Water Supply and Demand Assessment
- Supply Shortage Stages and Response Actions

The WSCP describes the following:

1. **Water Service Reliability Analysis:** Summarizes WVWD’s water supply analysis and reliability and identifies any key issues that may trigger a shortage condition.
2. **Annual Water Supply and Demand Assessment Procedures:** Describes the key data inputs, evaluation criteria, and methodology for assessing the system’s reliability for the coming year and the steps to formally declare any water shortage stages and response actions.
3. **Water Shortage Stages:** Establishes water shortage stages to clearly identify and prepare for shortages.
4. **Shortage Response Actions:** Describes the response actions that may be implemented or considered for each stage to reduce gaps between supply and demand.
5. **Communication Protocols:** Describes communication protocols under each stage to ensure customers, the public, and government agencies are informed of shortage conditions and requirements.
6. **Compliance and Enforcement:** Defines compliance and enforcement actions available to administer demand reductions.
7. **Legal Authority:** Lists the legal documents that grant WVWD the authority to declare a water shortage and implement and enforce response actions.
8. **Financial Consequences of WSCP Implementation:** Describes the anticipated financial impact of implementing water shortage stages and identifies mitigation strategies to offset financial burdens.
9. **Monitoring and Reporting:** Summarizes the monitoring and reporting techniques to evaluate the effectiveness of shortage response actions and overall WSCP implementation. Results are used to determine if additional shortage response actions should be adjusted.
10. **WSCP Refinement Procedures:** Describes the factors that may trigger updates to the WSCP and outlines how to complete an update.
11. **Plan Adoption, Submittal, and Availability:** Describes the process for the WSCP adoption, submittal, and availability after each revision.

1.0 Water Service Reliability Analysis

As part of the 2020 IRUWMP, WVWD completed a water supply reliability analysis for normal, single-dry, and five-year consecutive dry year periods from 2025-2045. A Drought Risk Assessment (DRA) was also performed to analyze supply reliability under five consecutive years of drought from 2021-2025. As described in [Chapter 3](#) of the 2020 IRUWMP, the effects of a local drought are not immediately recognized since the region uses the local groundwater basins to simulate a large reservoir for long term storage. WVWD is able to pump additional groundwater to meet increased demands in dry years and participates in efforts to replenish the basins with imported and local water through regional recharge programs. Additionally, WVWD implements several ongoing water conservation measures. Regional recharge programs and conservation help to optimize and enhance the use of regional water resources. **Based on the 2020 IRUWMP analysis, WVWD's water supply is reliable and not expected to see impactful change under drought conditions.**

Even though localized drought conditions should not affect supply, other shortages may occur due to a number of reasons, such as water supply quality changes, regional power outage, State mandates for water use efficiency standards, and catastrophic events (e.g., earthquake). Therefore, WVWD will use this WSCP as appropriate to address shortages and other supply emergencies.

2.0 Annual Water Supply and Demand Assessment

As an urban water supplier, WVWD must prepare and submit an Annual Water Supply and Demand Assessment (Annual Assessment). Starting in 2022, the Annual Assessment will be due by July 1 of every year, as indicated by CWC Section 10632.1. The Annual Assessment is an evaluation of the near-term outlook for supplies and demands to determine whether the potential for a supply shortage exists and whether there is a need to trigger a WSCP shortage stage and response actions in the current calendar year to maintain supply reliability. This process will take place at the same time each year based on known circumstances and information available to WVWD at the time of analysis and can be update or revised at any time if circumstances change.

WVWD will establish and convene an internal WSCP Team to conduct the Annual Assessment each year. The WSCP may include the following staff:

- **Assistant General Manager**
- **Engineering Services Manager**
- **Operations Manager**
- **Production Supervisor**
- **Chief Water Treatment Plant Operator**
- **Director of Finance**

The Annual Assessment procedure, including key data inputs and evaluation criteria, is summarized in [Table 1](#). The Annual Assessment procedure and timeline, along with how it integrates with the annual assessment that will be conducted on a regional basis in parallel, is shown graphically in [Figure 1](#).

Table 1. Annual Assessment Procedure

TIMING	ASSESSMENT ACTIVITIES	PROCEDURE, KEY DATA INPUTS, EVALUATION CRITERIA AND OTHER CONSIDERATIONS	STAFF RESPONSIBLE
JAN - FEB	Estimate unconstrained demands for coming year	Demands will be estimated based on water sales forecasts from annual budget or prior year demands plus any anticipated changes	Engineering Services Manager, Director of Finance
JAN - FEB	Estimate available supplies for the year, considering the following year will be dry	<p>Each December, WVWD submits an order to Valley District for the volume of SWP water that is planned for use the following year. If the requested volume is not available due to reduced SWP supplies, WVWD will meet with Valley District and other SWP users to discuss reducing SWP orders and may update the Annual Assessment to reflect a shift from SWP to groundwater production, if needed.</p> <p>Estimates of available surface water supplies from the Lytle Creek will be based on annual precipitation and local mountain snowpack.</p> <p>The remainder of supply needs not met from SWP and surface water will be pumped from groundwater basins. The groundwater basins are sustainably managed to provide long term supply reliability and is not anticipated to be impacted in dry years. In the unlikely event that local supplies are reduced, WVWD will coordinate with the BTAC to identify available supplies for the coming year.</p>	Operations Manager, Chief Water Treatment Plant Operator
JAN - FEB	Consider potential constraints that may impact supply delivery	<p>Identify any known regional or WVWD 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.</p> <p>Identify any facilities out of service due to water quality problems, equipment failure, etc. that may impact normal water deliveries.</p> <p>Identify any potential or emerging impacts to groundwater quality, such as emerging regulatory constraints that may limit use of available supplies for potable needs.</p>	Operations Manager, Chief Water Treatment Plant Operator, Production Supervisor, Engineering Services Manager

TIMING	ASSESSMENT ACTIVITIES	PROCEDURE, KEY DATA INPUTS, EVALUATION CRITERIA AND OTHER CONSIDERATIONS	STAFF RESPONSIBLE
FEB	Convene WSCP Team to conduct Annual Assessment	<p>Compare supplies and demands and discuss any constraints that may impact supply delivery. If the potential for a shortage exists, determine which shortage response stage and actions are recommended to reduce/eliminate the shortage.</p> <p>Additionally, if the State declares a drought state of emergency and requires demand reductions, the WSCP Team will determine which water shortage stage and response actions are needed to comply with the State mandate.</p>	WSCP Team
JUNE	Board of Directors	<p>If the potential for a shortage exists or the State has mandated demand reductions, the results of the Annual Assessment will be presented to the WVWD Board of Directors, including the recommended shortage stage and response actions. The Board of Directors may order the implementation of a shortage stage and will adopt a resolution declaring the applicable water shortage stage.</p>	<p>General Manager</p> <p>Board of Directors</p>
ON-GOING	Implement WSCP actions, if needed	<p>Relevant members of WVWD staff will implement shortage response actions associated with the declared water shortage stage</p>	WSCP Team
BY JULY 1	Submit Retail Annual Assessment	<p>Send Final Retail Annual Assessment to DWR</p>	<p>Engineering Services Manager</p>

