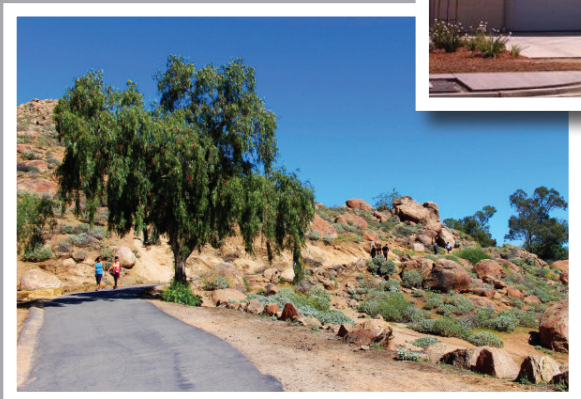
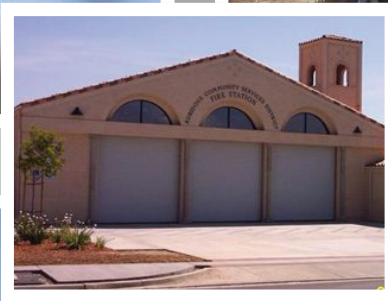
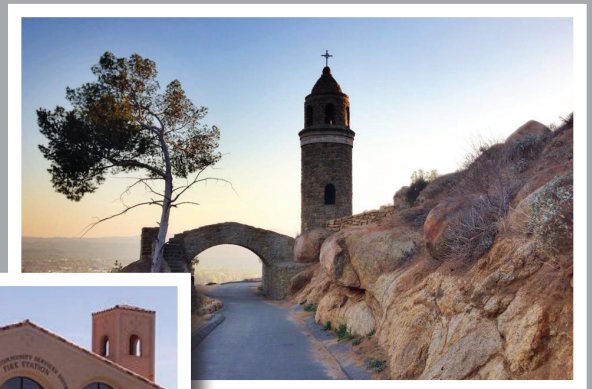




Rubidoux Community Services District

2015 Urban Water Management Plan

DRAFT



Prepared By:
KRIEGER & STEWART
Engineering Consultants

July 2016



RUBIDOUX COMMUNITY SERVICES DISTRICT
3590 RUBIDOUX BOULEVARD
JURUPA VALLEY, CA 92509-4525
(915) 684-7580

**RUBIDOUX COMMUNITY SERVICES DISTRICT
DRAFT 2015 URBAN WATER MANAGEMENT PLAN**

JULY 2016

Prepared by



KRIEGER & STEWART
Engineering Consultants

3602 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
(951) 684-6900

For Submission To
CALIFORNIA DEPARTMENT OF WATER RESOURCES
OFFICE OF WATER USE EFFICIENCY
1416 NINTH STREET
SACRAMENTO, CA 94236-0001

SIGNATURE _____

DATE _____



**RUBIDOUX COMMUNITY SERVICES DISTRICT
Jurupa Valley, California**

**2015 URBAN WATER MANAGEMENT PLAN
CONTACT SHEET**

Date plan submitted to the Department of Water Resources: **August 5, 2016**

Name of person preparing this plan: **David F. Scriven
Victoria E. Morrell
Krieger & Stewart, Incorporated
RCSD Consulting Engineer**

Phone: **(951) 684-6900**

Fax: **(951) 684-6986**

E-mail address: **dscriven@kriegerandstewart.com
vmorrell@kriegerandstewart.com**

The Water Supplier is a: **Community Services District**

The Water Supplier is a: **Retailer**

Utility services provided by the Water Supplier include: **Domestic Water Service,
Wastewater Collection and Treatment**

Is this Agency a Bureau of Reclamation Contractor? **No**

Is this Agency a State Water Project Contractor? **No**

TABLE OF CONTENTS



TABLE OF CONTENTS

PAGE

CONTACT SHEET 1

SECTION 1 PLAN PREPARATION 1-1

 A. Coordination 1-1

 B. Plan Adoption, Submittal, and Implementation 1-4

 C. Water Management Tools and Options 1-5

 Table 1-1 Coordination with Appropriate Agencies

SECTION 2 SYSTEM DESCRIPTION 2-1

 A. District Formation and Purpose 2-1

 B. Service Area Description 2-1

 C. Service Area Population 2-2

 D. Service Area Climate 2-2

 E. Other Demographic Factors 2-4

 Table 2-1 Estimated Current and Projected Population

 Table 2-2 Climate

SECTION 3 BASELINES AND TARGETS 3-1

 A. Base Daily Per Capita Water Use (Baseline) 3-2

 B. Urban Water Use Target 3-3

 C. Minimum Water Use Reduction Requirement 3-4

 D. Interim Urban Water Use Target and Compliance 3-5

 Table 3-1 Baseline Water Use

 Table 3-2 Five-Year Baseline Water Use

 Table 3-3 Baseline and Target Summary

SECTION 4 SYSTEM DEMANDS 4-1

 A. Past, Current, and Projected Water Demands 4-1

 1. Residential Sector 4-3

 2. Commercial/Industrial Sector 4-3

 3. Institutional/Governmental Sector 4-4

 4. Landscape Sector 4-4

 5. Distribution System Water Losses 4-4

 B. Water Supplies for Lower-Income Housing 4-5

 C. Water Use Reduction Plan 4-6

 Table 4-1 Current and Projected Water Deliveries (AF/yr)

 Table 4-2 Additional Water Uses and Losses (AF/yr)

 Table 4-3 Current and Projected Total Water Use (AF/yr)



SECTION 5 SYSTEM SUPPLIES.....5-1

- A. Water Supply Source5-1
- B. Groundwater Basin5-2
- C. Groundwater Supplies.....5-3
- D. Transfer Opportunities5-4
- E. Future Water Supply Projects5-6
- F. Desalinated Water Opportunities5-7
- G. Wastewater System Description and Opportunities for Recycled Water Use5-8
 - 1. Wastewater Treatment5-8
 - 2. Recycled Water Use.....5-9
 - 3. Recycled Water Optimization Plan.....5-11

