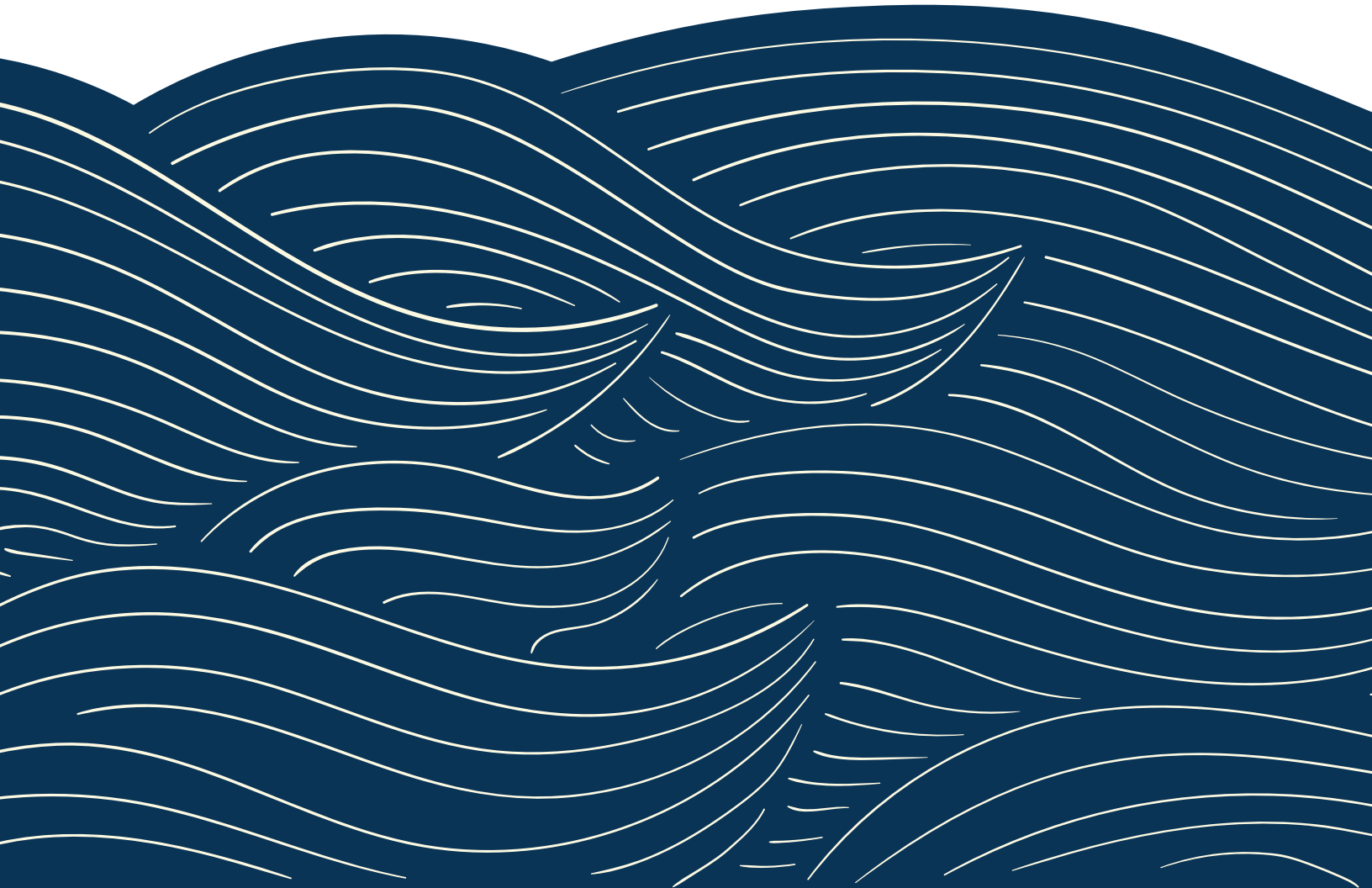
2020

PART 4: UWMP AGENCY SUPPORTING INFORMATION

UPPER SANTA ANA RIVER WATERSHED

INTEGRATED REGIONAL URBAN WATER MANAGEMENT PLAN



G

2020 IRUWMP Part 4 Riverside Highland Water Company Appendix G

G-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 7 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 7 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 7
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 G-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 7 Section 1

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 G-7
Section 5.5 and Appendix G	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 G-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 7 Section 4 Part 2 Chapter 7 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, *including changes in supply due to climate change.*	System Supplies	Part 2 Chapter 7 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 7 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 7 Section 4.6.2 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)
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 7 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 7 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 7 Section 4.2 Part 1 Chapter 3
Section 6.2.2	10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Part 2 Chapter 7 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 7 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 7 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 7 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 7 Section 4.5

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
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 7 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 7 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 7 Section 4.5 Part 1 Chapter 3 Part 4 Appendix G-6
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 7 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 7 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 7 Section 4.8 Part 4 Appendix G-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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 G-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 G-9 Section 1.0

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
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 G-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 G-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 G-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 G-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 G-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 G-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 G-9 Section 4.2
Section 8.4	10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Part 4 Appendix G-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 G-9 Section 4.3

2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
		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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 G-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 7 Section 8
Chapter 5	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 7 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 7 Section 9 Part 4 Appendix G-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 7 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 7 Section 9 Part 4 Appendix G-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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 Section 9

G-2: Public Outreach

SAN BERNARDINO Valley MUNICIPAL WATER DISTRICT

380 East Vanderbilt Way
San Bernardino, CA 92408
phone: 909.387.9200
fax: 909.387.9247
www.sbvmwd.com

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.

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.sbvmwd.com
San Bernardino Valley Water Conservation District	UWMP not required	www.sbvwcd.org
San Gorgonio 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

SAN BERNARDINO Valley MUNICIPAL WATER DISTRICT

380 East Vanderbilt Way
San Bernardino, CA 92408
phone: 909.387.9200
fax: 909.387.9247
www.sbvmwd.com

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.

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.rialtoca.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.sbvmwd.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@sbvmwd.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
BBCCSD		Mary	Reeves	General Manager	mreeves@bbccsd.org
BBCCSD		Jerry	Griffith		jgriffith@bbccsd.org
BBLDWP		Sierra	Orr		sorr@bbldwp.com
BBLDWP		Reggie	Lamson	General Manager	RLamson@bbldwp.com
Bear Valley Mutual Water Company	Mr.	Bob	Martin	General Manager	remartinpe@gmail.com
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
City of Calimesa	Ms.	Bonnie	Johnson	City Manager	bjohnson@cityofcalimesa.net
City of Colton	Mr.	Mike	Cory	Water Utility Manager	mcory@ci.colton.ca.us
City of Colton	Mr.	Mark	Tomich	Development Services Director	mtomich@ci.colton.ca.us
City of Colton		Jessica	Sutorus		jsutorus@ci.colton.ca.us
City of Colton		Robert	DeLoach		rdeloach@coltonca.gov
City of Corona	Ms.	Joanne	Coletta	Community Development Director	Joanne.Coletta@ci.corona.ca.us
City of Eastvale	Mr.	Gustavo	Gonzalez	Planning Manager	ggonzalez@eastvaleca.gov
City of Fontana	Mr.	Orlando	Hernandez	Planning Manager	ohernandez@fontana.org
City of Grand Terrace	Mr.	Craig	Bradshaw	Public Works Director	cbradshaw@grandterrace-ca.gov
City of Highland	Mr.	Lawrence	Mainez	Community Development Director	lmainez@cityofhighland.org
City of Jurupa Valley	Mr.	Gary	Thompson	City Manager	gthompson@jurupavalley.org
City of Jurupa Valley	Mr.	Thomas	Merrell	Planning Director	tmerrell@jurupavalley.org
City of Lake Elsinore	Mr.	Grant	Taylor	Community Development Director	gtaylor@lake-elsinore.org
City of Loma Linda	Mr.	Russ	Handy		rhandy@lomalinda-ca.gov
City of Loma Linda	Mr.	Konrad	Bolowich	Assistant City Manager	kbolowich@lomalinda-ca.gov
City of Loma Linda	Mr.	T. Jarb	Thaipejr	City Manager	jthaipejr@lomalinda-ca.gov
City of Loma Linda		Gabriel	Orozco		gorozco@lomalinda-ca.gov
City of Loma Linda		Kirk	Mayo		kmayo@lomalinda-ca.gov
City of Loma Linda		Dennis	Bolt		dbolt@lomalinda-ca.gov
City of Murrieta	Mr.	Jarrett	Ramaiya	City Planner	jramaiya@MurrietaCA.gov