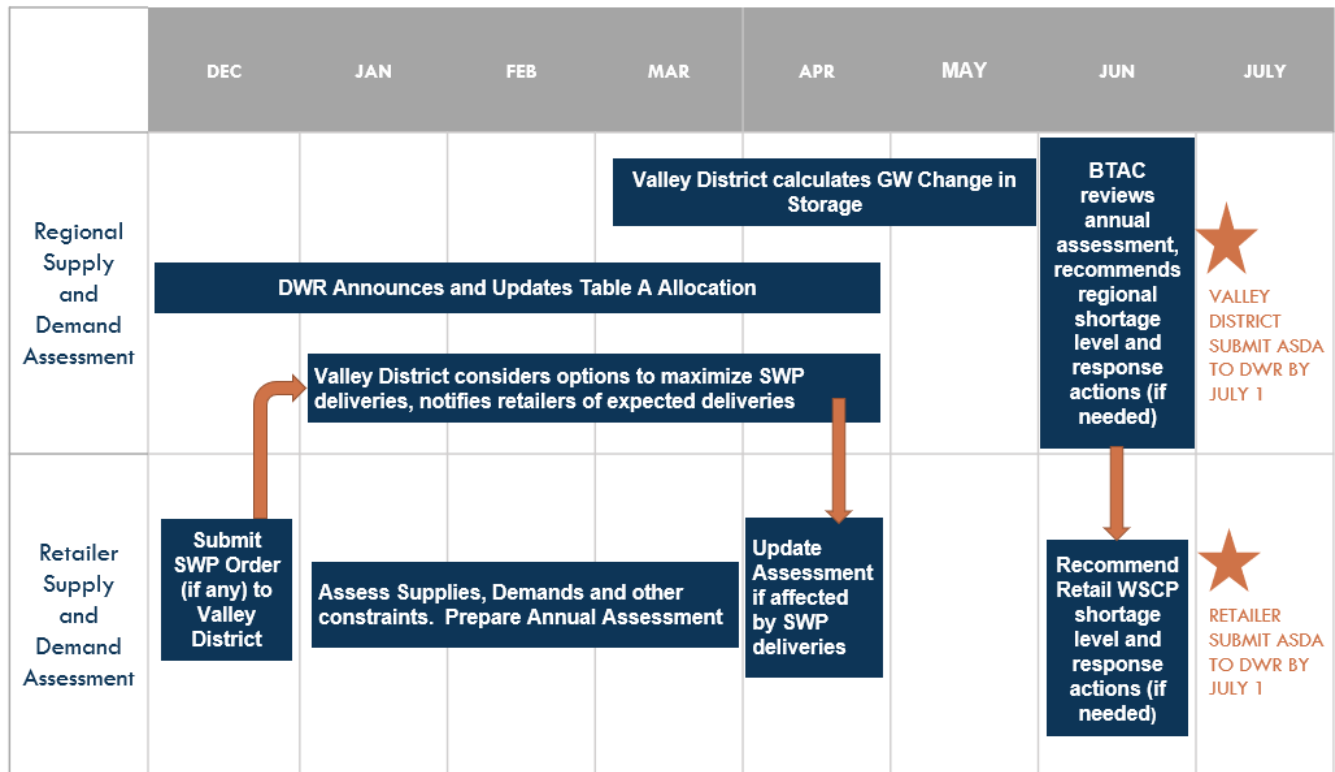


Figure 1. Regional and Retail Agency Annual Assessment Process and Timeline

3.0 Water Shortage Stages

With the exception of a catastrophic failure of infrastructure, WVWD does not foresee imposing a water shortage stage except under the State’s direction, as occurred in 2014 or in the event of catastrophic infrastructure failure. If a potential water supply shortage is identified in the Annual Assessment, this section provides information on the water shortage stages and response actions that WVWD may implement.

WVWD uses four (4) shortage stages to identify and respond to water shortage emergencies. At a minimum, WVWD encourages baseline conservation efforts year-round, regardless of a shortage emergency.

Stage I – Normal Conditions:

Normal supply and distribution capacity is available. All policies shown in Section 2403 and the following water conservation measures shall apply.

Stage II – Water Alert:

The District may not be able to meet all water demands of all customers, unless the following water conservation measures are applied.

Stage III – Water Warning (includes sub-stages A, B, and C):

District is not able to meet all water demands of all customers; therefore, the following water conservation measures listed in [Table 4](#) shall apply.

Stage IV: Water Emergency

District is not able to meet all water demands of all customers; therefore, the following water conservation measures listed in [Table 4](#) shall apply.

The CWC outlines six standard water shortage stages that correspond to a gap in supply compared to normal year availability. The six standard water shortage stages correspond to progressively increasing estimated shortage conditions (up to 10-, 20-, 30-, 40-, 50-percent, and greater than 50-percent shortage compared to the normal reliability condition) and align with the response actions that a water supplier would implement to meet the severity of the impending shortages.

The CWC allows suppliers with an existing WSCP that uses different water shortage stages to comply with the six standard stages by developing and including a cross-reference relating its existing shortage categories to the six standard water shortage stages. WVWD is maintaining the current four shortage stages for this WSCP. A crosswalk defines how WVWD’s current water shortage stages will align with the DWR’s standardized 6 stages of shortage. A visual representation of this alignment is shown in [Figure 2](#).

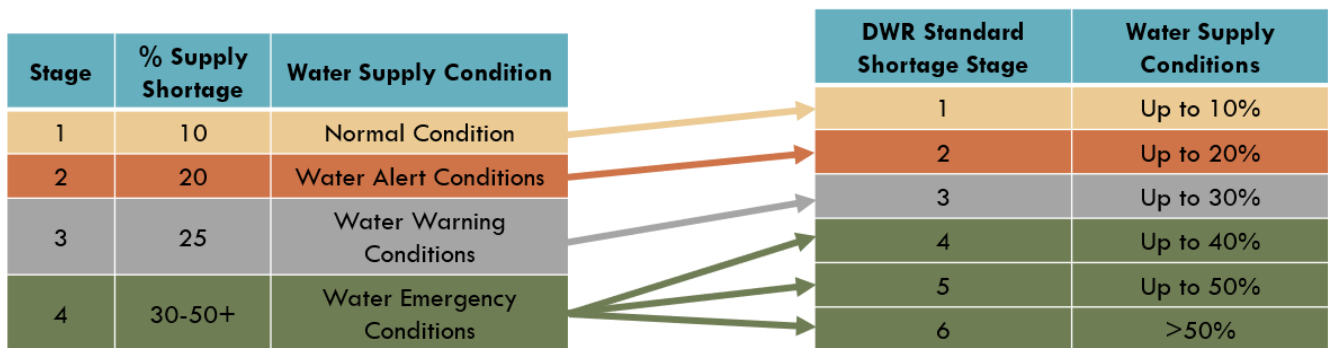


Figure 2. Crosswalk to DWR Six Standard Stages

Table 2: DWR 8-1 Water Shortage Contingency Plan Stages

SHORTAGE STAGE	PERCENT SHORTAGE RANGE ¹ (NUMERICAL VALUE AS A PERCENT)	WATER SHORTAGE CONDITION
1	Up to 10%	Normal Conditions (WVWD Stage 1)
2	Up to 20%	Water Alert Condition (WVWD Stage 2)
3	Up to 30%	Water Warning Condition (WVWD Stage 3, 3A, 3B, and 3C)
4	Up to 40%	Water Emergency Condition (WVWD Stage 4)
5	Up to 50%	Water Emergency Condition (WVWD Stage 4)
6	>50%	Water Emergency Condition (WVWD Stage 4)

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

4.0 Shortage Response Actions

This section was completed pursuant to CWC Section 10632(a)(4) and 10632.5(a) and describes the response actions that must be implemented or considered for each stage to minimize social and economic impacts to the community.