Table 5-1 Quantities of Groundwater Pumped (AF/yr)
 Table 5-2 Quantities of Groundwater Projected to be Pumped (AF/yr)
 Table 5-3 Past Sales to Other Agencies
 Table 5-4 Projected Sales to Other Agencies
 Table 5-5 Quantities of RCSD Wastewater Treated at RWQCP (AF/yr)
 Table 5-6 Projected Quantities of RCSD Wastewater Requiring Treatment and Disposal (AF/yr)

SECTION 6 WATER SUPPLY RELIABILITY6-1

- A. Supply Constraints6-1
- B. Water Quality.....6-1
 - 1. General.....6-1
 - 2. Nitrate6-2
 - 3. Manganese6-3
- C. Water Supply Reliability6-4

Table 6-1 Potential Supply Constraints
 Table 6-2 Groundwater Supply Reliability – Historic Conditions (AF/yr)
 Table 6-3 Groundwater Supply Reliability – Current Conditions (AF/yr)
 Table 6-4 Basis of Water Year Data
 Table 6-5 Projected Normal Year Supply and Demand Comparison
 Table 6-6 Projected Single Dry Year Supply and Demand Comparison
 Table 6-7 Projected Multiple Dry Years Supply and Demand Comparison
 Table 6-8 Supply Source Production Capacity

SECTION 7 WATER SHORTAGE CONTINGENCY PLANNING7-1

- A. Water Shortage Contingency Analysis7-1
 - 1. Water Shortage Response7-3
 - 2. Estimated Minimum Water Supply for the Next Three Years.....7-4
 - 3. Health and Safety Requirements.....7-5
 - 4. Stages of Action.....7-5
 - 5. Water Allotment Methods7-7
 - 6. Prohibitions, Penalties, and Consumption Reduction Methods7-9
 - 7. Reduction Measuring Mechanism7-12
 - 8. Analysis of Revenue Impacts of Reduced Sales During Shortages.....7-13

Table 7-1 Response Actions During a Catastrophe
 Table 7-2 Per Capita Health and Safety Water Quantity Calculations
 Table 7-3 Water Rationing Stages and Reduction Goals
 Table 7-4 Existing Storage Facilities
 Table 7-5 Consumption Reduction Methods



Table 7-6 Mandatory Prohibitions
 Table 7-7 Penalties and Charges
 Table 7-8 Actions and Conditions that Impact Revenues
 Table 7-9 Actions and Conditions that Impact Expenditures
 Table 7-10 Proposed Measures to Overcome Revenue Impacts
 Table 7-11 Proposed Measures to Overcome Expenditure Impacts

SECTION 8 DEMAND MANAGEMENT MEASURES 8-1
 A. Water Waste Prevention Ordinances 8-1
 B. Metering 8-2
 C. Conservation Pricing 8-2
 D. Public Education and Outreach 8-2
 E. Programs to Assess and Manage Distribution System Real Loss 8-2
 F. Other DMMs 8-2

FIGURES

Figure 1 Service Area
 Figure 2 Upper Santa Ana Valley Groundwater Basin

APPENDICES

Appendix A California Urban Water Management Planning Act and Applicable Sections of the California Water Conservation Act
 Appendix B • 60-Day Notice to Cities and Counties within which RCSD Provides Water Service and to Other Interested Parties
 • Public Hearing Notices
 • Public Comments on the Draft 2015 UWMP and Responses Thereto
 Appendix C Resolution Adopting the 2015 Urban Water Management Plan
 Appendix D Documentation of Submittal of Final 2015 UWMP
 Appendix E 2015 UWMP Checklist
 Appendix F 2015 UWMP Standardized Tables
 Appendix G Climate and Evapotranspiration Data
 Appendix H SB X7-7 Verification Form
 Appendix I RCSD Water Audit Report for Reporting Year 2015
 Appendix J • District Resolution No. 2015-820
 • No Waste Ordinance (Draft)
 • Resolution to Declare a Water Shortage Emergency (Draft)
 • Moratorium on New Connections During a Water Shortage (Draft)
 Appendix K Judgment Case No. 78426, April 17, 1969
 Appendix L Water Shortage Contingencies - Customer Allotments and Appeals Procedure
 Appendix M Population Tool Printout

SECTION 1

PLAN PREPARATION



SECTION 1
PLAN PREPARATION

A. COORDINATION

Water Code

10617. "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually...

10620. (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).
(d)(2) Each urban water supplier shall 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.

10621. (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).
(b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.
(d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

Rubidoux Community Services District (RCSD or the District) has prepared this 2015 Urban Water Management Plan (UWMP) in accordance with the Urban Water Management Planning Act (UWMP Act), as set forth in Part 2.6 of Division 6 of the California Water Code, and the Water Conservation Act of 2009 (also referred to as SB X7-7), as set forth in Part 2.55 of Division 6 of the California Water Code. Copies of these sections of the California Water Code (CWC) are included in **Appendix A** herein.

RCSD is a retail water supplier serving more than 3,000 water service connections and more than 3,000 acre-feet of water per year and therefore meets the definition of an urban water supplier pursuant to CWC Section 10617, cited above. As an urban water supplier, RCSD is required to



prepare an updated UWMP every five years in accordance with the UWMP Act, and to submit same to the California Department of Water Resources (DWR).

RCSD has actively encouraged community participation in its urban water management planning efforts since its first UWMP was developed in 1985, and public hearings were held on each of the District's UWMPs since 1985. On March 17, 2016, the District notified City of Jurupa Valley, City of Riverside, County of Riverside, County of San Bernardino, and other interested parties, in accordance with CWC Section 10621(b), that the District is reviewing its 2010 UWMP and preparing its 2015 UWMP. This 2015 UWMP supersedes the District's 2010 UWMP and fulfills the requirements of the UWMP Act and the Water Conservation Act of 2009, as cited above.