Agency	Prefix	First Name	Last Name	Title	E-mail address
City of Norco	Mr.	Steve	King	Planning Director	Sking@ci.norco.ca.us
City of Redlands	Mr.	John	Harris	Municipal Utilities and Engineering Director	jharris@cityofredlands.org
City of Redlands	Mr.	Brian	Foote	City Planner	bfoote@cityofredlands.org
City of Redlands	Ms.	Cecilia	Griego	Water Resource Specialist	cgriego@cityofredlands.org
City of Redlands		Ross	Wittman		rwittman@cityofredlands.org
City of Redlands		Kevin	Watson		kwatson@cityofredlands.org
City of Redlands		Lauren	Miracle		lmiracle@cityofredlands.org
City of Rialto	Mr.	Tom	Crowley	Utilities Manager	tjcrowley@rialtoca.gov
City of Rialto	Ms.	Karen	Peterson	Acting Community Development Director	kpeterson@rialtoca.gov
City of Rialto		Susanne	Wilcox		swilcox@rialtoca.gov
City of Riverside	Mr.	David	Welch	Community and Economic Development Director	cddInfo@riversideca.gov
City of San Bernardino	Mr.	Oliver	Mujica	Planning Division Manager	Mujica_Ol@sbcity.org
City of San Bernardino	Mr.	Michael	Huntley	Community Development Director	Persico_Ma@sbcity.org
City of Temecula	Mr.	Luke	Watson	Director of Community Development	Luke.Watson@cityoftemecula.org
City of Yucaipa	Mr.	Ray	Casey	City Manager	rcasey@yucaipa.org
County of Riverside	Mr.	Steve	Weiss	Planning Director	sweiss@rctlma.org
County of San Bernardino	Mr.	David	Doublet	Director of Public Works	ddoublet@dpw.sbcounty.gov
County of San Bernardino		Terri	Rahhal	Director, Land Use Services Department	Terri.Rahhal@lus.sbcounty.gov
County of San Bernardino	Mr.	Kevin	Blakeslee	Chief Public Works Engineer	kblakeslee@dpw.sbcounty.gov
Crafton Hills College	Mr.	Kevin	Horan	President	khoran@sbccd.cc.ca.us
East Valley Water District	Mr.	John	Mura	General Manager	jmura@eastvalley.org
East Valley Water District		Jeff	Noelte		jnoelte@eastvalley.org
East Valley Water District		Jason	Wolf		jwolf@eastvalley.org
East Valley Water District		Nathan	Carlson		ncarlson@eastvalley.org
Elsinore Valley Municipal Water District	Mr.	Greg	Thomas	General Manager	gthomas@evmwd.net
Elsinore Valley Municipal Water District		Jesus	Gastelum		jgastelum@evmwd.net
Fontana Water Company	Mr.	Josh	Swift	General Manager	jmswift@fontanawater.com
Fontana Water Company		Cris	Fealy		cifealy@fontanawater.com
Inland Empire Resources Conservation District	Ms.	Mandy	Parkes	District Manager	info@iercd.org
Jurupa Community Services District	Mr.	Chris	Berch	General Manager	cberch@JCSD.US
Land Engineering (South Mesa Water Company)		Dan	Haskins		dan@lecincorporated.com
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
Muscoy Mutual Water Company	Mr.	Rudy	Garcia	Supervisor	rgarcia.mmwc@verizon.net
Muscoy Mutual Water Company	Ms.	Kathy	Halsey	General Manager	kathyhalseymuscoywater@verizon.net
Rialto Water Services, LLC	Mr.	Todd	Brown	General Manager	tbrown@t-rockcap.com
Riverside Highland Water Co.		Jennifer	Gimpel		jgimpel@rhwco.com
Riverside Highland Water Company	Mr.	Don	Hough	General Manager	dhough@rhwco.com
Riverside Local Agency Formation Commission (LAFCO)	Mr.	Gary	Thompson	Executive Officer	gthompson@lafco.org
Riverside Public Utilities	Mr.	Todd	Corbin	General Manager	tcorbin@riversideca.gov
Riverside Public Utilities	Mr.	Todd	Jorgenson	Assistant General Manager - Water	tjorgenson@riversideca.gov
Riverside Public Utilities		Leo	Ferrando		LFerrando@riversideca.gov
Riverside Public Utilities		Michael	Plinski		MPlinski@riversideca.gov
Riverside Public Utilities		Greg	Herzog		GHerzog@riversideca.gov
Riverside Public Utilities		Farid	Boushaki		FBoushaki@riversideca.gov
Rubidoux Community Services District	Mr.	Jeff	Sims	General Manager	jsims@rcsd.org
San Bernardino County Flood Control District		Michael	Fam		mfam@dpw.sbcounty.gov
San Bernardino County Flood Control District		Alan	Frost		Alan.Frost@dpw.sbcounty.gov
San Bernardino County Local Agency Fomation Commission (LAFCO)	Mr.	Samuel	Martinez	Executive Officer	smartinez@lafco.sbcounty.gov
San Bernardino Municipal Water Department	Mr.	Miguel	Guerrero	General Manager	Miguel.Guerrero@sbmwd.org
San Bernardino Municipal Water Department		Steve	R Miller		Steve.Miller@sbmwd.org
San Bernardino Municipal Water Department		Devin	Arciniega		devin.arciniega@sbmwd.org
San Bernardino Municipal Water Department		Ted	Brunson		Ted.Brunson@sbmwd.org
San Bernardino Municipal Water Department		Francisco	Lopez-Jimenez		francisco.jimenez@sbmwd.org
San Bernardino Municipal Water Department		Jonathon	Schoenen		jonathon.schoenen@sbmwd.org
San Bernardino Municipal Water Department		Warren	Huang		warren.huang@sbmwd.org
San Bernardino Valley Municipal Water District	Mr.	Adekunle	Ojo	Water Resource Manager	AdekunleO@sbvmwd.com
San Bernardino Valley Municipal Water District		Matt	Howard		matth@sbvmwd.com
San Bernardino Valley Municipal Water District		Bob	Tincher		bobt@sbvmwd.com
San Bernardino Valley Water Conservation District	Mr.	Daniel	Cozad	General Manager	DCozad@sbvwcd.org
San Bernardino Valley Water Conservation District		Katelyn	Scholte		KScholte@sbvwcd.org
San Gorgonio Pass Water Agency	Mr.	Lance	Eckhart	General Manager	leckhart@sgpwa.com
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

Agency	Prefix	First Name	Last Name	Title	E-mail address
United States Forest Service		Jody	Noiron	Forest Supervisor, San Bernardino National Forest	jody.noiron@usda.gov
United States Forest Service	Ms	Ellen	Shaw	Forest Supervisor, San Bernardino National Forest	ellen.shaw@usda.gov
West Valley Water District	Mr.	Shamindra	Manbahal	Acting General Manager	smanbahal@wvwd.org
West Valley Water District		Linda	Jadeski		ljadeski@wvwd.org
West Valley Water District		Daniel	Guerra		dguerra@wvwd.org
Western Heights Mutual Water Company	Mr.	Mark	Iverson	General Manager	m.iverson@westernheightswater.org
Western Municipal Water District	Mr.	Ryan	Shaw	Director of Water Resources	rshaw@wmwd.com
WMWD		Jason	Pivovaroff		jpivovaroff@wmwd.com
WMWD		Melissa	Matlock		mmatlock@wmwd.com
Yucaipa Valley Water District	Mr.	Joseph	Zoba	General Manager	jzoba@yvwd.dst.ca.us
Yucaipa Valley Water District		Jennifer	Ares		jares@yvwd.us
Yucaipa Valley Water District		Madeline	Blua		mblua@yvwd.us
Yucaipa Valley Water District		Ashley	Gibson		agibson@yvwd.us
Yucaipa Valley Water District		Mike	Kostelecky		mkostelecky@yvwd.us
Yucaipa-Calimesa Joint Unified School District	Ms.	Cali	Binks	Superintendent	cali_binks@ycjusd.us
San Manuel Band of Mission Indians		Alexander	Sephton		alexander.sephton@sanmanuel-nsn.gov
San Manuel Band of Mission Indians		Peter	Mateo		peter.mateo@sanmanuel-nsn.gov

Inland Valley Daily Bulletin-SB

INLAND VALLEY DAILY BULLETIN

Publication Name:
Inland Valley Daily Bulletin-SB

Publication URL:
www.dailybulletin.com

Publication City and State:
Ontario, CA

Publication County:
San Bernardino

Notice Popular Keyword Category:

Notice Keywords:
urban water management plan

Notice Authentication Number:
202106302325035786949
2924553896

Notice URL:

Back

Notice Publish Date:
Wednesday, June 09, 2021

Notice Content

Riverside Highland Water Company Public Hearing Notice 2020 Integrated Regional Urban Water Management Plan and Water Shortage Contingency Plan Notice is hereby given that on June 24, 2021, at 9:00 a.m. via ZOOM which can be accessed at rhwco.com, Riverside Highland Water Company 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 Board of Directors may adopt the Draft 2020 IRUWMP and Draft WSCP with recommended modifications, if any, as a result of public input. The Draft 2020 IRUWMP provides a comprehensive guide for water resource management for the Upper Santa Ana River Watershed and documents Riverside Highland Water Company'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 Riverside Highland Water Company'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 will be available for public review beginning in May 2021 and can be downloaded at rhwco.com or viewed at 12374 Michigan Street, Grand Terrace, CA, 92313. Please contact Riverside Highland Water Company at (909) 825-4128 if you require special accommodations. Please provide written comments on the Draft 2020 IRUWMP documents to Don Hough at dhough@rhwco.com prior to June 24, 2021. If you have any questions regarding Riverside Highland Water Company's 2020 IRUWMP or WSCP or public hearing meeting, please contact Don Hough at (909) 825-4128 or dhough@rhwco.com. Press-Enterprise: 6/09, 6/16

Back

Inland Valley Daily Bulletin-SB

INLAND VALLEY DAILY BULLETIN

Publication Name:
Inland Valley Daily Bulletin-SB

Publication URL:
www.dailybulletin.com

Publication City and State:
Ontario, CA

Publication County:
San Bernardino

Notice Popular Keyword Category:

Notice Keywords:
urban water management plan

Notice Authentication Number:
202106302320253632633
2924553896

Notice URL:

Back

Notice Publish Date:
Wednesday, June 16, 2021

Notice Content

Riverside Highland Water Company Public Hearing Notice 2020 Integrated Regional Urban Water Management Plan and Water Shortage Contingency Plan Notice is hereby given that on June 24, 2021, at 9:00 a.m. via ZOOM which can be accessed at rhwco.com, Riverside Highland Water Company 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 Board of Directors may adopt the Draft 2020 IRUWMP and Draft WSCP with recommended modifications, if any, as a result of public input. The Draft 2020 IRUWMP provides a comprehensive guide for water resource management for the Upper Santa Ana River Watershed and documents Riverside Highland Water Company'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 Riverside Highland Water Company'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 will be available for public review beginning in May 2021 and can be downloaded at rhwco.com or viewed at 12374 Michigan Street, Grand Terrace, CA, 92313. Please contact Riverside Highland Water Company at (909) 825-4128 if you require special accommodations. Please provide written comments on the Draft 2020 IRUWMP documents to Don Hough at dhough@rhwco.com prior to June 24, 2021. If you have any questions regarding Riverside Highland Water Company's 2020 IRUWMP or WSCP or public hearing meeting, please contact Don Hough at (909) 825-4128 or dhough@rhwco.com. Press-Enterprise: 6/09, 6/16

Back

G-3: Resolutions

RESOLUTION NO. 2021-1

RESOLUTION OF THE BOARD OF DIRECORS OF RIVERSIDE HIGHLAND WATER COMPANY ADOPTING THE 2020 UPPER SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL URBAN WATER MANAGEMENT PLAN

WHEREAS, the Riverside Highland Water Company 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 IRWM 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

WHERAS, the Riverside Highland Water Company participated in the development of the 2015 IRWMPs and adopted the 2015 IRWMPs; and

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

WHERAS, 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, Riverside Highland Water Company 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

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

WHERAS, the Riverside Highland Water Company participated in the 2010 and 2015 RUWMP; and

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

WHERAS, the Riverside Highland Water Company 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

WHERAS, 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

WHERAS, 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 Riverside Highland Water Company has prepared those portions of the IRUWMP applicable to the Riverside Highland Water Company to meet the requirements of the IRWM Act, the UWMP Act and other applicable laws and regulations which include Part 1, Part 2 Chapter 7: Riverside Highland Water Company UWMP, Part 3, and Part 4 Appendix G: Riverside Highland Water Company Supporting Information; and

WHEREAS, in accordance with applicable legal requirements, the Riverside Highland Water Company 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 Riverside Highland Water Company 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 Riverside Highland Water Company's adoption of Part 1, Part 2 Chapter 7, Part 3 and Part 4 Appendix G of the 2020 IRUWMP was published within the jurisdiction of the Riverside Highland Water Company on June 9, 2021, and June 16, 2021: 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 24, 2021

at 9:00 am, or soon thereafter, by virtual meeting in the Board Room in the offices of Riverside Highland Water Company at 12374 Michigan Street, Grand Terrace, CA 92313 and via ZOOM 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 Riverside Highland Water Company, among other things, encouraged the active involvement of diverse social, cultural, and economic members of the community within the Riverside Highland Water Company's service area with regard to the preparation of the Plan, encouraged community input regarding the 2020 IRUWMP; and

WHEREAS, the Board of Directors 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 of Directors desires to adopt Part 1, Part 2 Chapter 7, Part 3 and Part 4, Appendix G of the 2020 IRUWMP in order to comply with the IRWM Act and UWMP Act.

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

1. Part 1, Part 2 Chapter 7, Part 3 and Part 4 Appendix G of the 2020 IRUWMP 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 the Riverside Highland Water Company'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 Riverside Highland Water Company 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 of county within which the Riverside Highland Water Company 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 at The Riverside Highland Water Company offices during normal business hours and on Riverside Highland Water Company 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 Riverside Highland Water Company 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 of Directors 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.

PASSED AND ADOPTED, this 24th day of June, 2021.

James P McNaboe

President

June 24, 2021

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of Resolution 2021-1 adopted by the Board of Directors of Riverside Highland Water Company at its regular meeting held on June 24, 2021.

Donald Larkin Jr.