In accordance with CWC 10632(b) WVWD analyzes and defines water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.

4.1 Supply Augmentation

Table 3 identifies the supply augmentation actions WVWD can take in the event of a water shortage condition. WVWD currently maintains interconnections with the Cities of Rialto, Colton and San Bernardino, the Fontana Water Company, Marygold Mutual Water Company. During water shortage emergencies, WVWD may be able to obtain supplemental water supply through these connections, if available.

Table 3: DWR 8-3R Supply Augmentation & Other Actions

SHORTAGE STAGE	SUPPLY AUGMENTATION METHODS AND OTHER ACTIONS BY WATER SUPPLIER	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE
4	Other purchases	0-100%	WVWD currently has interconnections with the Cities of Rialto, Colton and San Bernardino, the Fontana Water Company, Marygold Mutual Water Company, and Valley District

4.2 Demand Reduction

In addition to prohibitions on end uses, WVWD offers various rebates to encourage conservation (i.e. ultra-low flush toilet replacements, high efficiency washing machines, etc.). WVWD has a water rate structure that promotes water efficiency. The reduction goal is to balance supply and demand. **Table 4** summarizes these efforts and end use prohibitions.

Table 4: DWR 8-2 Demand Reduction Actions

SHORTAGE STAGE	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
All	Expand Public Information Campaign	0-20%	Provide reminder notices regarding noted water waste and offer community outreach programs	No
1	Landscape - Other landscape restriction or prohibition	0-5%	The use of sprinklers for any type of irrigation during high winds is prohibited.	Yes

SHORTAGE STAGE	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
1	Landscape - Limit landscape irrigation to specific times	0-5%	Limit all landscape irrigation to between the hours of 8:00 p.m. and 6:00 a.m. Hand watering should be done between 6:00 p.m. and 8:00 a.m. Drip irrigation and hand watering while gardening is exempt from this recommendation. Water being used during repair or maintenance of watering system is exempt from this section.	Yes
1	Landscape - Restrict or prohibit runoff from landscape irrigation	0-5%	Use of water for outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures is prohibited.	Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	No person shall permit water to leak from any facility, improvement or plumbing fixture on his/her/its premises; said leak shall be repaired in a timely manner.	Yes
1	Other - Require automatic shut of hoses	0-1%	Washing of automobiles, trucks, trailer, boats, and other mobile equipment is prohibited unless done with a hand held device equipped with an automatic shut off trigger nozzle. This does not apply to commercial car washes utilizing a recycling system or when the health and safety of the public would necessitate.	Yes
1	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	No water shall be used to clean, fill, operate or maintain levels in decorative fountains unless the water is part of a recycling system.	Yes
1	Other - Prohibit use of potable water for washing hard surfaces	0-1%	There shall be no application of water to sidewalks, walkways, driveways, parking areas, patios, porches, verandas, tennis courts, or other paved, concrete, or other hard surface areas, except that flammable or other similarly dangerous or unhealthy substances may be washed from said areas by direct hose flushing for the benefit of public health or safety.	Yes
1	Landscape - Prohibit certain types of	0-5%	The irrigation of potable water of ornamental turf on public street medians is prohibited. The	Yes

SHORTAGE STAGE	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
	landscape irrigation		term “median” shall mean the strip of land between street lanes.	
2	Decrease Line Flushing	0-1%		No
2	Other	0-1%	Use historical data instead of performing fire flow tests for new developments	No
2	Other	0-1%	Screen all new applications for water service installations and limit water use before occupancy	No
2	Reduce System Water Loss	0-1%	Repair all leaks within 72 hours	No
2	CII - Restaurants may only serve water upon request	0-1%	All restaurants prohibited from serving water to their customers except when requested by customer.	Yes
2	CII - Lodging establishment must offer opt out of linen service	0-1%	Operators of hotels and motels must provide guests with the option of choosing not to have towels and linens laundered daily. The hotels and motels shall prominently display notice of this option in each guestroom using clear and easily understood language.	Yes
2	Landscape - Limit landscape irrigation to specific days	0-5%	Limit all landscape irrigation to four (4) days per week for no more than ten (10) minutes per station per day. This provision does not apply to any landscape that has waterefficient devices that are operated properly. Waterefficient devices are drip irrigation systems and operational weather-based irrigation controllers. The term “week” is defined as Sunday through Saturday.	Yes
2	Other - Prohibit use of potable water for construction and dust control	0-1%	District will screen all new applications for water service installations and will limit water use before occupancy to that essential use for construction and testing of landscape plumbing. Limited landscaping for new development shall be allowed as approved by the District. Water use for compaction, dust control, and other types of construction shall be by permit only and will be limited to conditions of the permit or may be prohibited as determined by the General Manager or his/her designee.	Yes
2	Other - Customers must	0-1%	Repair all leaks within seventy-two (72) hours of notification by the District unless other	Yes

SHORTAGE STAGE	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
	repair leaks, breaks, and malfunctions in a timely manner		arrangements are made with the general manager of the District ("General Manager").	
2	Landscape - Other landscape restriction or prohibition	0-5%	Irrigating landscaping, including, but not limited to, turf and ornamental landscapes during and within forty-eight (48) hours following measurable precipitation is prohibited.	Yes
2	Other water feature or swimming pool restriction	0-1%	Swimming pools, hot tubs, and spas shall not be filled or refilled after being drained.	Yes
2	Other water feature or swimming pool restriction	0-1%	Ornamental pools, fountains, water displays, and artificial lakes shall not be filled or refilled after being drained.	Yes
2	Other - Prohibit use of potable water for construction and dust control	0-1%	Water used for compaction, dust control, and other types of construction shall be by permit only and will be limited to conditions of the permit or may be prohibited as determined by the General Manager, or his/her designee.	Yes
3	Reduce System Water Loss	0-1%	Repair all leaks within 48 hours	No
3A	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	0-1%	Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment are prohibited. Washing of the above-listed vehicles or mobile equipment shall be allowed only at a commercial car wash where recirculating water is being utilized.	Yes
3A	Landscape - Limit landscape irrigation to specific times	0-5%	All agricultural water users shall irrigate only at times approved by the District.	Yes
3A	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	Swimming pools, hot tubs, and spas shall not be refilled or filled after being drained.	Yes

SHORTAGE STAGE	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
3A	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	Ornamental pools, fountains, water displays, and artificial lakes shall not be refilled or filled after being drained.	Yes
3A	Landscape - Limit landscape irrigation to specific days	0-5%	Limit all landscape irrigation to three (3) days per week for no more than ten (10) minutes per station per day. Drip systems that are operated efficiently are exempt from these regulations.	Yes
3A	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	Repair all leaks within forty-eight (48) hours of notification by the District unless other arrangements are made with the General Manager.	Yes
3B	Landscape - Limit landscape irrigation to specific days	5-20%	Limit all landscape irrigation to two (2) days per week for no more than ten (10) minutes per station per day.	Yes
3C	Landscape - Limit landscape irrigation to specific days	10-30%	Limit all landscape irrigation to one (1) day per week for no more than ten (10) minutes per station per day.	Yes
4	Landscape - Prohibit all landscape irrigation	10-30%	No lawn or landscape water will be allowed	Yes
4	Other - Prohibit use of potable water for construction and dust control	0-5%	No construction water use to be allowed, construction meters to be locked off or removed.	Yes
4	CII - Other CII restriction or prohibition	0-5%	Commercial nurseries shall water only between the hours of 11:00 p.m. and 6:00 a.m. and only with hand-held devices or with drip irrigation systems.	Yes
4	Landscape - Prohibit all landscape irrigation	10-30%	The use of water shall be limited to essential household, commercial, manufacturing, or processing uses only, except where other uses may be allowed by permit	Yes