The District notified the public that it was preparing its 2015 UWMP by publishing a notice of public hearing in *The Press Enterprise* newspaper on July 20, 2016 and July 27, 2016, in accordance with CWC Section 10642 and California Government Code Section 6066. Notice of the public hearing was also posted on the District's website at <http://www.rcsd.org/public-notices.asp>. Approximately fifteen days prior to the public hearing, a copy of the draft UWMP was made available for public review at the District's office, located at 3590 Rubidoux Boulevard, Rubidoux, California 92509, during regular business hours and online at <http://www.rcsd.org/plans-documents.asp>. The District held a public hearing on its 2015 UWMP on August 4, 2016. After closing the public hearing, the District's Board of Directors adopted the 2015 UWMP.

Copies of documentation pertaining to the public review and notification process are included in **Appendix B** herein. All comments received prior to and during the public hearing were considered prior to the District's adoption of the final 2015 UWMP. Comments submitted and RCSD's responses thereto are included in **Appendix B**.

Table 1-1 summarizes the efforts RCSD has taken to include various agencies and citizens in its UWMP development process.



TABLE 1-1 COORDINATION WITH APPROPRIATE AGENCIES					
Entities	Commented on Draft	Attended Public Meeting	Sent 60-Day Notice	Sent Notice of Public Hearing ⁽²⁾	Sent Copy of Final UWMP
City of Riverside			✓	✓	✓
City of Jurupa Valley			✓	✓	✓
County of Riverside			✓	✓	✓
County of San Bernardino			✓	✓	✓
Jurupa Community Services District			✓	✓	✓
Western Municipal Water District			✓	✓	✓
West Valley Water District			✓	✓	✓
General Public ⁽¹⁾				✓	✓
California State Library					✓
California Department of Water Resources					✓

⁽¹⁾ Documents were made available to the public through notices published in the newspaper and copies of documents made available online and at the District's office for public review.

⁽²⁾ The notice of public hearing specified where to obtain a copy of the Draft 2015 UWMP, both in-person and online.



B. PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

<u>Water Code</u>	
10642.	Each urban water supplier shall encourage the 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. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon...
10643.	An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.
10644.	(a) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption.
10645.	Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

This 2015 UWMP was adopted by the District Board of Directors following a public hearing on **August 4, 2016** and submitted to the California Department of Water Resources (DWR) within 30 days following Board approval. A copy of the signed Resolution Adopting the 2015 UWMP is included in **Appendix C**.

Within 30 days of adoption by the Board, copies of the UWMP were also submitted to the California State Library, County of Riverside, County of San Bernardino, City of Riverside, City of Jurupa Valley, and other interested parties. Documentation of submittal of the Final 2015 UWMP is included in **Appendix D** herein.

This Final 2015 UWMP, and any amendments thereto, are available for public review during normal business hours at the District's office located at 3590 Rubidoux Boulevard, Jurupa Valley, CA 92509 and on the District's website at <http://www.rcsd.org/plans-documents.asp>.

A copy of the 2015 UWMP Checklist is included in **Appendix E** herein for DWR's use in reviewing this UWMP. Additionally, the tables included herein are specific to this UWMP, and the standardized tables required by DWR are included in **Appendix F** herein.



This 2015 UWMP will be implemented as set forth herein. Since UWMPs are due for revision every five years, this UWMP is projected to be in effect until year end 2020, at which time the District's 2020 UWMP is expected to be developed and adopted.

C. WATER MANAGEMENT TOOLS AND OPTIONS

Water Code

10620. (f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

The District has prepared this 2015 UWMP to facilitate effective and efficient management of water supplies, and in compliance with the Urban Water Management Planning Act and the Water Conservation Act of 2009 (copies of applicable sections of the CWC are included in **Appendix A**). This UWMP includes background information regarding groundwater supply and historic water use within the District's service area, as well as water management tools and options that will enable the District and area residents to maximize efficient use of available water resources, reduce per capita water use, and decrease the potential future need to import water from other regions.

SECTION 2
SYSTEM DESCRIPTION



SECTION 2 SYSTEM DESCRIPTION

Water Code

- 10631.** A plan shall be adopted in accordance with this chapter that shall do all of the following:
- (a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.

A. DISTRICT FORMATION AND PURPOSE

The District was organized in 1952 in accordance with the State of California Community Services District Law (Government Code Section 60000 *et seq*) for the purpose of providing certain public services including domestic water service. The District is empowered to manage water resources and to construct, operate, maintain, repair, and replace water system facilities as needed to provide water service in compliance with applicable standards and regulations. The District routinely constructs, maintains, and replaces facilities as necessary to maintain adequate, reliable, and safe water service to its customers.

B. SERVICE AREA DESCRIPTION

The District is a community services district (CSD), predominantly serving Riverside County, California, with approximately 120 acres in San Bernardino County. The District is located approximately 50 miles east of Los Angeles, and is bounded by San Bernardino County on the north, the Jurupa Mountains and Pedley Hills on the northwest, unincorporated areas of Jurupa on the west, the Santa Ana River on the south and the City of Riverside on the east. The District's current boundaries, which are shown in **Figure 1** herein, encompass an area of approximately 7.5 square miles. Ground surface elevations within the District's service area range from approximately 760 feet to 1,250 feet above sea level.



C. SERVICE AREA POPULATION

The District currently serves a population of approximately 33,441 people through approximately 6,250 service connections. Current and historical estimates for the District's service area population were obtained from DWR's online population tool, and copies of the data generated by the population tool are included in **Appendix M** herein. Population projections for years 2020 through 2040 are based on a linear analysis trend of the historical data.

Current estimated and future projected population within the District's service area are set forth in **Table 2-1**. As shown therein, the District's service area population is projected to increase from approximately 33,441 currently to approximately 45,110 by 2040.