Secretary-Chief Financial Officer

G-4: Agreements

AGREEMENT BETWEEN

RIVERSIDE HIGHLAND WATER COMPANY AND CITY OF RIVERSIDE

THIS AGREEMENT is entered into as of the 15th day of January, 1992 by and between RIVERSIDE HIGHLAND MUTUAL WATER COMPANY (hereinafter "COMPANY"), and the CITY OF RIVERSIDE, a California Charter City (hereinafter "CITY").

R E C I T A L S

A. The CITY intends to provide domestic water within the current corporate limits of the City of Riverside to various developments including the Hunter Industrial Park.

B. The COMPANY presently provides water to its shareholders within this area for the purposes of agricultural and domestic supply, and the shareholders desire to continue to obtain agricultural water for agricultural purposes within the area until the land is developed for other purposes.

C. The parties to this AGREEMENT desire to define and set the service area to be served by each entity to provide for the orderly provision of water service within a developing area formerly served by the COMPANY.

C O V E N A N T S

NOW THEREFORE, in consideration of the preceding recitals and the mutual covenants contained herein, the parties agree as follows:

Section 1. BOUNDARIES. The parties agree that the boundaries of that portion of the service area of the COMPANY will be described as depicted in EXHIBIT "A" attached hereto and incorporated herein by reference. These boundaries include certain areas outside the corporate limits of the City of Riverside which lie below the 1200 foot elevation, south of Marlborough Avenue and west of Michigan Avenue. The parties further agree that these boundary changes shall be recorded with the Riverside County Recorder and filed with the California Department of Corporations and shall be considered the fixed service area of the COMPANY.

Section 2. SHAREHOLDERS OF COMPANY. The COMPANY agrees to identify those of its existing shareholders who or which will be affected by the provision of water service by the CITY within the area covered by this AGREEMENT and the number of shares each shareholder holds.

Section 3. CITY TO PURCHASE SHARES. The CITY agrees to make a good faith effort to purchase the COMPANY shares (approximately 1337) as development occurs from the shareholders within the Hunter Industrial Park area or other areas identified by the COMPANY at a price negotiated between the CITY and the shareholders. The City shall provide the COMPANY with a written notification for any shareholder declining to sell shares to the CITY. The COMPANY shall make available, and the CITY shall purchase, such additional shares from the COMPANY at the then current price established by the COMPANY for "treasury shares" up to an amount equivalent to the number of shares within the service area of the CITY within the Hunter Industrial Park area or other developments. Pursuant to the acquisition of the shares of the COMPANY, the CITY shall maintain all the voting rights consistent with the voting rights of other shareholders, except the CITY agrees to limit its representation on the COMPANY'S Board of Directors at any time to no more than two (2) members.

Section 4. SERVICE AND TERM.

Section 4.1. COMPANY TO PROVIDE SERVICE. The COMPANY agrees to provide domestic/drinking water directly to the CITY transmission system in an equivalent amount, per share, as is delivered to all other shareholders. Currently, this amount is 0.37 acre feet per year per share of stock. CITY agrees to pay for such water, on a bimonthly basis, the adopted domestic water rate established by the COMPANY for all shareholders, as set forth in Exhibit "B" attached hereto and incorporated herein by reference. CITY agrees to pay the COMPANY for assessments levied on shares held by the CITY under the same terms and conditions as all other shareholders. Said payment for assessments shall continue for a minimum of ten (10) years after the shares are purchased.

Section 4.2 IRRIGATION BY COMPANY. CITY agrees that COMPANY may continue to supply irrigation water for agricultural purposes to its remaining shareholders within the water service area annexed to the CITY.

Section 4.3 MINIMUM TERM OF AGREEMENT. The initial term of this agreement shall be ten (10) years from the date of execution hereof. At the conclusion of that initial term, the CITY may sell its COMPANY shares to third parties, terminate the payment of the assessment, take no further water from the COMPANY,

and relinquish the shares to the COMPANY as undistributed treasury shares.

Section 5. ELECTION BY THE CITY. The CITY may elect not to take water deliveries directly from COMPANY, but in lieu thereof to extract from CITY wells within the Bunker Hill Basin the amount of water equivalent to the amount of entitlement under the COMPANY shares held by the CITY, and deliver the water directly to the distribution system of the CITY. The COMPANY does not warrant the quality of water taken by the CITY under this election. If the CITY elects to extract its entitlement from CITY wells, CITY shall pay to the COMPANY, in addition to the assessment as provided in Section 4, an amount to cover the cost of accounting for the water extracted from CITY wells. Said amount shall be $10.00 per month plus $3.02 per acre foot of water per year subject to adjustment by the same percentage that the COMPANY applies for annual increases to its customers. Such election shall not adversely affect the water rights of the COMPANY within the Bunker Hill Basin as set forth in the judgement entitled Western Municipal Water District, et al, v. east San Bernardino County Water District, et al, Riverside County Superior Court No. 78426.

Section 6. METER. The City shall install a meter and appropriate appurtenances at a mutually agreeable location or locations to measure the water delivered in accordance with this AGREEMENT. The COMPANY agrees that no meter fee will be charged for this connection to the COMPANY'S water system. The CITY shall maintain such meter at no expense to the COMPANY, and will allow the COMPANY to inspect and test the meter at the COMPANY's expense.

Section 7. INDEMNIFY COMPANY. The City shall indemnify and hold the COMPANY harmless from any litigation brought by any third parties challenging the terms, provisions, or legality of the AGREEMENT or any action of the CITY taken pursuant thereto.

Section 8. NOTICES. Any notice, tender or delivery to be given hereunder by either party to the other shall be effected by personal delivery in writing or by registered or certified mail, postage prepaid, return receipt requested, and shall be deemed communicated as of mailing or, in case of personal delivery, as of actual receipt. Mailed notices shall be addressed as set forth below, but each party may change its address by written notice in accordance with this section.

TO: RIVERSIDE HIGHLAND WATER COMPANY
1450 Washington Street
Colton, CA. 92324

TO: CITY OF RIVERSIDE
Public Utilities Department
3900 Main Street
Riverside, CA. 92522

Section 9. ARBITRATION OF DISPUTES. Any dispute or controversy arising out of, under, or in connection with or in relation to this AGREEMENT, or any amendments hereof, or the breach hereof, shall be submitted to arbitration in accordance with the following procedures:

A party desiring arbitration ("First Party") shall give written notice to the other party ("Second Party") containing a general description of the issues to be arbitrated, and designating by name and address, three proposed arbitrators acceptable to the First Party, each of whom shall have agreed to act as arbitrator, if selected. If the Second Party agrees upon one of the three proposed arbitrators, the Second Party shall so advise the First Party in writing within ten (10) business days of receipt of the First Party's written notice.

The arbitrator selected shall promptly give written notice of a proposed arbitration hearing which shall take place within sixty (60) days of the date of the arbitrator's selection.

The arbitration hearing shall take place in Riverside, California. If the Second Party fails to agree to the selection of one of the three proposed arbitrators within the ten (10) business day period, an arbitrator shall be appointed in accordance with the California Arbitration Act, Section 1280 through 1294.2 of the Code of Civil Procedure.

The cost of the arbitration shall be paid by the Parties equally. Except as otherwise provided herein, the arbitration shall be conducted and enforced in accordance with the provisions of the California Arbitration Act, Section 1280 through 1294.2 of the Code of Civil Procedure.

Section 10. ATTORNEYS' FEES. If a dispute arises, which cannot be resolved by arbitration, regarding breach, enforcement, or arbitration, of the provisions of this AGREEMENT, the prevailing party in any legal action brought in connection therewith shall be entitled to recover all attorneys' fees or other costs actually incurred therewith. In any action brought, the entitlement to recover attorneys' fees and costs will be considered an element of costs and not of damages.

Section 11. AMENDMENTS. This is an entire AGREEMENT and supersedes any and all prior agreements, oral or written, between the parties. This AGREEMENT may only be amended in writing, with specific reference hereto by parties authorized to be charged. Failure by either party to enforce any provisions shall not constitute a waiver of said partys' right to enforce the provision upon subsequent violation thereof or any other provisions.

Section 12. SUCCESSORS AND ASSIGNS. This AGREEMENT shall be binding upon and insure to the benefit of the successors and assigns of the parties.

Section 13. CAPTIONS. The captions of section and subsections of this AGREEMENT are for reference only and are not to be construed in any way as a part of this agreement.

Section 14. VALIDITY. This Agreement will be construed in accordance with the laws of the State of California.

IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed by their respective officers as of the date first above written.

RIVERSIDE HIGHLAND MUTUAL WATER COMPANY

By _____
President

CITY OF RIVERSIDE

APPROVED AS TO FORM
_____
ASST. CITY ATTORNEY
11-4-92

By _____
Mayor

By _____
KAREN E. [illegible]
City Clerk

_____
[illegible]

EXHIBIT "B"

DOMESTIC WATER RATES

1. Domestic Water Billing (Section 4.1) Subject to Periodic Rate Adjustment by the Board of Directors as for All Other Domestic Water Users:

   A. Published Share Assessment as of April 1, 1991:

      Bimonthly Assessment = $4.25 per share

   B. Bimonthly Bill for Water - using Domestic Consumption Rate as of April 1, 1991:

      0 to 119.7 acre feet @ $0.56/100 cu. ft.

      119.7 to 214.87 acre feet @ $0.72/100 cu. ft.