SHORTAGE STAGE	DEMAND REDUCTION ACTIONS	HOW MUCH IS THIS GOING TO REDUCE THE SHORTAGE GAP?	ADDITIONAL EXPLANATION OR REFERENCE	PENALTY, CHARGE, OR OTHER ENFORCEMENT
4	Landscape - Limit landscape irrigation to specific times	0-5%	All agricultural water users shall irrigate only at times approved by the District.	Yes

4.3 Operational Changes and Additional Mandatory Restrictions

During shortage conditions, operations may be affected by supply augmentation or demand reduction responses. WVWD will consider their operational procedures when it completes its Annual Assessment. Any additional mandatory restrictions implemented in response to the declaration of a shortage response stage, beyond the actions listed in [Table 3](#) and [Table 4](#) are listed in WVWD’s Ordinance Number 80 Article No. 24 provided as [Attachment 1](#).

4.4 Emergency Response Plan

In 2021, WVWD 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 WVWD’s infrastructure. The RRA assessed WVWD’s water system to identify critical assets and processes that may be vulnerable to human and natural hazards, and to identify 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 system-wide vulnerabilities and threats and quantifies the consequences of disruption. The RRA also identifies various options (and constraints) in addressing and mitigating risk. The RRA, in conjunction with the Emergency Response Plan (ERP), charts a course for water system resilience. The RRA also provided various recommendations to increase reliability of WVWD’s system. Since critical pieces of infrastructure and specific vulnerabilities are detailed in the RRA and ERP, the contents of the document are confidential and for use by WVWD’s staff only. However, WVWD can confirm that these plans meet the requirements set forth by AWIA and evaluate seismic risks and mitigation actions to WVWD’s infrastructure.

In the event of a water shortage emergency resulting from equipment failure, power outage, or other catastrophe, WVWD is prepared to purchase emergency water supplies from nearby agencies while repairs or other remedial actions are underway. WVWD may also implement its four-stage plan for conservation, as described above, with either voluntary or mandatory reductions depending on the severity of the shortage. For severe disasters (Stage 4), mandatory water use reductions are specified.

4.5 Seismic Risk Assessment and Mitigation Plan

Disasters, such as earthquakes, can and will occur without notice. In order to respond to disasters WVWD has assessed the seismic risk and reliance of WVWD’s water facilities in the RRA mentioned in the section above.

In the event of an extended multi-week supply shortages due to natural disasters or accidents which damage all water source, WVWD’s 25 storage reservoirs have a combined capacity of over 72 million gallons, which is sufficient water to meet the health and safety requirements of 50 gallons per day per capita for approximately

80,000 residents for 18 days. This assumes zero non-residential use. Under emergency power outages or catastrophic earthquake conditions, the existing storage is expected to provide a supply of four days of average day demand or 2.5 days under maximum summer demand. WVWD also has interconnections with other agencies for emergency supplies.

WVWD has portable back-up generators that can be used in the event of an area-wide power outage. These generators can be located on both wells and booster stations to continue water production. These generators will be located in the northern part of the distribution system. Water can then be boosted to higher zones or gravity fed to the lower zones. In addition to the portable generators, WVWD will be installing back-up generators at the Zone 5 and 6 booster stations.

4.6 Shortage Response Action Effectiveness

WVWD has estimated the effectiveness of shortage response actions in [Table 3](#) and [Table 4](#) when data pertaining to such actions is available. It is expected that response actions effectiveness is also a result of successful communication and outreach efforts.

5.0 Communication Protocols

The West Valley Water District prioritizes effective communication, especially in times of a water shortage emergency. WVWD routinely communicates to customers about details on when a stage is announced. Communication actions may include bill inserts, handouts, informative flyers, and direct mail pieces to newspaper and bus shelter advertisements, news releases, social media outreach, and website content. WVWD continues to provide reminders about shortage stages and encourages conservation at all times.

6.0 Compliance and Enforcement

Consumption limits in the progressively restrictive stages are imposed on different uses. These are based on percentage reductions in water allotments, and restrictions on specific uses. The specific percentage reductions at each stage and for each user class are detailed in the ordinance. The individual customer allotments will be based on the previous year's use. This provides WVWD a basis for reviewing appeals.

Mandatory provisions to reduce water use during the different stages of water shortage are also summarized in the ordinance. Provisions of Article 24 - Water Conservation, adopted August 6, 2015, were adopted pursuant to Sections 375 and 376 of the CWC. Any second or subsequent violation of this policy after notice as specified in Section 2411 1(a) is a misdemeanor (CWC Section 377).

In addition to the remedy of criminal prosecution available to the District, violation of the Ordinance may result in the imposition of surcharges and restriction and/or termination of water service as set forth below:

1. **First Violation** – Notice of Non-Compliance – a written warning accompanied by a copy of this Ordinance, delivered by U.S. Mail and/or hung on customer's door.
2. **Second Violation – Warning of Penalties** – a written warning notice of future imposition of penalties that could be placed on the customer's water bill.

3. **Third Violation (within one (1) year)** - a surcharge of \$100.00.
4. **Fourth Violation (within one (1) year of the first violation)** – a surcharge of \$300.00, and installation of flow restricting device in the meter for a minimum of ninety-six (96) hours. Said restricted flow shall meet minimum County Health Department’s standards, if any have been established. If said ninety-six (96) hour period ends on a weekend or holiday, full service will be restored during the next business day.
5. **Fifth Violation (within one (1) year of the first violation)** – a surcharge of \$500.00, and termination of service for such period as the Board determines to be appropriate under the circumstances, following a hearing regarding said issue. Written notice of the hearing shall be mailed to the customer at least ten (10) days before the hearing.

Any surcharge hereunder shall be in addition to the basic water rates and other charges of the District for the account and shall appear on and be payable with the billing statement for the period during which the violation occurred; non-payment shall be subject to the same remedies available to the District as for non-payment of basic water rates.

In addition to any surcharge, a customer violating this Ordinance shall be responsible for payment of the District's charges for installing and/or removing any flow restricting device and for disconnecting and/or reconnecting service per the District's Schedule of Charges then in effect. Such charges shall be paid prior to the removal of the flow restrictor or reconnection of service, whichever the case may be.

7.0 Legal Authorities

To offset the prolonged effects of the drought periods, the Board of Directors adopted a Water Conservation Plan with Ordinance No. 68 on July 5, 1990 by adding Article No. 24 entitled “Water Conservation” to its water service regulations and a WSCP with Ordinance No. 69 on February 6, 1992 which amended portions of the Water Conservation Plan. On August 6, 2015, the Board of Directors amended Resolution No. 387 through Ordinance Number 80, included as [Attachment 1](#), which established water service regulations, schedules of rates, and charges. Article No. 24 describes Water Conservation objectives and outlines four stages of action to be implemented during a water shortage. WVWD’s Plan includes voluntary and mandatory stages.

The purpose of Article 24 is to provide water conservation measures in order to minimize the effect of a water shortage on the citizens of, and the economic well-being of, the communities WVWD serves. This Article adopts provisions that will significantly reduce the wasteful and inefficient consumption of water, thereby extending the available water resources required for the domestic, sanitation, and fire protection needs of the citizens of the communities they serve while reducing the hardship on WVWD and the general public to the greatest extent possible.