TABLE 2-1 ESTIMATED CURRENT AND PROJECTED POPULATION						
RCSD	2015	2020	2025	2030	2035	2040
Total Service Area Population	33,441	35,211	37,686	40,160	42,635	45,110

D. SERVICE AREA CLIMATE

Climate in the District's service area is characterized by hot, dry summers and short, mild winters, with temperatures commonly exceeding 100 degrees Fahrenheit (°F) during summer months, and decreasing to an average temperature of approximately 49°F during the winter.

The area normally receives an average annual precipitation of approximately 10 inches, most of which occurs during December through March. Monthly average rainfall, maximum and minimum monthly average temperatures, and monthly average evapotranspiration rates (ET_o) within the District's service area are shown in **Table 2-2**. Copies of the downloaded data cited in **Table 2-2** are included in **Appendix G** herein.



TABLE 2-2 CLIMATE				
Month	Average Precipitation (inches) ⁽¹⁾	Average Maximum Temperature (°F) ⁽¹⁾	Average Minimum Temperature (°F) ⁽¹⁾	Standard Monthly Average ETo (inches) ⁽²⁾
Jan	2.01	66.8	39.1	2.54
Feb	2.20	68.3	41.1	2.89
Mar	1.84	71.3	43.2	4.36
Apr	0.77	75.6	46.7	5.42
May	0.23	80.0	51.1	6.19
Jun	0.05	87.0	54.8	6.79
Jul	0.04	94.2	59.5	7.36
Aug	0.13	94.4	59.6	7.10
Sep	0.19	90.9	56.2	5.52
Oct	0.44	82.9	50.0	3.98
Nov	0.84	74.5	42.8	2.88
Dec	1.46	67.8	39.2	2.38
Annual	10.20	79.5	48.6	57.41

⁽¹⁾ Average rainfall data and average temperature data were obtained from the Western Regional Climate Center website at <http://www.wrcc.dri.edu/> for the Riverside Fire Sta. 3 Station (047470) for the period of record 01/01/1893 to 06/05/2016.

⁽²⁾ ETo data was obtained from the California Irrigation Management Information System (CIMIS) website at <http://www.cimis.water.ca.gov/> for the UC Riverside Station (Station 44).

The Upper Santa Ana River Watershed consists of approximately 852 square miles within Riverside and San Bernardino Counties (approximately 32 percent of the total Santa Ana River Watershed area). Average annual precipitation within the watershed ranges from approximately 12 inches within the City of Riverside, to about 20 inches at the base of the San Bernardino Mountains, to about 35 inches at the crest of the mountains.

RCSD's groundwater supply is extracted from the Upper Santa Ana Valley Groundwater Basin which underlies the Upper Santa Ana River Watershed. RCSD's groundwater extractions are discussed further in **Sections 5.A** through **5.C** herein.



E. OTHER DEMOGRAPHIC FACTORS

The District's service area has been incorporated into the City of Jurupa Valley. Measure A, supported by 54.5 percent of the vote during a special election on March 8, 2011, incorporated the areas of Glen Avon, Mira Loma, Pedley, Jurupa, Jurupa Hills, Belltown, Sky Country, Indian Hills, Sunnyslope, and Rubidoux into Riverside County's 28th self-governed municipality. The incorporation of the City of Jurupa Valley became official on July 1, 2011.

The City of Jurupa Valley (City) encompasses 43.5 square miles, a population of approximately 88,000, and four water purveyors, Rubidoux Community Services District, Jurupa Community Services District, Santa Ana River Water Company, and Empire Water Corporation (non-potable water only). The City is bounded by the Santa Ana River on the south and east, the Riverside/San Bernardino County Line to the north, and Interstate 15 on the west.

RCSD's service area consists mainly of single family residential customers, but also includes commercial/industrial/institutional and landscape connections.

SECTION 3
BASELINES AND TARGETS



SECTION 3 BASELINES AND TARGETS

Water Code

- 10608.20. (e) An urban retail water supplier shall include in its urban water management plan due in 2010...the 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.
- (h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including:
- (A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.

With the adoption of the Water Conservation Act of 2009 (SB X7-7), RCSD was required to determine its base daily per capita water use and its urban water use targets within its 2010 UWMP to be met in 2015 and 2020 compliance years. In this 2015 UWMP, RCSD must demonstrate compliance with its interim urban water use target (2015 target) and whether it is currently on track to achieve its water use target (2020 target).

Additionally, CWC Section 10608.20(g) provides that an urban retail water supplier may update its 2020 water use target in its 2015 UWMP and may make this update using a different target method than was used in 2010. Since the District's 2010 UWMP cited data older than the 2010 census data, the District has elected to update its baseline, urban water use target, and interim urban water use target; therefore, the baseline, the urban water use target, and the interim urban water use target described herein differ from those set forth in the District's 2010 UWMP.

Compliance is described within this section and demonstrated in the SB X7-7 Verification Form that is required by DWR. A copy of the SB X7-7 Verification Form is included in **Appendix H**.



A. BASE DAILY PER CAPITA WATER USE (BASELINE)

Water Code
10608.12. (b) "Base daily per capita water use" means any of the following:
(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004 and no later than December 31, 2010.

Base daily per capita water use (also referred to herein as baseline) is defined in Water Code Section 10608.12(b)(1). The District's baseline was determined in accordance with methodologies developed by the California Department of Water Resources (DWR), pursuant to CWC Section 10608.20(h)(1), set forth in the document, *Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use*, dated October 1, 2010, referred to herein as DWR's *Methodologies*.

Pursuant to DWR's *Methodologies*, calculating baseline water use involves four steps:

1. Estimate service area population for each year in the base period.
2. Calculate gross water use for each year in the base period, and express gross water use in gallons per day (gpd).
3. Divide gross water use by service area population for each year in the base period to calculate daily per capita water use in gallons per capita per day (gpcd).
4. Calculate the average per capita water use by summing the values calculated in step 3 above and dividing by the number of years in the base period. The result is the baseline.

The District had selected the ten-year base period of January 1, 1999 through December 31, 2008 for its base period. The District's historic service area population was based on information provided by the Southern California Association of Governments (SCAG). The District's water use in acre-feet per year (AF/yr) is based on the District's water production records.