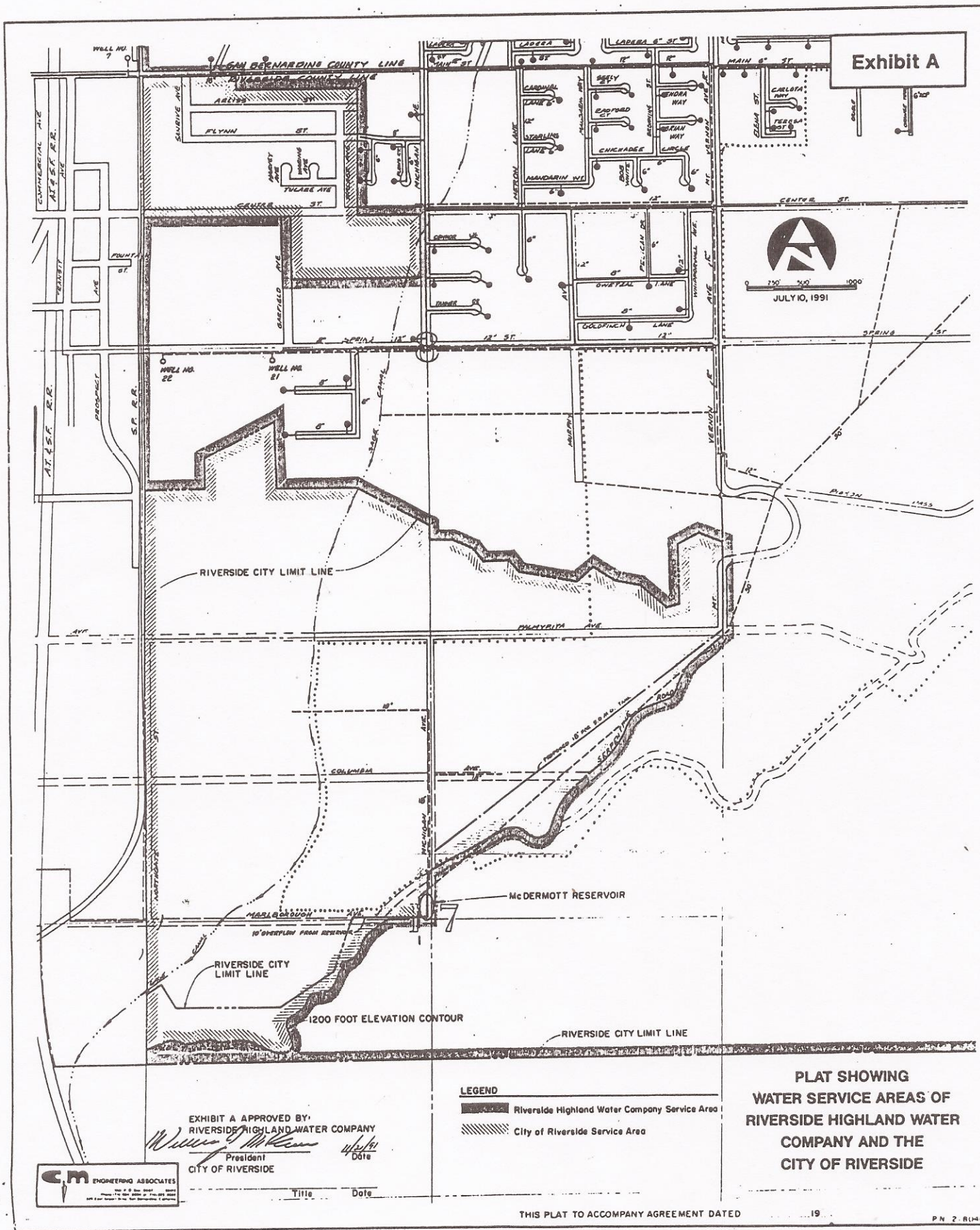


Exhibit A
SAN BERNARDINO COUNTY LINE
RIVERSIDE COUNTY LINE
RIVERSIDE CITY LIMIT LINE
McDERMOTT RESERVOIR
1200 FOOT ELEVATION CONTOUR
RIVERSIDE CITY LIMIT LINE
JULY 10, 1991
LEGEND
Riverside Highland Water Company Service Area
City of Riverside Service Area
EXHIBIT A APPROVED BY:
RIVERSIDE HIGHLAND WATER COMPANY
President
CITY OF RIVERSIDE
Title
Date
C.M ENGINEERING ASSOCIATES
PLAT SHOWING
WATER SERVICE AREAS OF
RIVERSIDE HIGHLAND WATER
COMPANY AND THE
CITY OF RIVERSIDE
THIS PLAT TO ACCOMPANY AGREEMENT DATED ..... 19 .....

G-5: DWR Population Tool Output

WUEdata - Riverside Highland Water Company

Sign Out

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	Riverside Highland Water Company	8110730826	3/22/2021 9:48:15 AM

Boundary Information

Census Year	Boundary Filename	Internal Boundary ID
1990	Riverside Highland Water Company.kml	682
2000	Riverside Highland Water Company.kml	682
2010	Riverside Highland Water Company.kml	682
1990	Riverside Highland Water Company.kml	682
2000	Riverside Highland Water Company.kml	682
2010	Riverside Highland Water Company.kml	682
1990	Riverside Highland Water Company.kml	682
2000	Riverside Highland Water Company.kml	682
2010	Riverside Highland Water Company.kml	682

Baseline Period Ranges

10 to 15-year baseline period

Number of years in baseline period: 10

Year beginning baseline period range: 2000

Year ending baseline period range[1]: 2009

5-year baseline period

Year beginning baseline period range: 2003

Year ending baseline period range[2]: 2007

[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 Connection

Year	Census Block Level Total Population	Number of Connections *	Persons per Connection
1990	14,432		4.04
1991	-	-	4.04
1992	-	-	4.04
1993	-	-	4.04
1994	-	-	4.04
1995	-	-	4.04
1996	-	-	4.04
1997	-	-	4.04
1998	-	-	4.04
1999	-	-	4.04
2000	14,476		4.04
2001	-	-	4.04
2002	-	-	4.04
2003	-	-	4.04
2004	-	-	4.04
2005	-	-	4.04
2006	-	-	4.04
2007	-	-	4.04
2008	-	-	4.04
2009	-	-	4.04
2010	15,252	3778	4.04
2011	-	-	4.04
2012	-	-	4.04
2013	-	-	4.04
2014	-	-	4.04
2015	-	-	4.04
2020	-	-	4.04 **

Population Using Persons-Per-Connection

Year		Number of Connections *	Persons per Connection	Total Population
10 to 15 Year Baseline Population Calculations				
Year 1	2000		4.04	
Year 2	2001		4.04	
Year 3	2002		4.04	
Year 4	2003		4.04	
Year 5	2004		4.04	
Year 6	2005		4.04	
Year 7	2006		4.04	
Year 8	2007		4.04	
Year 9	2008		4.04	
Year 10	2009		4.04	
5 Year Baseline Population Calculations				
Year 1	2003		4.04	
Year 2	2004		4.04	
Year 3	2005		4.04	
Year 4	2006		4.04	
Year 5	2007		4.04	
2020 Compliance Year Population Calculations				
2020		5141	4.04 **	**20,755**

Hide Print Confirmation

G-6: DWR Tables

2-1R | Public Water Systems

STATUS: Published

NOTES: -

Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020
CA3610057	Riverside Highland Water Company	5,335	4,246
	Total:	**5,335**	**4,246**

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: Published

NOTES: -

Type of Supplier	Year Type	First Day of Year		Unit Type
		DD	MM	
Retailer	Calendar Years			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: Published

NOTES: -

Population Served	2020	2025	2030	2035	2040	2045
Total	20,755	23,225	24,199	25,213	25,755	26,309
Total	**20,755**	**23,225**	**24,199**	**25,213**	**25,755**	**26,309**

4-1R | Actual Demands for Water

STATUS: Published

NOTES:

Use Type	Additional Description	Level of Treatment When Delivered	2020 Volume
Single Family	Single Family Residential	Drinking Water	2,959
Multi-Family	Multi-Family Residential	Drinking Water	226
Commercial	Commercial & Institutional	Drinking Water	151
Industrial	Industrial	Drinking Water	6
Landscape	Landscape	Drinking Water	552
Agricultural irrigation	Agricultural Irrigation	Raw Water	77
Other	Other	Drinking Water	34
Losses	Nonrevenue	Drinking Water	241
		Total:	**4,246**

4-2R | Projected Demands for Water

STATUS: Published

NOTES: -

Use Type	Additional Description	Projected Water Use				
		2025	2030	2035	2040	2045
Single Family	Single Family Residential	3,211	3,329	3,447	3,507	3,568
Multi-Family	Multi-Family Residential	241	251	261	266	271
Commercial	Commercial & Institutional	160	167	173	176	180
Industrial	Industrial	30	31	32	33	34
Landscape	Landscape	576	620	665	688	710
Agricultural irrigation	Agricultural Irrigation	65	67	70	71	72
Other	Other	5	5	5	6	6
Losses	Nonrevenue	257	268	279	285	290
	Total:	**4,545**	**4,738**	**4,932**	**5,031**	**5,131**

4-3R | Total Gross Water Use

STATUS: Published

NOTES: -

	2020	2020	2030	2035	2040	2045
Potable and Raw Water From Table 4-1R and 4-2R	4,246	4,545	4,738	4,932	5,031	5,131
Recycled Water Demand* From Table 6-4R	-	-	-	-	-	-
Total Water Use:	**4,246**	**4,545**	**4,738**	**4,932**	**5,031**	**5,131**

4-4R | 12 Month Water Loss Audit Reporting

STATUS: Published

NOTES:

Report Period Start Date		Volume of Water Loss*
MM	**YYYY**	
1	2016	130
1	2017	106
1	2018	77
1	2019	185
1	2020	241 (Estimated)

The 2020 AWWA Water Audit is not yet available. The 2020 water loss is estimated based on the difference between produc

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: Published

NOTES: -

Baseline Period	Start Year	End Year	Average Baseline GPCD*	Confirmed 2020 Target *
10-15 Year	2000	2009	240	192
5 Year	2003	2007	234	

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

5-2R | 2020 Compliance

STATUS: Published

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*		
183	0	0	0	0	0	0	Yes

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

6-1R | Groundwater Volume Pumped

STATUS: Published

NOTES: -

Select One						
Groundwater Type	**Location or Basin Name**	**2016**	**2017**	**2018**	**2019**	**2020**
Alluvial Basin	Riverside North	1,756	2,031	1,509	1,050	958
Alluvial Basin	Riverside South	81	124	158	204	248
Alluvial Basin	San Bernardino Basin (Lytle)	1,300	1,463	1,633	1,886	2,507
Alluvial Basin	San Bernardino Basin (Bunker Hill)	-	-	565	612	533
	Total:	**3,137**	**3,617**	**3,865**	**3,753**	**4,246**

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

STATUS: Published

NOTES: -

The supplier will complete the table.

Percentage of 2020 service area covered by wastewater collection system (optional):	
Percentage of 2020 service area population covered by wastewater collection system (optional):	

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 Colton	Estimated	1,184	**City of Colton**	Colton Water Reclamation Facility	No	No
	Total:	**1,184**				

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

STATUS: Published

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:	-	-	-	-	-

6-4R | Recycled Water Direct Beneficial Uses Within Service Area

STATUS: Published

NOTES: -

Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table.

Name of Supplier Producing (Treating) the Recycled Water:	
Name of Supplier Operating the Recycled Water Distribution System:	
Supplemental Volume of Water Added in 2020:	
Source of 2020 Supplemental Water:	

Beneficial Use Type	Potential Beneficial Uses of Recycled Water	Amount of Potential Uses of Recycled Water	General Description of 2020 Uses	Level of Treatment	2020	2025	2030	2035	2040	2045
Landscape Irrigation (excludes golf courses)										
Golf Course Irrigation										
Commercial Use										
Industrial Use										
Geothermal and Other Energy Production										
Seawater Intrusion Barrier										
Recreational Impoundment										
Wetlands or Wildlife Habitat										
Groundwater Recharge (IPR)*										
Surface Water Augmentation (IPR)*										
Direct Potable Reuse										
				Total:	-	-	-	-	-	-
Internal Reuse (Not included in Statewide Recycled Water Volume).										

*IPR - Indirect Potable Reuse

6-5R | 2015 Recycled Water Use Projection Compared to 2020 Actual

STATUS: Published

NOTES: -

Recycled water was not used in 2015 nor projected for use in 2020. The supplier will not complete the table.

Use Type	2015 Projection for 2020	2020 Actual Use
Agricultural Irrigation		
Landscape Irrigation (excludes golf courses)		
Golf Course Irrigation		
Commercial Use		
Industrial Use		
Geothermal and Other Energy Production		
Seawater Intrusion Barrier		
Recreational Impoundment		
Wetlands or Wildlife Habitat		
Groundwater Recharge (IPR)*		
Surface Water Augmentation (IPR)*		
Direct Potable Reuse		
Total:	**-**	**-**

6-6R | Methods to Expand Future Recycled Water Use

STATUS: Published

NOTES: -

The supplier does not plan to expand recycled water use in the future. The supplier will not complete the table below but will provide narrative explanation.

Page Location for Narrative in UWMP: Part 2 Chapter 7 Section 4.5.1

Name of Action	Description	Planned Implementation Year	Expected Increase of Recycled Water Use
		Total:	**-**

6-7R | Expected Future Water Supply Projects or Programs

STATUS: Published

NOTES: -

No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table.