7.1 Water Shortage Emergency Declaration

In accordance with CWC Section Division 1, Section 350 – WVWD shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that 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.

7.2 Local/Regional Emergency Declaration

If a water shortage is approaching, WVWD shall coordinate with any the cities and counties in its service area for the possible proclamation of a local emergency.

8.0 Financial Consequences of WSCP

To ensure WVWD's customers comply with Article 24 and CWC Chapter 3.3 (Excessive Residential Water Use During Drought), additional costs may be incurred to monitor and enforce response actions. The financial consequences a water shortage can have on WVWD and the local community will depend on the duration and level of severity. During Stages 2 through 4 of the District's WSCP, water consumption will decrease based upon each individual stage and the amount of reduction goal achieved. The impacts of these reductions will result in a reduction in water sales revenues and a reduction of water production expenditures. To mitigate the financial impacts of a water shortage, WVWD maintains sufficient funds within a Rate Stabilization Account. These funds could be used to stabilize water rates during periods of water shortage or disasters affecting the water supply.

9.0 Monitoring and Reporting

The water savings from implementation of the WSCP will be determined based on monthly production reports which are reviewed and compared to production reports and pumping statistics from prior months and the same period of the prior year. Under shortage conditions, these production reports could be prepared as often as daily. At first, the cumulative consumption for the various sectors (e.g., residential, commercial, etc.) will be evaluated for reaching the target level. Then if needed, individual accounts will be monitored. Weather and other possible influences may be accounted for in the evaluation.

10.0 WSCP Refinement Procedures

The WSCP is best prepared and implemented as an adaptive management plan. WVWD will use results obtained from their 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 trigger conditions, changes to the shortage stage structure, and/or changes to customer reduction actions.

Any prospective changes to the WSCP would need to be presented to WVWD's Board for discretionary approval. Once discretionary approval has been granted, WVWD will hold a public hearing, obtain any comments and adopt the updated WSCP. Notices for refinement and the public hearing date will be published in the local newspaper in advance of any public meetings.

11.0 Plan Adoption, Submittal and Availability

WVWD adopted this WSCP with the 2020 IRUWMP. The 2020 IRUWMP and WSCP were made available for public review in June 2021 and a public hearing was held on **June 17, 2021** to receive public input on the draft 2020 IRUWMP and the WSCP.

The WVWD Board of Directors adopted the 2020 IRUWMP and the WSCP at a public meeting on **June 17, 2021**. The resolution of adoption is included as an attachment.

This WSCP was submitted to DWR through the WUEData portal before the deadline of **July 1, 2021**.

This WSCP will be available to the public on West Valley Water District web site.

If WVWD identifies the need to amend this WSCP, it will follow the same procedures for notification to cities, counties and the public as used for the 2020 IRUWMP and for initial adoption of the WSCP.

References

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

Texas Living Waters Project. (2018). *Water Conservation by the Yard: A Statewide Analysis of Outdoor Water Savings Potential*. Austin: Texas Living Waters Project, Sierra Club, National Wildlife Federation. Retrieved from Texas Living Waters Project.

United States Environmental Protection Agency, Office of Water. (2002). *Cases in Water Conservation: How Efficiency Programs Help Water Utilities Save Water and Avoid Costs*. United States Environmental Protection Agency.

Attachment 1: WVWD'S Article No. 24 - Water Conservation

ORDINANCE NO. 80
AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE
WEST VALLEY WATER DISTRICT
RESCINDING ORDINANCE 79 AND AMENDING RESOLUTION
NO. 387, WATER SERVICE REGULATIONS, BY AMENDING
ARTICLE NO. 24 - WATER CONSERVATION

WHEREAS, Article 10, Section 2 of the California Constitution declares that waters of the State are to be put to beneficial use, that waste, unreasonable use, or unreasonable method of use of water be prevented, and that water be conserved for the public welfare; and

WHEREAS, the water resources of West Valley Water District (“District”) are limited and finite; and

WHEREAS, conservation of certain water supplies and minimization of the effects of water supply shortages that are the result of drought are essential to the public health, safety and welfare; and

WHEREAS, regulation of the time of certain water use and manner of use provide an effective and immediately available means of conserving water; and

WHEREAS, California Water Code Sections 375 et seq. authorize water suppliers to adopt and enforce a comprehensive water conservation program; and

WHEREAS, pursuant to such authority the Board of Directors (“Board”) of District adopted Ordinance No. 68 amending Resolution No. 387, to add Article 24 to the District’s Service Regulations (“Article 24”); and

WHEREAS, the Board adopted Ordinance No. 78, rescinding Ordinance No. 68, and amending Resolution No. 387, by amending Article 24; and

WHEREAS, the Board adopted Ordinance No. 79, rescinding Ordinance No. 78, and amending Resolution No. 387, by amending Article 24; and

WHEREAS, the adoption of this Ordinance will allow the District to delay or avoid the implementation of more restrictive water use regulations provided that nothing in this Ordinance will prevent the District from implementing more restrictive regulations as authorized by California Water Code Section 350 et. seq; and

WHEREAS, the District has adopted an Urban Water Management Plan (“Plan”) that includes water conservation as a necessary and effective component to provide a reliable source of water to meet the needs of the District’s customers. The Plan also includes an analysis of actions to be taken in response to water supply shortages. This Ordinance is consistent with the District’s

Plan; and

WHEREAS, the State Water Resources Control Board adopted Resolution No. 2014-0038, No. 2014-0718-01E and 2015-0032 to adopt an emergency regulation for statewide urban water conservation (“State Board Regulations”). The State Board Regulations set forth certain prohibited activities and certain actions to be taken by water suppliers, such as the District; and

WHEREAS, the water conservation measures and progressive restrictions on water use identified by this Ordinance provide certainty to water users and enable District to control water use and plan and implement water measures in a fair and orderly manner for the benefit of the public. This Ordinance is further intended to comply with the mandates of the State Board Regulations as such applies to the District.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF WEST VALLEY WATER DISTRICT does ordain that Resolution 387 is hereby amended to amend Article 24 to read as follows:

ARTICLE 24 WATER CONSERVATION

1. Purpose. The purpose of this Article is to provide water conservation measures in order to minimize the effect(s) of a water shortage on the citizens of, visitors to, and the economic well-being of the communities we serve and, by means of this Article, to adopt provisions that will significantly reduce the wasteful and inefficient consumption of water, thereby extending the available water resources required for the domestic, sanitation, and fire protection needs of the citizens of, and visitors to, the communities we serve while reducing the hardship on the District and the general public to the greatest extent possible.

2. Application. The provisions of this Article shall apply to all customers and property within the service area of the District and shall also apply to all property and facilities owned, maintained, operated, or otherwise under the jurisdiction of the District.

a) **Exception.** The prohibited uses of water provided for by this Ordinance are not applicable to that use of water necessary for public health and safety or for essential government services such as police, fire, and similar emergency services.

3. Policy. Due to the fact that we are located in a semi-arid region and our groundwater is of limited supply and in an overdraft condition and because of these conditions prevailing in the District and areas elsewhere from which the District obtains its water supplies, the general welfare requires that the water resources available to the District be put to the maximum beneficial use to the extent to which they are capable and that the wasteful, inefficient, or unreasonable use, or method of use of our previous, limited, and finite water resources be prevented.

As such, the conservation of such waters is to be exercised with a view to the reasonable and

beneficial and efficient use thereof in the interests of the people of the District and for the public welfare.