Using these data and methods, the District's baseline was determined to be 208 gpcd, calculated as shown in **Table 3-1**.



TABLE 3-1 BASE DAILY PER CAPITA WATER USE (BASELINE)				
Year	Estimated Service Area Population ⁽¹⁾	Gross Water Use		
		AF/yr ⁽²⁾	gpd	gpcd
	A	B	C (B x 43560 x 7.48/365)	D (C ÷ A)
1999	24,856	5,466	4,879,398	196
2000	25,367	5,631	5,026,690	198
2001	25,850	5,922	5,286,461	205
2002	26,340	6,733	6,010,426	228
2003	26,824	6,113	5,456,963	203
2004	27,305	6,595	5,887,235	216
2005	27,780	6,304	5,627,465	203
2006	28,251	6,841	6,106,835	216
2007	28,717	6,894	6,154,147	214
2008	29,179	6,511	5,812,250	199
Baseline (Average of Gross Water Use for 1999-2008)				208

(1) Historic population data is based on data obtained through DWR's online population tool.
 (2) Gross water use is based on District records of gross well production.

B. URBAN WATER USE TARGET

There are four available methods set forth in CWC Section 10608.20(b) for determining an urban water use target. The District selected Method 1 for determining its urban water use target.

Method 1 is set forth in CWC Section 10605.20(b)(1) and provides for an urban water use target of "eighty percent of the urban retail water supplier's baseline per capita daily water use". DWR's *Methodologies* defines an urban water use target as 80 percent of the base daily per capita water use by using the following equation:

$$\boxed{\text{Urban Water Use Target}} = \boxed{\text{Baseline}} - \boxed{20\%} \times \boxed{\text{Baseline}}$$

Twenty percent of the District's baseline of 208 gpcd is 42 gpcd (rounded from 41.6 gpcd.). Therefore, utilizing Method 1, the District's urban water use target is 166 gpcd.



C. MINIMUM WATER USE REDUCTION REQUIREMENT

Water Code
10608.22. Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use.

In accordance with DWR's *Methodologies*, a five-year baseline was calculated to determine whether the urban water use target meets the minimum water use reduction requirement pursuant to CWC Section 10608.22. These calculations result in numbers that differ from those included in the District's 2010 UWMP because the population numbers have been updated to reflect the numbers obtained through DWR's online population tool.

The following two steps were used to determine the minimum water use reduction requirement:

1. Calculate baseline water use using a continuous five-year period ending no earlier than December 31, 2007 and no later than December 31, 2010.
2. Multiply the result from the first step by 0.95. The 2020 urban water use target cannot exceed this value. If the urban water use target is greater than this value, reduce the target to this value.

The District selected the five-year base period of January 1, 2003 through December 31, 2007. The District's five-year baseline water use is calculated as shown in **Table 3-2**.



TABLE 3-2 FIVE-YEAR BASELINE WATER USE				
Year	Estimated Service Area Population ⁽¹⁾	Gross Water Use		
		AF/yr ⁽²⁾	gpd	gpcd
	A	B	C (B x 43560 x 7.48/365)	D (C ÷ A)
2003	26,824	6,113	5,456,963	203
2004	27,305	6,595	5,887,235	216
2005	27,780	6,304	5,627,465	203
2006	28,251	6,841	6,106,835	216
2007	28,717	6,894	6,154,147	214
Five-Year Baseline (Average of Gross Water Use for 2003-2007)				210

⁽¹⁾ Population is based on data received from SCAG, as described in the District's 2010 UWMP.

⁽²⁾ Gross water use is based on District records of gross well production

The calculation yielded a five-year baseline water use of 210 gpcd. In accordance with step 2 above, multiplying the five-year baseline by 0.95 yields a value of 200 gpcd.

Pursuant to CWC Section 10608.22, "...an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph (3) of subdivision (b) of Section 10608.12". Since the District's urban water use target of 166 gpcd is less than the 200 gpcd result described above, the District meets the minimum water use reduction requirement set forth in CWC Section 10608.22.

D. INTERIM URBAN WATER USE TARGET AND COMPLIANCE

Water Code

10608.12. (j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.

The interim urban water use target is defined in CWC Section 10608.12(j) and is the midpoint between an urban retail water supplier's baseline and its urban water use target for 2020. Urban retail water suppliers who meet their interim urban water use target by December 31, 2015 are generally considered to be on track to meet their urban water use target by December 31, 2020.

Based on the District's baseline of 208 gpcd and its urban water use target of 166 gpcd, the District's interim urban water use target is 187 gpcd.



As stated in **Section 3.A** herein, the District has updated its baseline, urban water use target, and interim urban water use target using current data. The current and previous baseline and targets are summarized in **Table 3-3** below.

TABLE 3-3 BASELINE AND TARGET SUMMARY				
	Baseline Period	Baseline (gpcd)	Interim Urban Water Use Target (gpcd)	Urban Water Use Target (gpcd)
2010 UWMP	1999-2008	227	204	182
2015 UWMP	1999-2008	208	187	166

As demonstrated in the completed SB X7-7 Verification Form, a copy of which is included in **Appendix H** herein, the District's water use was 181 gpcd for compliance year 2015; therefore, the District has met its interim water use target of 187 gpcd. The District is on track to meet its urban water use target of 166 in compliance year 2020.

SECTION 4
SYSTEM DEMANDS



SECTION 4
SYSTEM DEMANDS

A. PAST, CURRENT, AND PROJECTED WATER DEMANDS

Water Code

10631. A plan shall be adopted in accordance with this chapter and shall do all of the following:

(e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors including, but not necessarily limited to, all of the following uses:

- (A) Single-family residential.
- (B) Multifamily.
- (C) Commercial.
- (D) Industrial.
- (E) Institutional and governmental.
- (F) Landscape.
- (G) Sales to other agencies.
- (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.
- (I) Agricultural.
- (J) Distribution system water loss.