Page Location for Narrative in UWMP:						
Name of Future Projects or Programs	**Joint Project with Other Suppliers**	**Agency Name**	**Description**	**Planned Implementation Year**	**Planned for Use in Year Type**	**Expected Increase in Water Supply to Supplier**

6-8R | Actual Water Supplies

STATUS: Published

NOTES: -

Water Supply	Additional Detail on Water Supply	2020		
		Actual Volume	Water Quality	Total Right or Safe Yield
Groundwater (not desalinated)	Riverside North	958	Drinking Water	
Groundwater (not desalinated)	Riverside South	248	Other Non-Potable Water	
Groundwater (not desalinated)	San Bernardino Basin (Lytle)	2,507	Drinking Water	
Groundwater (not desalinated)	San Bernardino Basin (Bunker Hill)	533	Drinking Water	
	Total:	**4,246**		**-**

6-8DS | Source Water Desalination

STATUS: Published

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: Published

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)	Riverside North	3,176		3,399		3,622		3,736		3,850	
Groundwater (not desalinated)	Riverside South	250		250		250		250		250	
Groundwater (not desalinated)	San Bernardino Basin (Lytle)	1,800		1,800		1,800		1,800		1,800	
Groundwater (not desalinated)	San Bernardino Basin (Bunker Hill)										
Total:		**5,226**	**-**	**5,449**	**-**	**5,672**	**-**	**5,786**	**-**	**5,900**	**-**

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

STATUS: Published

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: Published

NOTES: -

	2025	2030	2035	2040	2045
Supply Totals From Table 6-9R	5,226	5,449	5,672	5,786	5,900
Demand Totals From Table 4-3R	4,545	4,738	4,932	5,031	5,131
Difference:	**681**	**711**	**740**	**755**	**769**

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

STATUS: Published

NOTES: -

	2025	2030	2035	2040	2045
Supply Totals	5,749	5,994	6,239	6,365	6,490
Demand Totals	4,999	5,212	5,425	5,534	5,644
Difference:	**750**	**782**	**814**	**830**	**847**

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

STATUS: Published

NOTES: -

		2025	2030	2035	2040	2045
First Year	**Supply Totals**	5,749	5,994	6,239	6,365	6,490
	Demand Totals	4,999	5,212	5,425	5,534	5,644
	Difference:	**750**	**782**	**814**	**830**	**847**
Second Year	**Supply Totals**	5,749	5,994	6,239	6,365	6,490
	Demand Totals	4,999	5,212	5,425	5,534	5,644
	Difference:	**750**	**782**	**814**	**830**	**847**
Third Year	**Supply Totals**	5,749	5,994	6,239	6,365	6,490
	Demand Totals	4,999	5,212	5,425	5,534	5,644
	Difference:	**750**	**782**	**814**	**830**	**847**
Fourth Year	**Supply Totals**	5,749	5,994	6,239	6,365	6,490
	Demand Totals	4,999	5,212	5,425	5,534	5,644
	Difference:	**750**	**782**	**814**	**830**	**847**
Fifth Year	**Supply Totals**	5,749	5,994	6,239	6,365	6,490
	Demand Totals	4,999	5,212	5,425	5,534	5,644
	Difference:	**750**	**782**	**814**	**830**	**847**
Sixth Year	**Supply Totals**	5,749	5,994	6,239	6,365	6,490
	Demand Totals	4,999	5,212	5,425	5,534	5,644
	Difference:	**750**	**782**	**814**	**830**	**847**

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

STATUS: Published

NOTES: -

2021	**Gross Water Use**	4,736
	Total Supplies	5,447
	Surplus/Shortfall without WSCP Action	**711**
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	**711**
	Resulting Percent Use Reduction from WSCP Action	**0%**
2022	**Gross Water Use**	4,802
	Total Supplies	5,522
	Surplus/Shortfall without WSCP Action	**720**
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	**720**
	Resulting Percent Use Reduction from WSCP Action	**0%**
2023	**Gross Water Use**	4,868
	Total Supplies	5,598
	Surplus/Shortfall without WSCP Action	**730**
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	**730**
	Resulting Percent Use Reduction from WSCP Action	**0%**
2024	**Gross Water Use**	4,933
	Total Supplies	5,673
	Surplus/Shortfall without WSCP Action	**740**
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	**740**
	Resulting Percent Use Reduction from WSCP Action	**0%**
2025	**Gross Water Use**	4,999
	Total Supplies	5,749
	Surplus/Shortfall without WSCP Action	**750**
	Planned WSCP Actions (Use Reduction and Supply Augmentation)	
	WSCP (Supply Augmentation Benefit)	
	WSCP (Use Reduction Savings Benefit)	
	Revised Surplus/Shortfall	**750**
	Resulting Percent Use Reduction from WSCP Action	**0%**

8-1 | Water Shortage Contingency Plan Levels

STATUS: Published

NOTES: -

Shortage Level	Percent Shortage Range[1] (Numerical Value as a Percent)	Water Shortage Condition
1	Up to 10%	Normal Condition (RHWC Stage 1) - During times of normal supply, it is recommended that water conservation be practiced within the home or business and prevent the waste of unreasonable use of water.
2	Up to 20%	Water Alert Condition (RHWC Stage 2) - RHWC's Stage 2 has more prohibitions, in addition to the prohibitions contained in RHWC's Stage 1.
3	Up to 30%	Water Warning Condition (RHWC Stage 3) - RHWC's Stage 3 has more prohibitions, in addition to the prohibitions and actions under RHWC's Stage 2.
4	Up to 40%	Water Emergency Condition (RHWC Stage 4) - Stage 4 is the most restrictive stage. Under this stage water use is limited to essential household, commercial, manufacturing or processing uses.
5	Up to 50%	Water Emergency Condition (RHWC Stage 4) - Stage 4 is the most restrictive stage. Under this stage water use is limited to essential household, commercial, manufacturing or processing uses.
6	>50%	Water Emergency Condition (RHWC Stage 4) - Stage 4 is the most restrictive stage. Under this stage water use is limited to essential household, commercial, manufacturing or processing uses.

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

8-2 | Demand Reduction Actions

STATUS: Published

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
1	Landscape - Restrict or prohibit runoff from landscape irrigation	0-5%	Water use which results in flooding or run-off should be prevented and controlled.	Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	Leaking plumbing fixtures shall be repaired in a timely manner so as to not waste water.	Yes
1	Other - Require automatic shut of hoses	0-1%	The use of sprinklers for any type of irrigation during high winds is prohibited.	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
2	CII - Restaurants may only serve water upon request	0-1%	All restaurants prohibited from serving water to their customers except upon specific request.	Yes
2	Landscape - Limit landscape irrigation to specific times	0-5%	Commercial nurseries shall water only between 11 P.M. and 6 A.M. using hand held devices or drip irrigation	Yes
2	Landscape - Other landscape restriction or prohibition	0-5%	Irrigation limited to crops presently planted.	Yes

2	Landscape - Restrict or prohibit runoff from landscape irrigation	0-5%	School grounds shall prevent run-off from irrigation activities. All publicly owned lawns and landscape shall prevent run-off from irrigation activities. All residential lawn watering shall prevent run-off from irrigation activities.	Yes
2	Other - Prohibit use of potable water for washing hard surfaces	0-1%	There shall be no washing of driveways or sidewalks.	Yes

2	Other	0-1%	The washing of automobiles, trucks, trailers, 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
3	Landscape - Limit landscape irrigation to specific days	0-5%	All residential lawn watering to be performed on a Company approved schedule for hours and days of the week.	Yes

3	Landscape - Limit landscape irrigation to specific times	0-5%	All agricultural water users shall irrigate only at time approved by the company.	Yes
3	Landscape - Limit landscape irrigation to specific times	0-35%	Commercial nurseries shall water only between 11 P.M. and 6 A.M. using hand held devices or drip irrigation. Consumption shall be reduced by a minimum of 35%. School grounds to be watered on a Company approved schedule for hours and days of the week. Consumption shall be reduced by a minimum of 35%. All publicly owned lawns, landscape watering to be performed on a Company approved	Yes

3	Other water feature or swimming pool restriction	0-1%	Swimming pools and fountains are not to be refilled after draining.	Yes
4	CII - Other CII restriction or prohibition	0-1%	No construction water use to be allowed, construction meters to be locked off or removed.	Yes
4	Landscape - Prohibit all landscape irrigation	10-30%	No lawn or landscape water will be allowed.	Yes
All	Expand Public Information Campaign	0-20%		No

8-3R | Supply Augmentation & Other Actions

STATUS: Published

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	0-1000	Emergency Inter-Ties with City of San Bernardino
4	Other purchases	0-1000	Emergency Inter-Ties with City of Rialto
4	Other purchases	0-1000	Emergency Inter-Ties with City of Colton

10-1R | Notification to Cities & Counties

STATUS: Published

NOTES: -

City	60 Day Notice	Notice of Public Hearing	Other
City of Grand Terrace	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	Riverside Highland Water Company	**Reporting Period Start Date**	1/1/2020
Water Delievery Product	Retail 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)	4246	0	**4246**
Energy Consumed (kWh)	3406430	0	**3406430**
Energy Intensity (kWh/AF)	**802.3**	**0.0**	**802.3**

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.**			
Water Supply Narrative	**RHWC extracts potable water from the San Bernardino Basin (SBB, including the Bunker Hill Basin and Lytle Basin) and the Riverside North Basin.**			

G-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	3,935	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	2003	
	Year ending baseline period range[4]	2007	

[1]If 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.

[2]The 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.

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

[4]The 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**
No	**3. DWR Population Tool**
Yes	**4. Other** DWR recommends pre-review

SB X7-3 | Service Area Population

STATUS: Published

NOTES: -

Year		Population
10 to 15 Year Baseline Population		
Year 1	2000	14,476
Year 2	2001	14,552
Year 3	2002	14,628
Year 4	2003	14,705
Year 5	2004	14,782
Year 6	2005	14,859
Year 7	2006	14,937
Year 8	2007	15,015
Year 9	2008	15,094
Year 10	2009	15,173
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	14,705
Year 2	2004	14,782
Year 3	2005	14,859
Year 4	2006	14,937
Year 5	2007	15,015
2020 Compliance Year Population		
2020		20,755

SB X7-4 | Annual Gross Water Use

STATUS: Published

NOTES: -

Baseline Year *From SB X7-3*		Volume Into Distribution System *From SB X7-4A*	Deductions					Annual Gross Water Use
			Exported Water	Change in Distribution System Storage (+/-)	Indirect Recycled Water *From SB X7-4B*	Water Delivered for Agricultural Use	Process Water *From SB X7-4D*	
10 to 15 Year Baseline - Gross Water Use								
Year 1	**2,000**	**5,170**			**0**	1,176	**-**	**3,994**
Year 2	**2,001**	**4,655**			**0**	839	**-**	**3,816**
Year 3	**2,002**	**5,794**			**0**	1,022	**-**	**4,772**
Year 4	**2,003**	**4,630**			**0**	708	**-**	**3,922**
Year 5	**2,004**	**4,545**			**0**	501	**-**	**4,044**
Year 6	**2,005**	**4,414**			**0**	691	**-**	**3,723**
Year 7	**2,006**	**3,847**			**0**	163	**-**	**3,684**
Year 8	**2,007**	**4,218**			**0**	96	**-**	**4,122**
Year 9	**2,008**	**3,935**			**0**	64	**-**	**3,871**
Year 10	**2,009**	**3,916**			**0**	91	**-**	**3,825**
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:	**3,977**
5 Year Baseline - Gross Water Use								
Year 1	**2,003**	**4,630**			**0**	708	**-**	**3,922**
Year 2	**2,004**	**4,545**			**0**	501	**-**	**4,044**
Year 3	**2,005**	**4,414**			**0**	691	**-**	**3,723**
Year 4	**2,006**	**3,847**			**0**	163	**-**	**3,684**
Year 5	**2,007**	**4,218**			**0**	96	**-**	**4,122**
							5 year baseline average gross water use:	**3,899**
2020 Compliance Year - Gross Water Use								
2020		**4,246**			**0**		**-**	**4,246**