Therefore, the District establishes the following goals, objectives, policies, and four-stage water conservation plan pertaining to the conservation and use of water:

2401. GOALS

- < The conservation of water.
- < The efficient use and distribution of available water supplies.
- < Adequate and sufficient potable water supply and availability for the greatest public benefit, with particular regard to human consumption, sanitation, and fire protection.
- < Maintain high quality customer service.
- < Ensure fiscal soundness.
- < Protect environmental quality.
- < Meet growing water quality regulations.
- < To reduce water consumption in accordance with State law, including, but not limited to the State Board Regulations.

2402. OBJECTIVES

- < To conserve all available water supplies.
- < To achieve an overall water use reduction.
- < To reduce the volume of wastewater.
- < To continuously increase consumer awareness about the need for and benefits of water conservation.
- < To reduce or eliminate wasteful and inefficient uses of water.
- < To assure an adequate supply of potable water sufficient to meet the essential private and public needs of the District's growing population and economy of those communities in which we serve.
- < To assure that all new developments and existing dwellings which are remodeled or

added to are equipped with water-conserving devices, fixtures, and appliances.

< To increase the use of native or water-conserving plant species for landscaping purposes.

< The term “base year” shall have the following meaning:

- a) The year 2013, if the customer occupied the subject real property for the entire year.
- b) If the customer did not occupy the subject real property for the entire year of 2013, the base year for that customer would be the first twelve (12) months the customer occupied the subject real property in or after 2013.
- c) If the customer has not occupied the subject real property for a twelve (12) month period on the adoption of this Ordinance, then the District will use the consumption history for the period of time the customer has occupied the subject real property. If the customer has no consumption history for the subject real property then the District will determine goals for that customer based on the averaging of other real properties with similar service types and meter sizes within the same meter reading route (as determined by the District) for the months without consumption history. The customer shall have a ten (10) day period after the customer receives the goals to appeal that determination to the General Manager (as defined herein), in writing. If the customer fails to appeal the determination within the ten (10) day period the goals shall be final. Upon receipt of a timely appeal, the General Manager shall schedule a hearing at which the General Manager or his/her designated representative shall act as the hearing officer. The hearing shall be at least ten (10) days following receipt of the appeal, and the District shall mail written notice of the hearing to the customer at least ten (10) days before the date of said hearing. The determination of the hearing officer with respect to the goals shall be final.

2403. POLICIES

< As a condition of water service, all new structures shall be equipped with high efficiency toilets (1.28 gallons per flush max) as per Section 17921.3 of the California Health and Safety Code, and with low-flow showers and faucets as per Title 24, Part 6, Article 1, T20-1406F of the California Administrative Code, in addition to the insulating of all hot water lines according to California Energy Commission Rules. “New Structures” shall mean buildings obtaining occupancy permits after the effective date of this Ordinance.

As a condition of continued water service, existing structures not so equipped, which require building permits to remodel or expand, shall be retrofitted with toilet tank dams

resulting in 1.28 gallon flushes unless the toilets are to be replaced, in which case the new toilets shall be ultra low-flush (1.28gpf), as stated above, and low-flow showers and faucets. Certification of compliance with this Ordinance shall be forwarded to the District.

- < The use of lawns shall be minimized in new commercial, hotel, condominium, and high-density housing and shall be subject to District review and conditioning of projects. The use of native or water-conserving trees, shrubs, lawns, grass, ground cover, vines, and other plant species for landscape planting or replanting purposes is required and shall be approved by the District. (A list of such plants can be obtained at the District office.)
- < Large water users, as determined by the District, shall submit a water conservation plan to the District and promote implementation of same as a condition to continued service.
- < Water demand, use, and mitigation shall be address in every Environmental Impact Report.
- < The District shall:
 - a) Cooperate with other local water purveyors, appropriate state and other responsible agencies in facilitating a continuous program to increase consumer awareness about the need for and benefits of water conservation.
 - b) Encourage large water users to implement water recycling and reuse processes.
 - c) Make water conservation as reliable a method of reducing water demands as water supply projects are in meeting such demands.

2404. STAGE I - NORMAL CONDITION

Normal supply and distribution capacity is available. All policies shown in Section 2403 and the following water conservation measures shall apply.

1. Recommendations for use of water.
 - a) Limit all landscape irrigation to between the hours of 8:00 p.m. and 6:00 a.m. Hand watering should be done between 6:00 p.m. and 8:00 a.m. Drip irrigation and hand watering while gardening is exempt from this recommendation. Water being used during repair or maintenance of watering system is exempt from this section.
 - b) Water conservation should be practiced within the home or business.
 - c) All restaurants and food establishments are requested not to serve water to their customers unless specifically requested by the customer.

2. The following uses of water are hereafter considered non-essential to the public health, safety and welfare and, if allowed, would constitute the wasting of water and is hereby prohibited, pursuant to Water Code Section 350 et seq., Water Code Section 71640 et. Seq. and the common law:
 - a) There shall be no application of water to sidewalks, walkways, driveways, parking areas, patios, porches, verandas, tennis courts, or other paved, concrete, or other hard surface areas, except that flammable or other similarly dangerous or unhealthy substances may be washed from said areas by direct hose flushing for the benefit of public health or safety.
 - b) No water shall be used to clean, fill, operate, or maintain levels in decorative fountains unless such water is part of a recirculating system.
 - c) No person shall permit water to leak from any facility, improvement or plumbing fixture on his/her/its premises; said leak shall be repaired in a timely manner.
 - d) Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment are prohibited unless done with a hand-held bucket or hand-held hose equipped with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use. This section does not apply to the washing of the above-listed vehicles or mobile equipment when conducted at a commercial car wash utilizing recirculating systems.
 1. Such washings are exempted from these regulations when the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables.
 - e) Use of water for outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures is prohibited .
 - f) The use of sprinklers for any type of irrigation during high winds, which divert a significant amount of water from the intended landscaping, is prohibited.
 - g) The irrigation of potable water of ornamental turf on public street medians is prohibited. The term “median” shall mean the strip of land between street lanes.
 - h) The irrigation with potable water of landscape outside of newly constructed homes and buildings shall be consistent with regulations or other requirements establishments by the California Buildings Standards Commission, as those regulations may be modified from time to time.

2405. STAGE II - WATER ALERT

The District may not be able to meet all water demands of all customers, unless the following water conservation measures are applied:

- a) All policies and prohibitions listed in Sections 2403 and 2404.
- b) All customers are asked for a minimum twenty percent (20%) reduction of their water consumption over the base year consumption, unless otherwise stated.
- c) Operators of hotels and motels must provide guests with the option of choosing not to have towels and linens laundered daily. The hotels and motels shall prominently display notice of this option in each guestroom using clear and easily understood language.
- d) All eating establishments, including, but not limited to, restaurants, hotels, cafes, cafeterias, bars or other public places where food or drink are served and/or purchased are prohibited from serving water to their customers except when specifically requested by the customer.
- e) District will screen all new applications for water service installations and will limit water use before occupancy to that essential use for construction and testing of landscape plumbing. Limited landscaping for new development shall be allowed as approved by the District.
- f) Limit all landscape irrigation to four (4) days per week for no more than ten (10) minutes per station per day. This provision does not apply to any landscape that has water-efficient devices that are operated properly. Water-efficient devices are drip irrigation systems and operational weather-based irrigation controllers. The term “week” is defined as Sunday through Saturday.
- g) Repair all leaks within seventy-two (72) hours of notification by the District unless other arrangements are made with the general manager of the District (“General Manager”).
- h) Water use for compaction, dust control, and other types of construction shall be by permit only and will be limited to conditions of the permit or may be prohibited as determined by the General Manager or his/her designee.
- i) Irrigating landscaping, including, but not limited to, turf and ornamental landscapes during and within forty-eight (48) hours following measurable precipitation is prohibited.