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

(3)(A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

Currently, the District's service area consists of approximately 33,441 residents, a small commercial/industrial/institutional sector, and a few landscape connections. About 76 percent of the water produced by the District is used by residential services. **Table 4-1** is arranged by customer type and shows current and projected numbers of customer connections and quantities of water delivered and projected to be delivered. **Table 4-2** lists quantities of water for uses other than deliveries to customers, and **Table 4-3** shows the District's total water use for 2015 (actual) through 2040 (projected) as the sum of **Tables 4-1 and 4-2**.



TABLE 4-1 CURRENT AND PROJECTED WATER DELIVERIES (AF/yr)				
Year ⁽¹⁾	Water Use Sectors	Residential ⁽²⁾	Commercial/ Industrial/ Institutional	Total
2015	# of Accounts	5,881	369	6,250
	Deliveries	3,151	995	4,146
2020	# of Accounts	5,937	372	6,309
	Deliveries	4,980	1,572	6,552
2025	# of Accounts	6,021	376	6,397
	Deliveries	5,329	1,683	7,012
2030	# of Accounts	6,237	391	6,628
	Deliveries	5,679	1,794	7,473
2035	# of Accounts	6,451	403	6,854
	Deliveries	6,029	1,904	7,933
2040	# of Accounts	6,493	406	6,899
	Deliveries	6,380	2,014	8,394

(1) Deliveries for 2015 are based on District records, and deliveries for 2020, 2025, 2030, 2035, and 2040 are based on projected population (refer to **Section 2.C** herein) multiplied by the District's urban water use target of 166 gpcd (refer to **Section 3.B** herein).

(2) Includes accounts and deliveries for lower-income households. See also **Section 3.F** herein.

TABLE 4-2 ADDITIONAL WATER USES AND LOSSES (AF/yr)						
Water Use	2015	2020	2025	2030	2035	2040
System Losses ⁽¹⁾	1,187	1,187	1,187	1,187	1,187	1,187
Transfers to Other Agencies ⁽²⁾	1,837	2,021	2,203	2,445	2,690	2,959
Landscape/Construction ⁽³⁾	631	637	643	649	655	662
Total	3,655	3,845	4,033	4,281	4,532	4,808

(1) Quantities of system losses are based on the water audit report for reporting year 2015 and are assumed to remain consistent over the next 25 years.

(2) Transfers to Other Agencies consist primarily of transfers to Jurupa Community Services District. The quantity shown for 2015 is based on District records, and projections are based on an estimated increase of approximately 1% during each five-year increment.

(3) Landscape/Construction water use includes non-potable water from Wells 11 and 19/20 that is used for landscape irrigation and construction use.

TABLE 4-3 CURRENT AND PROJECTED TOTAL WATER USE (AF/yr)						
Water Distributed	2015	2020	2025	2030	2035	2040
Sum of Tables 4-1 and 4-2	7,801	10,397	11,045	11,754	12,465	13,202



1. Residential Sector

The District's residential sector comprises single family and multi-family customers. The residential sector accounts for approximately 94 percent of the District's service connections and approximately 76 percent of the District's total water production. The residential sector grows slowly but steadily each year, and some growth is expected to continue over the next several years. Water efficiency improvements appear to be reducing residential water use, as evidenced by a decrease in water use from 2010 to 2015.

Numbers of accounts and quantities of water usage set forth in **Table 4-1** also include accounts and usage for residential housing units needed for lower-income households, as required by Water Code Section 10631.1. See **Section 4.B** for a discussion of water needed for lower-income housing units.

2. Commercial/Industrial Sector

The District has a complex mix of commercial customers, ranging from family restaurants, insurance offices, beauty shops, and gas stations to shopping centers and high-volume restaurants, as well as other facilities that serve the non-resident population. The commercial sector has grown steadily each year, and some growth is expected to continue to occur over the next several years.

The District serves a small industrial sector, including information technology, supply distribution, servicing of industrial equipment, and some light manufacturing. The industrial sector has not grown significantly in the last decade or so, and is not expected to increase significantly over the next 25 years.

The District's commercial and industrial water use is included in the Commercial/Industrial/Institutional category in **Table 4-1**.



3. Institutional/Governmental Sector

The District has a stable institutional/governmental sector, composed primarily of local government, parks, schools, and other types of public facilities. This sector is not expected to increase significantly over the next 25 years. The District's institutional/governmental water use is included in the Commercial/Industrial/Institutional category in **Table 4-1**.

4. Landscape Sector

Water use in this sector consists of non-potable water pumped by Wells 11 and 19/20. In addition to landscape irrigation use, non-potable water used for construction is also included in this category. Landscape customer demand is expected to increase gradually over the next 25 years, due primarily to continued growth. Increased efficiency and landscape conversions at existing parks and facilities should help offset new demand resulting from projected increases in this sector. Current and projected quantities of landscape and construction water use are included in **Table 4-2**.

5. Distribution System Water Losses

Distribution system water losses are the physical water losses from the water system that is "unaccounted for water", most likely due to leaks, but possibly also resulting from water theft. Fixing leaks or deterring theft can save water as a form of water conservation.

Beginning with the 2015 UWMP, water suppliers are required to complete and include the water audit reporting worksheet from the American Water Works Association (AWWA) Free Water Audit Software. The completed water audit reporting worksheet for the District for calendar year 2015 is included in **Appendix I** herein and contains data for the 2015 calendar year.

Beginning with the 2020 UWMP, water suppliers are required to include annual water audit data for the five years preceding the UWMP.



B. WATER SUPPLIES FOR LOWER-INCOME HOUSING

Water Code
10631.1 (a) The water use projections required by Section 10631 shall include projected water use for single family and multifamily residential housing needed for lower-income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

In accordance with Water Code Section 10631.1, this UWMP includes projected water use for residential housing needed for lower-income households. "Lower-income household" is defined in Health and Safety Code Section 50079.5 as persons and families whose income does not exceed the qualifying limits for lower-income families as established and amended from time to time pursuant to Section 8 of the United States Housing Act of 1937.