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

STATUS: Published

NOTES: -

The supplier's own water source				
Name of Source:		**Lytle Creek, Bunker Hill,Rialto-Colton, Riverside North**		
Baseline Year *From SB X7-3*		**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**	5,170		**5,170**
Year 2	**2,001**	4,655		**4,655**
Year 3	**2,002**	5,794		**5,794**
Year 4	**2,003**	4,630		**4,630**
Year 5	**2,004**	4,545		**4,545**
Year 6	**2,005**	4,414		**4,414**
Year 7	**2,006**	3,847		**3,847**
Year 8	**2,007**	4,218		**4,218**
Year 9	**2,008**	3,935		**3,935**
Year 10	**2,009**	3,916		**3,916**
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	**2,003**	4,630		**4,630**
Year 2	**2,004**	4,545		**4,545**
Year 3	**2,005**	4,414		**4,414**
Year 4	**2,006**	3,847		**3,847**
Year 5	**2,007**	4,218		**4,218**
2020 Compliance Year - Water into Distribution System				
2020		4,246		**4,246**

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

STATUS: Published

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**	**14,476**	**3,994**	**246**
Year 2	**2001**	**14,552**	**3,816**	**234**
Year 3	**2002**	**14,628**	**4,772**	**291**
Year 4	**2003**	**14,705**	**3,922**	**238**
Year 5	**2004**	**14,782**	**4,044**	**244**
Year 6	**2005**	**14,859**	**3,723**	**224**
Year 7	**2006**	**14,937**	**3,684**	**220**
Year 8	**2007**	**15,015**	**4,122**	**245**
Year 9	**2008**	**15,094**	**3,871**	**229**
Year 10	**2009**	**15,173**	**3,825**	**225**
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:	**240**
5 Year Baseline GPCD				
Year 1	**2003**	**14,705**	**3,922**	**238**
Year 2	**2004**	**14,782**	**4,044**	**244**
Year 3	**2005**	**14,859**	**3,723**	**224**
Year 4	**2006**	**14,937**	**3,684**	**220**
Year 5	**2007**	**15,015**	**4,122**	**245**
			5 Year Average Baseline GPCD:	**234**
2020 Compliance Year GPCD				
2020		**20,755**	**4,246**	**183**

SB X7-6 | Gallons per Capita per Day

STATUS:	Published
NOTES:	-

Summary from Table SB X7-7 Table 5	
10-15 Year Baseline GPCD	240
5 Year Baseline GPCD	234
2020 Compliance Year GPCD	183

SB X7-7 | 2020 Target Method

STATUS: Published

NOTES: -

Select Only One	
Yes	**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.
No	**Method 4.** Complete Method 4 Calculator below.

SB X7-7A | 2020 Target Method 1

20% Reduction	
10-15 Year Baseline GPCD	**2020 Target GPCD**
240	**192**

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**
234	**223**	192	**192**

[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: Published

NOTES: -

Confirmed 2020 Target From SB X7-7-F	**10-15 year Baseline GPCD** From SB X7-5	**2015 Interim Target GPCD**
192	**240**	**216**

SB X7-9 | 2020 Compliance

STATUS: Published

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		
183	192				0	183	183	YES

G-8: AWWA Water Audits

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: Riverside Highland Water Company (3610057)

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.

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

Master Meter and Supply Error Adjustments

WATER SUPPLIED

					Pcnt:	Value:	
Volume from own sources:	5	3,056.200	acre-ft/yr	3			acre-ft/yr
Water imported:	n/a	0.000	acre-ft/yr				acre-ft/yr
Water exported:	n/a	0.000	acre-ft/yr				acre-ft/yr
WATER SUPPLIED:		**3,056.200**	acre-ft/yr				

Enter negative % or value for under-registration

Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Click here: ? for help using option buttons below

				Pcnt:	Value:	
Billed metered:	4	2,918.630	acre-ft/yr			
Billed unmetered:	n/a	0.000	acre-ft/yr			
Unbilled metered:	n/a	0.000	acre-ft/yr			
Unbilled unmetered:	9	7.303	acre-ft/yr	1.25%	7.303	acre-ft/yr
FALSE						
AUTHORIZED CONSUMPTION:		**2,925.933**	acre-ft/yr			

Use buttons to select percentage of water supplied **OR** value

WATER LOSSES (Water Supplied - Authorized Consumption) **130.267** acre-ft/yr

Apparent Losses

				Pcnt:	Value:	
Unauthorized consumption:		7.641	acre-ft/yr	0.25%		acre-ft/yr

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

Customer metering inaccuracies:	3	29.481	acre-ft/yr	1.00%		acre-ft/yr
Systematic data handling errors:		7.297	acre-ft/yr	0.25%		acre-ft/yr

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

Apparent Losses: **44.418** acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **85.849** acre-ft/yr

WATER LOSSES: **130.267** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **137.570** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	6	76.0	miles
Number of active AND inactive service connections:	9	4,358	
Service connection density:		57	conn./mile main

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

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: 5 70.0 psi

COST DATA

Total annual cost of operating water system:	10	$3,277,505	$/Year	
Customer retail unit cost (applied to Apparent Losses):	9	$1.37	$/100 cubic feet (ccf)	
Variable production cost (applied to Real Losses):	5	$107.03	$/acre-ft	☐ Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 57 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: Billed metered

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: Riverside Highland Water Company (3610057)
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.

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

Master Meter and Supply Error Adjustments

WATER SUPPLIED

				Pcnt:	Value:	
Volume from own sources:	2	3,493.700	acre-ft/yr	2		acre-ft/yr
Water imported:	n/a	0.000	acre-ft/yr			acre-ft/yr
Water exported:	n/a	0.000	acre-ft/yr			acre-ft/yr
WATER SUPPLIED:		**3,493.700**	acre-ft/yr			

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

AUTHORIZED CONSUMPTION

Click here: ? for help using option buttons below

				Pcnt:	Value:	
Billed metered:	8	3,344.109	acre-ft/yr			
Billed unmetered:	n/a	0.000	acre-ft/yr			
Unbilled metered:	n/a	0.000	acre-ft/yr			
Unbilled unmetered:		43.671	acre-ft/yr	1.25%		acre-ft/yr

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

AUTHORIZED CONSUMPTION: **3,387.780** acre-ft/yr

Use buttons to select percentage of water supplied **OR** value

WATER LOSSES (Water Supplied - Authorized Consumption) **105.920** acre-ft/yr

Apparent Losses

				Pcnt:	Value:	
Unauthorized consumption:		8.734	acre-ft/yr	0.25%		acre-ft/yr

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

Customer metering inaccuracies:	7	33.779	acre-ft/yr	1.00%		acre-ft/yr
Systematic data handling errors:		8.360	acre-ft/yr	0.25%		acre-ft/yr

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

Apparent Losses: **50.873** acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **55.046** acre-ft/yr

WATER LOSSES: **105.920** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **149.591** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	6	77.0	miles
Number of active AND inactive service connections:	8	4,527	
Service connection density:		59	conn./mile main

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

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: 8 70.0 psi

COST DATA

Total annual cost of operating water system:	10	$3,464,665	$/Year	
Customer retail unit cost (applied to Apparent Losses):	7	$68.16	$/100 cubic feet (ccf)	
Variable production cost (applied to Real Losses):	5	$107.57	$/acre-ft	☐ 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: Variable production cost (applied to Real Losses)
3: Unauthorized consumption

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: Riverside Highland Water Company (3610057)
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 the utility meets or exceeds all criteria for that grade and all grades below it.

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

Master Meter and Supply Error Adjustments

WATER SUPPLIED

					Pcnt:	Value:	
Volume from own sources:	3	3,219.000	acre-ft/yr	3	0.00%		acre-ft/yr
Water imported:	3	565.000	acre-ft/yr	3	0.00%		acre-ft/yr
Water exported:	n/a	0.000	acre-ft/yr				acre-ft/yr
WATER SUPPLIED:		**3,784.000**	acre-ft/yr				

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

AUTHORIZED CONSUMPTION

Click here: ? for help using option buttons below

				Pcnt:	Value:	
Billed metered:	8	3,659.664	acre-ft/yr			
Billed unmetered:	n/a	0.000	acre-ft/yr			
Unbilled metered:	n/a	0.000	acre-ft/yr			
Unbilled unmetered:		47.300	acre-ft/yr	1.25%		acre-ft/yr
AUTHORIZED CONSUMPTION:		**3,706.964**	acre-ft/yr			

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

Use buttons to select percentage of water supplied **OR** value

WATER LOSSES (Water Supplied - Authorized Consumption)

77.036 acre-ft/yr

Apparent Losses

				Pcnt:	Value:	
Unauthorized consumption:		9.460	acre-ft/yr	0.25%		acre-ft/yr
Customer metering inaccuracies:	3	36.966	acre-ft/yr	1.00%		acre-ft/yr
Systematic data handling errors:		9.149	acre-ft/yr	0.25%		acre-ft/yr
Apparent Losses:		**55.575**	acre-ft/yr			

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

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

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **21.461** acre-ft/yr

WATER LOSSES: **77.036** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **124.336** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	6	80.0	miles
Number of active AND inactive service connections:	8	4,868	
Service connection density:		61	conn./mile main
Are customer meters typically located at the curbstop or property line?		Yes	
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	76.0	psi

COST DATA

Total annual cost of operating water system:	10	$3,464,665	$/Year	
Customer retail unit cost (applied to Apparent Losses):	7	$1.27	$/100 cubic feet (ccf)	
Variable production cost (applied to Real Losses):	5	$122.10	$/acre-ft	☐ Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 52 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)

G-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 Riverside Highland Water Company to obtain the most current version of the WSCP.

Riverside Highland Water Company
Water Shortage Contingency Plan

JUNE 2021 | Riverside Highland Water Company

WSC

RIVERSIDE HIGHLAND WATER COMPANY

Water Shortage Contingency Plan

Riverside Highland Water Company

JUNE 2021

Prepared by Water Systems Consulting, Inc.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

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
RHWC	Riverside Highland Water Company
RRA	Risk and Resilience Assessment
SWP	State Water Project
UWWP	Urban Water Management Plan
WSCP	Water Shortage Contingency Plan

WATER SHORTAGE CONTINGENCY PLAN

Riverside Highland Water Company

This Water Shortage Contingency Plan is a strategic plan that the Riverside Highland Water Company uses to prepare for and respond to water shortages.

The Water Shortage Contingency Plan (WSCP) is a strategic plan that Riverside Highland Water Company (RHWC) 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 RHWC 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 RHWC maintain reliable supplies and reduce the impacts of any supply shortages and/or interruptions.

This WSCP was prepared in conjunction with RHWC'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

The WSCP describes the following:

1. **Water Service Reliability Analysis:** Summarizes RHWC'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 RHWC 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, RHWC 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. RHWC 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, RHWC 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, RHWC'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, RHWC 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, RHWC 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 RHWC at the time of analysis and can be update or revised at any time if circumstances change.