2406. STAGE III A - WATER WARNING

District is not able to meet all water demands of all customers; therefore, the following water conservation measures shall apply.

- a) All policies and prohibitions listed in Sections 2403, 2404 and 2405.

- b) All customers are required to reduce potable water consumption by a minimum of twenty-five (25%) reduction in their water consumption over the base year consumption.
- c) Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment are prohibited. Washing of the above-listed vehicles or mobile equipment shall be allowed only at a commercial car wash where recirculating water is being utilized.
 - 1. Such washings are exempt from these regulations when the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables.
- d) New water services shall be installed but water shall be used before occupancy for essential construction only and for testing of landscape irrigation systems. The installation of new landscaping for all new development/projects must be approved by the District.
- e) Limit all landscape irrigation to three (3) days per week for no more than ten (10) minutes per station per day. Drip systems that are operated efficiently are exempt from these regulations.
- f) Repair all leaks within forty-eight (48) hours of notification by the District unless other arrangements are made with the General Manager.
- g) All agricultural water users shall irrigate only at times approved by the District.
- h) Swimming pools, ornamental pools, fountains, water displays, hot tubs, spas and artificial lakes shall not be filled or refilled after being drained.
- i) Water used for compaction, dust control, and other types of construction shall be by permit only and will be limited to conditions of the permit or may be prohibited as determined by the General Manager, or his/her designee.

2407. STAGE III B- WATER WARNING

District is not able to meet all water demands of all customers; therefore, the following water conservation measures shall apply.

- a) All policies and prohibitions listed in Sections 2403, 2404, 2405 and 2406 (except 2406 (e)).
- b) Limit all landscape irrigation to two (2) days per week for no more than ten (10) minutes per station per day.

2408. STAGE III C- WATER WARNING

District is not able to meet all water demands of all customers; therefore, the following water conservation measures shall apply.

- a) All policies and prohibitions listed in Sections 2403, 2404, 2405 and 2406 (except 2406 (e)).
- b) Limit all landscape irrigation to one (1) day per week for no more than ten (10) minutes per station per day.

2409. STAGE IV - WATER EMERGENCY

District is experiencing a major failure of supply or distribution; therefore, the following water conservation measures shall apply:

- a) All policies and prohibitions shown in Sections 2403, 2404, 2405 and 2406.
- b) All customers are required to reduce potable water consumption by a minimum of thirty percent (30%) reduction in their water consumption over the base year consumption.
- c) No water shall be used for construction purposes. All construction meters shall be locked off or removed.
- d) Commercial nurseries shall water only between the hours of 11:00 p.m. and 6:00 a.m. and only with hand-held devices or with drip irrigation systems.
- e) There shall be no watering of any lawn or landscaped area.
- f) The use of water shall be limited to essential household, commercial, manufacturing, or processing uses only, except where other uses may be allowed by permit.
- g) All agricultural water users shall irrigate only at times approved by the District.

2410. DETERMINATION AND DECLARATION OF WATER CONDITIONS

The General Manager, or his/her designee, shall access all available water supply data and shall make a report of his/her findings to the Board at the next Regular meeting or at a Special meeting called for that purpose. The Board may at that time determine and declare which of the four (4) previously discussed conditions the District's water supply is in and the extent of water conservation required to prudently plan for and supply water to the District's customers.

Thereafter, the Board may order that the appropriate stage of water conservation be implemented or terminated in accordance with the applicable provision of this Ordinance. The declaration of any stage shall be made by public announcement and notice shall be published once in a local

newspaper of general circulation. The stage designated shall become effective immediately upon announcement.

2411. DURATION OF DECLARATION

The declaration of any stage of water supply conditions shall remain in effect until such time as another stage is declared.

2412. AUTHORITY - MISDEMEANOR

This Article is adopted pursuant to Sections 375 and 376 of the California Water Code. Any second or subsequent violation of this policy after notice as specified in Section 2411 1(a) is a misdemeanor. (California Water Code Section 377).

2413. ENFORCEMENT

1. **Violations.** In addition to the remedy of criminal prosecution available to the District as described above, violation of this Ordinance may result in the imposition of surcharges and restriction and/or termination of water service as set forth below:

- a) First Violation – Notice of Non-Compliance – a written warning accompanied by a copy of this Ordinance, delivered by U.S. Mail and/or hung on customer's door.
- b) Second Violation – Warning of Penalties – a written warning notice of future imposition of penalties that could be placed on the customer's water bill.
- c) Third Violation (within one (1) year) - a surcharge of \$100.00.
- d) Fourth Violation (within one (1) year of the first violation) – a surcharge of \$300.00, and installation of flow restricting device in the meter for a minimum of ninety-six (96) hours. Said restricted flow shall meet minimum County Health Department's standards, if any have been established. If said ninety-six (96) hour period ends on a weekend or holiday, full service will be restored during the next business day.
- e) Fifth Violation (within one (1) year of the first violation) – a surcharge of \$500.00, and termination of service for such period as the Board determines to be appropriate under the circumstances, following a hearing regarding said issue. Written notice of the hearing shall be mailed to the customer at least ten (10) days before the hearing.

2. **Surcharges, Additional Charges.** Any surcharge hereunder shall be in addition to the basic water rates and other charges of the District for the account and shall appear on and be payable with the billing statement for the period during which the violation occurred; non-payment shall be subject to the same remedies available to the District as for non-payment of basic water rates.

In addition to any surcharge, a customer violating this Ordinance shall be responsible for payment of the District's charges for installing and/or removing any flow restricting device and for disconnecting and/or reconnecting service per the District's Schedule of Charges then in effect. Such charges shall be paid prior to the removal of the flow restrictor or reconnection of service, whichever the case may be.

3. **Non-liability for Damage.** The customer or resident who violates this Ordinance thereby assumes responsibility for injury to the customer and/or other residents/occupants receiving service, including emotional distress and/or damage to the customer's private water system and/or to other real or personal property owned by the customer or by a third party resulting from the installation and operation of a flow restricting device or from termination of service; said customer shall thereby be deemed to have: (a) waived any claim for injury or for damage to the customer's property which the customer may otherwise have against the District; and (b) agreed to indemnify, defend, and hold the District harmless from claims by third parties for injury or property damage arising or claimed to arise out of the District's installation and/or operation of a flow restricting device or termination of water service.

4. **Exemptions.** No exemption shall be granted to any person for any reason in the absence of a showing by said person that he/she/it has achieved the maximum practical reduction in water consumption in his/her residential, commercial, industrial, or governmental water consumption as the case may be.

The General Manager, or his/her designee, may grant exemptions ("exceptions" to this Ordinance) for uses of water otherwise prohibited by the regulations. Water customers who feel that they need an adjustment in the prohibitions as they relate to him/her will fill out a simple application form for an exemption stating the justification and circumstances. If the exemption is not granted, customer may appeal in writing as stated in Section 2414.1.

a) Inconvenience or the potential for damage to landscaping shall not be considered for exemption from any section of this Ordinance.