RCSD has a civic and legal responsibility to provide for the water-related health and safety of the community. Demand within RCSD's service area consists of residential, commercial/industrial/institutional, and irrigation uses. Residential water use projections herein include all households, regardless of income level, and residential accounts are not subdivided into income-specific categories.

RCSD does not give priority to one residential area over another; therefore, all residential customers are served equally during water shortage emergencies in terms of service and delivery. RCSD does not deny service to non-delinquent accounts. Water use priority does not differ based on income level but is classified by the type of use, which is further described in **Section 6** herein.



C. WATER USE REDUCTION PLAN

Water Code

10608.26. (a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

- (1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.
- (2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.
- (3) Adopt a method, pursuant to subdivision (b) of Section 10608.20, for determining its urban water use target.

The District is located within a semi-arid inland region that typically receives approximately 10 inches of rain annually. The District's location, in combination with the potential for groundwater overdraft (refer to **Section 5** herein), has prompted the District to implement numerous water conservation ordinances and rate structures over the years.

Ordinances and measures adopted by the District include Ordinance No. 111, which implements landscape conservation measures for compliance with the California Water Conservation Landscaping Act, and the District's Draft No-Waste Ordinance, Draft Resolution to Declare a Water Shortage Emergency, and New Connections During Water Shortage Moratorium (Draft). Copies of said District documents are included in **Appendix J** of this 2015 UWMP. These measures describe the District's authority to impose penalties for wasteful water use, declare water shortage emergencies, and ration water supply, as well as restrict the number of new connections put into service during a declared water shortage emergency.

To reduce per capita water use and meet its urban water use target, the District will continue implementing its current water conservation ordinances and rate structure, including those conservation measures described in **Section 8** of this UWMP. Methods to decrease water use within the District's service area will not place a disproportionate burden on any customer sector.

In accordance with CWC Section 10608.26(a)(3), and as described in **Section 3.B** herein, the District has adopted Method 1 for determining its urban water use target. The District held a public hearing on **August 4, 2016** to discuss the District's implementation plan for reaching its urban water use target and any economic impacts thereof, as well as to consider adoption of its 2015 UWMP.

SECTION 5
SYSTEM SUPPLIES



**SECTION 5
SYSTEM SUPPLIES**

A. WATER SUPPLY SOURCE

Water Code

10631. A plan shall be adopted in accordance with this chapter and shall do all of the following:

- (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a)...
- (c) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:
 - (A) An average water year.
 - (B) A single dry water year.
 - (C) Multiple dry water years.
- (2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

The sole source of potable water supply for the District and for all water users in the Rubidoux Community is groundwater extracted from the southern portion of the Riverside-Arlington Subbasin¹ (also referred to herein as the Riverside Basin) of the Upper Santa Ana Valley Groundwater Basin. The Basin encompasses the District's entire service area.

The District currently does not purchase or otherwise obtain water from a wholesale water supplier, and recycled water is not currently available to the District. The District expects that groundwater extracted from the Basin by six potable and six non-potable (irrigation only) groundwater wells will continue to be its primary (and possibly only) source of water through the year 2040, and possibly beyond.

¹ As set forth in the Groundwater Basin Maps and Descriptions section (2004) of DWR's *California's Groundwater Bulletin 118*, available on DWR's website at http://www.water.ca.gov/pubs/groundwater/bulletin_118/basindescriptions/8-2.03.pdf



B. GROUNDWATER BASIN

Water Code

10631. A plan shall be adopted in accordance with this chapter and shall do all of the following:

(b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:

(2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For those basins for which a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.

As stated in **Section 5.A**, the District extracts groundwater from the Riverside-Arlington Subbasin (also referred to herein as the Riverside Basin) as its source of water supply. *California's Groundwater Bulletin 118* (2003), prepared by DWR, contains supplemental information that is updated as it becomes available, and data for the Riverside-Arlington Subbasin was last updated in 2004. The Riverside Basin encompasses a surface area of 58,600 acres (92 square miles) within portions of Riverside and San Bernardino Counties. The Riverside Basin underlies part of the Santa Ana River Valley in northwestern Riverside County and southwestern San Bernardino County and is bounded by impermeable rocks of Box Springs Mountains on the southeast, Arlington Mountain on the south, La Sierra Heights and Mount Rubidoux on the northwest, and the Jurupa Mountains on the north. The Upper Santa Ana Valley Groundwater Basin and subbasins is shown in **Figure 2** herein.

The Upper Santa Ana Valley Groundwater Basin is adjudicated, as set forth in Judgment No. 78426 (also referred to herein as the Basin Judgment), a copy of which is included in **Appendix K** herein. According to Section IX(b) of the Basin Judgment, entered April 17, 1969, "over any five-year period, there may be extracted from such Basin Area, without replenishment obligation, an amount equal to five times such annual average for the Basin Area; provided,



however, that if extractions in any year exceed such average by more than 20 percent, Western [Western Municipal Water District] shall provide replenishment in the following year equal to the excess extractions over such 20 percent peaking allowance."

The Basin Judgment required the annual determination of extractions from the Riverside Basin and further required that Western replenish said basin if the annual extractions exceed the quantities allowed by the judgment. Replenishment has never been required previously, but if replenishment is ever required, the costs for such replenishment would potentially be allocable to the groundwater extractors, including RCSD.

In August 2015, DWR released a draft list of 21 groundwater basins and subbasins significantly overdrafted by "excessive" pumping in response to a series of executive orders issued by Governor Brown since January 2014. The Riverside-Arlington Subbasin was not included in this list. DWR published the final list in January 2016, with no changes to the designation of the Riverside-Arlington Subbasin.

C. GROUNDWATER SUPPLIES

Water Code

- 10631.** A plan shall be adopted in accordance with this chapter and shall do all of the following:
- (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:
 - (1) A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.
 - (3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
 - (4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.