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

- **General Manager**
- **Administrative Manager**
- **Productions Manager**
- **Operations Manager**
- **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	General Manager and/or Production Manager
JAN - FEB	Estimate available supplies for the year, considering the following year will be dry	The BTAC evaluates change in groundwater storage each year and discusses allocation of available supplies. The SBBA, the Rialto-Colton Basin, and the Riverside North Basin 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, RHWC will coordinate with the BTAC to identify anticipated supplies.	General Manager and/or Production Manager
JAN - FEB	Consider potential constraints that may impact supply delivery	Identify any known regional or RHWC infrastructure issues that may pertain to near-term water supply reliability, including repairs, construction, and environmental mitigation measures that may temporarily constrain capabilities, as well as any new projects that may add to system capacity. Identify any facilities out of service due to water quality problems, equipment failure, etc. that may impact normal water deliveries. Identify any potential or emerging impacts to groundwater quality, such as emerging regulatory constraints that may limit use of available supplies for potable needs.	General Manager and/or Production Manager
FEB	Convene WSCP Team to conduct Annual Assessment	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. 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.	WSCP Team

TIMING	ASSESSMENT ACTIVITIES	PROCEDURE, KEY DATA INPUTS, EVALUATION CRITERIA AND OTHER CONSIDERATIONS	STAFF RESPONSIBLE
JUNE	Board of Directors	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 RHWC 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.	General Manager Board of Directors
ON-GOING	Implement WSCP actions, if needed	Relevant members of RHWC staff will implement shortage response actions associated with the declared water shortage stage	WSCP Team
BY JULY 1	Submit Retail Annual Assessment	Send Final Retail Annual Assessment to DWR	WSCP Team

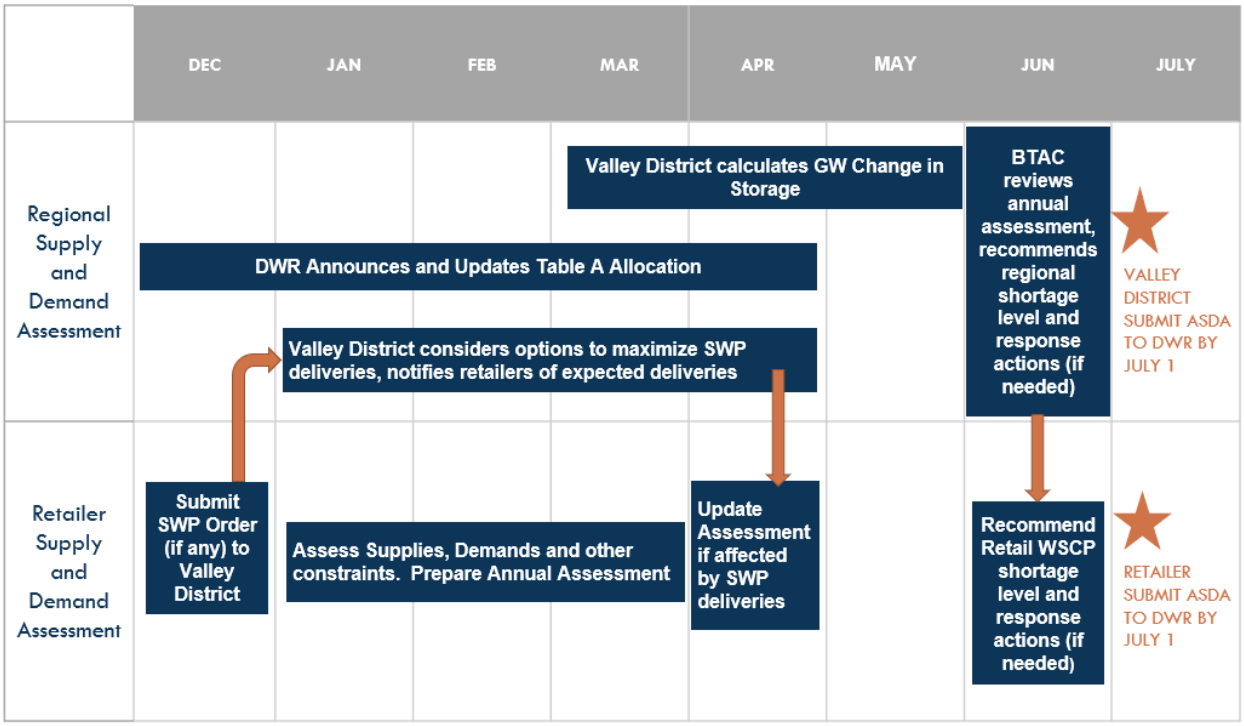


Figure 1. Regional and Retail Agency Annual Assessment Process and Timeline

3.0 Water Shortage Stages

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

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

Stage I: Normal Conditions

During times of normal supply, it is recommended that water conservation be practiced within the home or business and prevent the waste of unreasonable use of water.

Stage II: Water Alert

Stage 2 has more prohibitions, in addition to the prohibitions contained in Stage 1.

Stage III: Water Warning

Stage 3 has more prohibitions, in addition to the prohibitions and actions under Stage 2.

Stage IV: Water Emergency

Stage 4 is the most restrictive stage. Under this stage water use is limited to essential household, commercial, manufacturing or processing uses.

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. RHWC is maintaining the current four shortage stages for this WSCP. A crosswalk defines how RHWC'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.**

Stage	% Supply Shortage	Water Supply Condition
1	10	Normal Condition
2	25	Water Alert Conditions
3	35	Water Warning Conditions
4	≥50	Water Emergency Conditions

DWR Standard Shortage Stage	Water Supply Conditions
1	Up to 10%
2	Up to 20%
3	Up to 30%
4	Up to 40%
5	Up to 50%
6	>50%

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 Condition (RHWC Stage 1)
2	Up to 20%	Water Alert Condition (RHWC Stage 2)
3	Up to 30%	Water Warning Condition (RHWC Stage 3)
4	Up to 40%	Water Emergency Condition (RHWC Stage 4)
5	Up to 50%	Water Emergency Condition (RHWC Stage 4)
6	>50%	Water Emergency Condition (RHWC 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) RHWC 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 RHWC can take in the event of a water shortage condition. RHWC currently maintains interconnections with the City of San Bernardino, City of Colton and the City of Rialto. During water shortage emergencies, RHWC may be able to obtain supplemental water supply though 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	0-1000	Emergency Inter-Ties with City of San Bernardino
4	Other purchases	0-1000	Emergency Inter-Ties with City of Rialto
4	Other purchases	0-1000	Emergency Inter-Ties with City of Colton

4.2 Demand Reduction

To balance supply and demand, RHWC has a water rate structure to promote water efficiency as well as end use prohibitions that may be implemented to reduce user demands. 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
1	Landscape - Restrict or prohibit runoff from landscape irrigation	0-5%	Water use which results in flooding or run-off should be prevented and controlled.	Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	0-1%	Leaking plumbing fixtures shall be repaired in a timely manner so as to not waste water.	Yes
1	Other - Require automatic shut of hoses	0-1%	The use of sprinklers for any type of irrigation during high winds is prohibited.	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
2	CII - Restaurants may only serve water upon request	0-1%	All restaurants prohibited from serving water to their customers except upon specific request.	Yes
2	Landscape - Limit landscape irrigation to specific times	0-5%	Commercial nurseries shall water only between 11 P.M. and 6 A.M. using hand held devices or drip irrigation	Yes
2	Landscape - Other landscape restriction or prohibition	0-5%	Irrigation limited to crops presently planted.	Yes
2	Landscape - Restrict or prohibit runoff from landscape irrigation	0-5%	School grounds shall prevent run-off from irrigation activities. All publicly owned lawns and landscape shall prevent run-off from irrigation activities. All residential lawn watering shall prevent run-off from irrigation activities.	Yes
2	Other - Prohibit use of potable water for washing hard surfaces	0-1%	There shall be no washing of driveways or sidewalks.	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
2	Water Features - Restrict water use for decorative water features, such as fountains	0-1%	The washing of automobiles, trucks, trailers, 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
3	Landscape - Limit landscape irrigation to specific days	0-5%	All residential lawn watering to be performed on a Company approved schedule for hours and days of the week.	Yes
3	Landscape - Limit landscape irrigation to specific times	0-5%	All agricultural water users shall irrigate only at time approved by the company.	Yes
3	Landscape - Limit landscape irrigation to specific times	0-35%	Commercial nurseries shall water only between 11 P.M. and 6 A.M. using hand held devices or drip irrigation. Consumption shall be reduced by a minimum of 35%. School grounds to be watered on a Company approved schedule for hours and days of the week. Consumption shall be reduced by a minimum of 35%. All publicly owned lawns, landscape watering to be performed on a Company approved schedule for hours and days of the week. Consumption shall be reduced by a minimum of 35%.	Yes
3	Other water feature or swimming pool restriction	0-1%	Swimming pools and fountains are not to be refilled after draining.	Yes
4	CII - Other CII restriction or prohibition	0-1%	No construction water use to be allowed, construction meters to be locked off or removed.	Yes
4	Landscape - Prohibit all landscape irrigation	10-30%	No lawn or landscape water will be allowed.	Yes
All	Expand Public Information Campaign	0-20%		No

4.3 Operational Changes and Additional Mandatory Restrictions

There are no operational changes or additional mandatory restrictions beyond the actions listed in **Table 3** and **Table 4** implemented in response to the declaration of a shortage response stage.

4.4 Emergency Response Plan

In 2021, RHWC will complete 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 RHWC's infrastructure. The RRA will assess RHWC'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, is conjunction with the Emergency Response Plan (ERP), charts a course for water system resilience. The RRA also provided various recommendations to increase reliability of RHWC'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 RHWC's staff only. However, RHWC can confirm that these plans meet the requirements set forth by AWIA and evaluate seismic risks and mitigation actions to RHWC's infrastructure.

In the event of a water shortage emergency resulting from equipment failure, power outage, or other catastrophe, RHWC owns ten storage reservoirs which hold 13 million gallons. This would be sufficient water to meet health and safety requirements of 50 gallons per day per capita for the 5,335 customers for a limited number of days assuming zero non-residential use.

RHWC also has interconnections with the Cities of Colton, Rialto and San Bernardino for emergency supplies and is prepared to purchase emergency water supplies while repairs or other remedial actions are underway.

RHWC has portable back-up generators that can be used in the event of an area wide power outage. The generators can be located on both wells and booster stations throughout the system to continue water production. In addition to the portable generators for wells and pumps, RHWC has two stationary generators at their corporate facility to maintain operations and will be installing another stationary generator at a Booster pump that has experienced outages in 2021.

RHWC 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 addition to the AWIA RRA and ERP which will specifically address seismic risk and mitigation plans, the Riverside Highland Water Company has an Emergency Preparedness and Response Procedure that includes guidelines for response actions if an emergency due to an earthquake were to occur.

4.6 Shortage Response Action Effectiveness

RHWC 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

RHWC prioritizes effective communication, especially in times of a water shortage emergency. RHWC 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. RHWC continues to provide reminders about shortage stages and encourages conservation at all times.

6.0 Compliance and Enforcement

RHWC could implement the following mechanisms to enforce the water use prohibitions:

1. **First Violation** – issuance of written notice of violation to the water user, or a door tag placed on the customer's door.
2. **Second Violation** – a fine or surcharge of $100.
3. **Third Violation** – a fine or surcharge of $200.
4. **Fourth Violation** – a fine or surcharge of $500 and/or the installation of a flow restricting device on the water meter at the Board of Directors discretion.

7.0 Legal Authorities

In 1987, RHWC started and maintained various funds whereby it can respond to emergencies without waiting for funds from outside sources. RHWC has approved a living document known as the "Emergency Preparedness and Response Procedure" in March, 1994 and most recently revised the document in April 2020 and adopted a "Water Shortage Contingency Plan" in July of 2014 which is included in **Attachment 1**.