2414. APPEALS

1. **Procedures.** The General Manager, or his/her designated enforcement officer, shall determine when violations have occurred and shall issue to the customer a notice of violation ("Notice of Violation") by mailing same and/or hanging same on the customer's door at least ten (10) days before taking enforcement action. Said notice shall describe the action to be taken (notice of first violation shall simply be accompanied by a copy of this Ordinance) and shall be mailed or delivered at least ten (10) days before the proposed action is scheduled to be taken.

A customer may appeal the Notice of Violation by filing a written notice of appeal with the District no later than the close of business on the day before the date scheduled for enforcement action. Any Notice of Violation not timely appealed shall be final. Upon receipt of a timely appeal, a hearing on the appeal by the Board shall be scheduled at the Board's next Regular meeting or at a Special meeting scheduled for that hearing; in either, the hearing shall be at least

ten (10) days following receipt of the appeal, and the District shall mail written notice of the hearing to the customer at least ten (10) days before the date of said hearing.

2. **Interim Measures.** Pending receipt of a written appeal or pending a hearing pursuant to an appeal, the General Manager or the enforcement officer, if one has been designated, may take appropriate steps to prevent the unauthorized use of water as appropriate to the nature and extent of the violation and the current declared water condition.

2415. IMPLEMENTATION BY GENERAL MANAGER

The General Manager or designated representative is hereby authorized and directed to implement the provisions of this Ordinance. Guidelines regarding implementation procedures may be approved and/or modified from time to time by resolution by the Board.

2416. CEQA EXEMPTION

The adoption of this Ordinance, and the actions taken hereunder, are exempt from the provisions of the California Environmental Quality Act of 1970 in that they constitute a project undertaken as immediate action necessary to prevent or mitigate an emergency pursuant to Section 15071 of the State EIR Guidelines.

2417. DURATION OF ORDINANCE

This Ordinance shall remain in effect until the Board finds that the threatened emergency and threatened water shortage no longer exists. The provisions of this Ordinance shall prevail and control in the event of any inconsistency with any other rules and regulations of the District.

2418. SEVERABILITY

If any section, subsection, sentence, clause, or phrase of this Ordinance is for any reason held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Ordinance. The Board hereby declares that it would have passed this Ordinance and each section, subsection, sentence, clause, or phrase thereof irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases may be unconstitutional or invalid.

2419. EFFECTIVE DATE, PUBLISHING, AND POSTING

This Ordinance shall be effective immediately upon adoption. Within ten (10) days of adoption, a copy of this Ordinance shall be published one time in a local newspaper and posted in the lobby of the District Office.

ADOPTED, SIGNED AND APPROVED THIS 6th DAY OF AUGUST, 2015.



Betty Gosney, President of
the Board of Directors

ATTEST:



Peggy Asche, Secretary of the Board of
Directors

Attachment 2: Adoption Resolution

RESOLUTION NO. 2021-8

**RESOLUTION OF THE BOARD OF DIRECTORS
OF WEST VALLEY WATER DISTRICT
ADOPTING THE WATER SHORTAGE CONTINGENCY PLAN**

WHEREAS, The California Urban Water Management Planning Act, Water Code Section 10610 et seq. ("the UWMP Act"), 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, West Valley Water District ("Water District") meets the definition of an urban water supplier for purposes of the UWMP Act; and

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

WHEREAS, pursuant to recent amendments to the UWMP Act, urban water suppliers are required to adopt and electronically submit their WSCPs to the California Department of Water Resources by July 1, 2021; and

WHEREAS, The Water District has prepared a WSCP in accordance with the UWMP Act and SB X7-7, and in accordance with applicable legal requirements, has undertaken certain coordination, notice, public involvement, public comment, and other procedures in relation to its WSCP; and

WHEREAS, the WSCP references and incorporates the provisions of the Water District's Article 24 - Water Conservation Ordinance No. 83 adopted on August 18th, 2016; and

WHEREAS, in accordance with the UWMP Act, the Water District has prepared its WSCP with its own staff, with the assistance of consulting professionals, and in cooperation with other governmental agencies, and has utilized and relied upon industry standards and the expertise of industry professionals in preparing its WSCP, and has also utilized the California Department of Water Resources Guidebook for Urban Water Suppliers to Prepare 2020 Urban Water Management Plans, in preparing its WSCP; and

WHEREAS, in accordance with applicable law, including Water Code sections 10608.26 and 10642, and Government Code section 6066, a Notice of a Public Hearing regarding the Water District's WSCP was published within the jurisdiction of the Water District on June 3 and June 10; and

WHEREAS, in accordance with applicable law, including but not limited to Water Code sections 10608.26 and 10642, a public hearing was held on June 17th, 2021 at 7:00pm, or soon thereafter, in the boardroom of the offices of the Water District, 855 W. Base Line Rd., Rialto,

CA in order to provide members of the public and other interested entities with the opportunity to be heard in connection with proposed adoption of the WSCP and issues related thereto; and

WHEREAS, pursuant to said public hearing on the WSCP, the Water District, among other things, encouraged the active involvement of diverse social, cultural, and economic members of the community within the Water District's service area with regard to the preparation of the WSCP, encouraged community input regarding the Water District's WSCP; and

WHEREAS, the Board of Directors has reviewed and considered the purposes and requirements of the UWMP Act, the contents of the WSCP, and the documentation contained in the administrative record in support of the WSCP, and has determined that the factual analyses and conclusions set forth in the WSCP are legally sufficient; and

WHEREAS, the Board of Directors desires to adopt the WSCP in order to comply with the UWMP Act.

NOW THEREFORE BE IT RESOLVED, the Board of Directors of the Water District hereby resolve as follows:

1. The Water Shortage Contingency Plan is hereby adopted as amended by changes incorporated by the Board of Directors as a result of input received (if any) at the public hearing and ordered filed with the Secretary of the Board of Directors;
2. The General Manager is hereby authorized and directed to include a copy of this Resolution in Water District's WSCP;
3. The General Manager is hereby authorized and directed, in accordance with Water Code sections 10621(d) and 10644(a)(1)-(2), to electronically submit a copy of the WSCP to the California Department of Water Resources no later than July 1, 2021;
4. The General Manager is hereby authorized and directed, in accordance with Water Code section 10644(a), to submit a copy of the WSCP to the California State Library, and any city or county within which the Water District provides water supplies no later than thirty (30) days after this adoption date;
5. The General Manager is hereby authorized and directed, in accordance with Water Code section 10645, to make the WSCP available for public review at The Water District's offices during normal business hours and on The Water District's website no later than thirty (30) days after filing a copy of the WSCP with the California Department of Water Resources;
6. The General Manager is hereby authorized and directed, in accordance with Water Code Section 10635(b), to provide that portion of the WSCP prepared pursuant to

Water Code Section 10635(a) to any city or county within which The Water District provides water supplies no later than sixty (60) days after submitting a copy of the WSCP with the California Department of Water Resources;

7. The General Manager is hereby authorized and directed to implement the WSCP in accordance with the UWMP Act and to provide recommendations to the Board of Directors regarding the necessary budgets, procedures, rules, regulations or further actions to carry out the effective and equitable implementation of the WSCP.


ADOPTED, SIGNED, AND APPROVED THIS 17th DAY OF JUNE, 2021.

AYES:	DIRECTORS: Channing Hawkins, Kyle Crowther, Michael Taylor
NOES:	DIRECTORS: None
ABSENT:	DIRECTORS: Clifford Young, Greg Young
ABSTAIN:	DIRECTORS: None

ATTEST:



Peggy Asche
Board Secretary



Channing Hawkins,
President of the Board of Directors
of West Valley Water District