7.1 Water Shortage Emergency Declaration

In accordance with CWC Section Division 1, Section 350 – RHWC 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, RHWC 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

During stages 2 through 4 of the RHWC WSCP, water consumption will decrease based on 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. Additional costs may also be incurred to monitor and enforce response actions to ensure RHWC customers comply with CWC Chapter 3.3 (Excessive Residential Water Use During Drought). The incurred cost may vary depending on the shortage stage and duration of the water shortage emergency.

In order to mitigate the financial impacts of a water shortage, RHWC maintains various emergency funds including an Operating Budget Fund which is 120 days of expenses and a Rate Stabilization Fund which is 15 % of the annual operating budget for loss of income including drought restrictions. These funds could be used to stabilize water rates during periods of water shortage or disasters affecting the water supply. Even with these reserves, rate increases may be necessary during a prolonged water shortage. RHWC has increased its monthly meter charge and assessments to better balance its fixed expenses/fixed income versus its variable revenue/expenses.

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. RHWC 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 RHWC's Board for discretionary approval. Once discretionary approval has been granted, RHWC 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

RHWC 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 24, 2021** to receive public input on the draft 2020 IRUWMP and the WSCP.

The RHWC Board of Directors adopted the 2020 IRUWMP and the WSCP at a public meeting on **June 24, 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 Riverside Highland Water Company web site.

If RHWC 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.

The WSCP will be presented for adoption to RHWC's Board at a public Board of Directors meeting. The Board may submit any comments prior to approval and adoption. The WSCP will be submitted to DWR at the same time as the 2020 Urban Water Management Plan. The WSCP will be made available to all staff, customers, and any affected cities, counties, or other members of the public at the RHWC office and online.

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: Riverside Highland Water Company's Water Shortage Contingency Plan

12374 Michigan Street • Grand Terrace, CA 92313-5602 • (909) 825-4128 • FAX (909) 825-1715

MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS

July 24, 2014

Present: Directors Kidd, McKeever, Larkin, Best, NcNaboe, Saunder and Seuylemezian; Also General Manager Hough, Distribution Superintendent Gudgeon

Absent: Directors Baker and McHugh, Administrative Sec/Treas Gimple

---

The regular meeting of the Board of Directors of Riverside Highland Water Company, held in the Boardroom at 12374 Michigan Street, Grand Terrace, CA, was convened by President McKeever at 9:00 a.m., July 24, 2014.

...
...
...

The Riverside Highland Water Company Water Shortage Contingency Plan was reviewed and discussed. The motion was made and seconded (Seuylemezian/McNaboe) to approve the plan. Passed

12374 Michigan Street • Grand Terrace, CA 92313-5602 • (909) 825-4128 • FAX (909) 825-1715

Riverside Highland Water Company

Water Shortage Contingency Plan

9.0 Water Shortage Contingency Plan

Water supplies may be interrupted or reduced significantly in a number of ways, such as a drought which limits supplies, an earthquake which damages delivery or storage facilities, or a regional power outage. This section focuses on water shortage contingency planning for Riverside Highland Water Company.

Table 9-1
SUMMARY OF CURRENT AND PLANNED WATER SUPPLIES (AF)

Water Supply Source		Supply (AF)					
Existing		2010	2015	2020	2025	2030	2035
	Wholesale/Imported	0	0	0	0	0	0
	Groundwater	13,390	13,390	13,390	13,390	13,390	13,390
	Local Surface Water	0	0	0	0	0	0
	Recycled Water	0	0	0	0	0	0
	Transfers/Exchanges	1,000	1,000	1,000	1,000	1,000	1,000
	Groundwater Banking	0	0	0	0	0	0
	Total Existing Supplies	14,390	14,390	14,390	14,390	14,390	14,390
Planned							
	Wholesale/Imported	0	0	0	0	0	0
	Groundwater	0	1,200	2,400	3,600	6,000	6,000
	Local Surface Water	0	0	0	0	0	0
	Recycled Water	0	0	0	0	0	0
	Transfers/Exchanges	0	0	0	0	0	0
	Groundwater Banking	0	0	0	0	0	0
	Total Planned Supplies	**0**	**1,200**	**2,400**	**3,600**	**6,000**	**6,000**
	Total Existing and Planned Supplies	**0**	**15,590**	**56,000**	**16,790**	**17,990**	**20,390**

12374 Michigan Street • Grand Terrace, CA 92313-5602 • (909) 825-4128 • FAX (909) 825-1715

9.1 Coordinated Planning

Disasters, such as earthquakes, can and will occur without notice. In order to minimize confusion and service interruptions, the Company has developed an emergency plan. This emergency plan provides guidelines for actions to be undertaken by personnel during an emergency.

In an emergency, personnel are required to meet at a reporting location for the assignment of duties. Those personnel who are unable to report because of downed structures or other obstacles are authorized by the Company to offer their services to local water providers if those providers are also experiencing an emergency. Once damages have been identified, the plan provides for the dispatch of repair personnel. In cases where water service is diminished due to such emergencies, the Company has the option of notifying the public through press releases, Company web site, flyers, and telephone depending on the severity of the emergency.

9.2 Stages of Action to Respond to Water Shortages

In order to minimize the social and economic impact of water shortages, the Company will manage water supplies prudently. As the shortages become evident to the General Manager, the General Manager will stay in contact with the Board of Directors. Shortages may evoke a stage at any time. The four-stage rationing plan to be undertaken by the Company in response to water supply shortages is listed in table 9-2 and is described in the "Water Conservation Provisions of stages 2, 3 and 4.

Table 9-2
WATER CONSERVATION PROVISIONS

Stage	Percent Shortage	Conservation Measures	Expected Overall Reduction
1	Normal	Voluntary	10%
2	10% to 25%	Voluntary/Mandatory	25%
3	25% to 35%	Mandatory	35%
4	35% to 50%	Mandatory	50%+

RIVERSIDE HIGHLAND WATER COMPANY
THINK – PLAN – PERFORM
CONSERVATION
12374 Michigan Street • Grand Terrace, CA 92313-5602 • (909) 825-4128 • FAX (909) 825-1715

9.3 Stage 1 – Normal Conditions

During times of normal supply, it is recommended that water conservation be practiced within the home or business and prevent the waste of unreasonable use of water. These include the following:

- No water shall be used to clean, fill, operate or maintain levels in decorative fountains unless the water is part of a recycling system.
- Leaking plumbing fixtures shall be repaired in a timely manner so as to not waste water.
- Water use which results in flooding or run-off should be prevented and controlled.
- The use of sprinklers for any type of irrigation during high winds is prohibited.

9.4 Stage 2 – Water Alert Conditions

In addition to the prohibitions contained in Stage 1, Stage 2 has the following savings:

- The washing of automobiles, trucks, trailers, 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.
- Commercial nurseries shall water only between 11 P.M. and 6 A.M. using hand held devices or drip irrigation.
- School grounds shall prevent run-off from irrigation activities
- All publicly owned lawns and landscape shall prevent run-off from irrigation activities.
- All residential lawn watering shall prevent run-off from irrigation activities.
- There shall be no washing of driveways or sidewalks.
- Irrigation limited to crops presently planted.
- All restaurants prohibited from serving water to their customers except upon specific request.

9.5 Stage 3 – Water Warning Conditions

Stage 3 has the following aspects, in addition to the prohibitions and actions under Stage 2:

- Commercial nurseries shall water only between 11 P.M. and 6 A.M. using hand held devices or drip irrigation. Consumption shall be reduced by a minimum of 35%.
- School grounds to be watered on a Company approved schedule for hours and days of the week. Consumption shall be reduced by a minimum of 35%.
- All publicly owned lawns, landscape watering to be performed on a Company approved schedule for hours and days of the week. Consumption shall be reduced by a minimum of 35%
- All residential lawn watering to be performed on a Company approved schedule for hours and days of the week.

- All agricultural water users shall irrigate only at time approved by the company.
- Swimming pools and fountains are not to be refilled after draining.

9.6 Stage 4 – Water Emergency Conditions

Stage 4 is the most restrictive stage. Under this stage water use is limited to essential household, commercial, manufacturing or processing uses. No lawn or landscape water will be allowed. No construction water use to be allowed, construction meters to be locked off or removed.

9.7 Actions to Prepare for Catastrophic Interruption

Extended multi-week supply shortages due to natural disasters or accidents which will damage all water sources are unlikely. The Company's 7 storage reservoirs hold 8 million gallons, which is sufficient water to meet health and safety requirements of 50 gallons per day per capita for the 12,000 customers for 13 days. This assumes zero non-residential use.

The Company also has interconnections with four other agencies for emergency supplies.

The Company 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 throughout the system to continue water production.

9.8 Penalties and Consumption Reduction Methods

Penalties for noncompliance can range from warning notices to monetary surcharges or fines. For extreme cases, the placement of flow-restricting devices or the complete shutoff of the water service may be necessary.

9.9. Violations

- First Violation – issuance of written notice of violation to the water user.
- Second Violation – a fine or surcharge of $100 is imposed on the water account.
- Third Violation – a fine or surcharge of $200 is imposed on the water account.
- Fourth Violation – a fine or surcharge of $500 and/or the installation of a flow restricting device on the water meter at the Board of Directors discretion.

9.10 Financial Impacts of Actions During Shortages

During stages 2 through 4 of the Company's Water Shortage Contingency Plan, water consumption will decrease based on 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. In order to mitigate the financial impacts of a water shortage, the Company maintains sufficient funds within their account. These funds could be used to stabilize

RIVERSIDE HIGHLAND WATER COMPANY
THINK – PLAN – PERFORM
EST. 1909
CONSERVATION
12374 Michigan Street • Grand Terrace, CA 92313-5602 • (909) 825-4128 • FAX (909) 825-1715

water rates during periods of water shortage or disasters affecting the water supply. Even with these reserves, rate increases may be necessary during a prolonged water shortage.

9.11 Mechanism to Determine Reductions in Water Use

The mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency plan will be the review of the daily production figures and the bi-monthly water meter readings. The General Manager or his designee shall access all available water supply data and shall make a report of his findings to the Board of Directors at the next regular meeting or at a special meeting called for that purpose. The Board of Directors at that time will determine and declare which of the four previously discussed conditions the Company's water supply is in and the extent of water conservation required to prudently plan for and supply water to the Company's customers.

Attachment 2: Adoption Resolution

RESOLUTION 2021-2

RESOLUTION OF THE BOARD OF DIRECTORS OF RIVERSIDE HIGHLAND WATER COMPANY 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, Riverside Highland Water Company 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 Riverside Highland Water Company 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

WHERAS, the WSCP references and incorporates the provisions of the Riverside Highland Water Company's previously prepared WSCP in 2014; and

WHEREAS, in accordance with the UWMP Act, the Riverside Highland Water Company 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 Riverside Highland Water Company's WSCP was published within the jurisdiction of the Riverside Highland Water Company on June 9, 2021 and June 16, 2021; 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 24, 2021 at 9:00 am, or soon thereafter, by virtual meeting in the Board Room of the Riverside Highland Water Company office 12374 Michigan Street, Grand Terrace, CA 92313 and via ZOOM 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 Riverside Highland Water Company, among other things, encouraged the active involvement of diverse social, cultural, and economic members of the community within Riverside Highland Water Company's service area with regard to the preparation of the 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 Riverside Highland Water Company 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 Riverside Highland Water Company'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 of county within which the Riverside Highland Water Company 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 Riverside Highland Water Company's offices during normal business hours and on The Riverside Highland Water Company'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 Riverside Highland Water Company 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, this 24th day of June, 2021.

James P McNaboe

President

June 24, 2021

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of Resolution 2021-2 adopted by the Board of Directors of Riverside Highland Water Company at its regular meeting held on June 24, 2021.

Donald Larkin Jr.

Secretary-Treasurer