The District's water supply consists exclusively of groundwater from the Riverside Basin that is extracted as needed. Although the District's supply is solely groundwater, the District does not have a groundwater management plan in place at this time. Groundwater management of the Riverside Basin is currently the responsibility of Western Municipal Water District (Western), San Bernardino Valley Municipal Water District (SBVMWD), and all groundwater extractors within the Basin, as described previously in Section 5.B.

Tables 5-1 and 5-2 include, respectively, the annual quantities of groundwater pumped by the District (potable and non-potable) during 2010 through 2015 and the quantities of groundwater projected to be pumped in 2020 through 2040, in five-year intervals.

TABLE 5-1 QUANTITIES OF GROUNDWATER PUMPED (AF/yr)						
Basin Name	2010	2011	2012	2013	2014	2015
Riverside Basin	6,527	6,600	6,786	6,757	7,063	7,801
Percent of Total Water Supply	100%	100%	100%	100%	100%	100%

TABLE 5-2 QUANTITIES OF GROUNDWATER PROJECTED TO BE PUMPED (AF/yr)					
Basin Name	2020	2025	2030	2035	2040
Riverside Basin	10,397	11,045	11,754	12,465	13,202
Percent of Total Water Supply	100%	100%	100%	100%	100%

The District anticipates a continued reliance on groundwater as its water source and has consistently made efforts to efficiently manage the valuable groundwater resources in the Riverside Basin.

D. TRANSFER OPPORTUNITIES

<u>Water Code</u>	
10631.	A plan shall be adopted in accordance with this chapter and shall do all of the following: (d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.



Current and future transfer opportunities available to the District include transfers to Jurupa Community Services District (JCSD). JCSD has been purchasing water from RCSD since 2000. The annual volumes purchased by JCSD are shown in **Table 5-3**, and projected future sales to JCSD are shown in **Table 5-4**. Sales to JCSD were excluded from the baseline and target calculations described in **Section 3** of this UWMP.

Negotiations regarding an interconnection in order for JCSD to receive additional water, up to a total of 4,500 gallons per minute (gpm), have been initiated between the two districts. Through this interconnection, RCSD could also receive water from JCSD during emergency or peak summer periods. The potential future interconnection would entail the construction and operation of a booster station, and 1,400 feet of 24 inch diameter and 300 feet of 16 inch diameter water pipelines. The District's current interconnection with JCSD includes facilities with an estimated capacity of approximately 500 gpm.

TABLE 5-3 PAST SALES TO OTHER AGENCIES		
Agency	Year	AF/yr
JCSD	2005	94
	2006	203
	2007	366
	2008	170
	2009	480
	2010	743
	2011	808
	2012	702
	2013	775
	2014	1,060
2015	1,837	

TABLE 5-4 PROJECTED SALES TO OTHER AGENCIES		
Agency	Year	AF/yr
JCSD	2020	2,201
	2025	2,203
	2030	2,445
	2035	2,690
	2040	2,959



The District may also temporarily connect an above-ground 800 gpm interconnection with Western located northerly of the District within San Bernardino County.

The District currently does not have interconnections with the City of Riverside, which is located on the opposite side of the Santa Ana River, southeasterly of the District. The District would need to construct additional conveyance facilities crossing the river for both itself and the City of Riverside in order to implement this connection; however, this alternative has been deemed cost prohibitive by the District.

E. FUTURE WATER SUPPLY PROJECTS

<u>Water Code</u>	
10631.	A plan shall be adopted in accordance with this chapter and shall do all of the following: (g) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use...

The Riverside-Corona Feeder (RCF) project has been developed by Western to capture and store water in the Bunker Hill Groundwater Basin in wet years in order to increase water supplies, reduce water costs, and improve water quality. The RCF project includes approximately 20 wells and 28 miles of pipeline capable of conveying up to approximately 40,000 AF/yr of groundwater.

The water conveyance pipeline will extend through western Riverside County from the Bunker Hill Groundwater Basin in San Bernardino County to the City of Corona, benefiting water consumers in western Riverside County, including the District. The proposed reach and connection point of the RCF that will serve the District will be located along Avalon Street at Mission Boulevard (*Riverside-Corona Feeder Project Draft EIR*, January 2011). The RCF will be constructed in phases as funding becomes available. Although the start date for construction is currently unknown, the U.S. Department of the Interior Bureau of Reclamation recently issued its Record of Decision for the Final Environmental Impact Statement for the project in December 2015. The project is expected to be completed within a ten year period, once initiated. Since the exact time of construction is not yet known, the District cannot currently project the quantity of water that will be available for the purposes of this UWMP.



There are no facilities currently available to convey State Water Project water to the District. The closest source of State Water Project water is Metropolitan's Mills Treatment Plant, which is located in the City of Riverside. In order to take deliveries therefrom, the District would have to construct a 44,000 foot long transmission pipeline crossing the Santa Ana River to convey water from the Mills Treatment Plant to the District boundary. In a September 1979 report prepared for Western entitled, *Distribution of State Project Water from the Mills Filtration Plant*, it was proposed that both RCSD and JCSD participate in construction of transmission facilities to convey State Water Project water from the Mills Treatment Plant to each entity; however, due to the length of the required transmission facilities, costs associated with this proposal would be substantial and difficult to justify.

Another alternative for the District to receive imported water would be for the District to enter into an agreement with the City of Riverside to exchange treated State Water Project water purchased from Western for groundwater extracted by the City of Riverside; however, negotiations to enter such an agreement have not been initiated. In order to accomplish an exchange, the District would have to construct facilities to convey additional treated State Water Project water to the City of Riverside, and to convey exchanged City of Riverside water to the District. It has been determined by the District, however, that this alternative is not cost effective.

F. DESALINATED WATER OPPORTUNITIES

<u>Water Code</u>	
10631.	A plan shall be adopted in accordance with this chapter and shall do all of the following: (h) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long term supply.

RCSD does not have access to ocean water or a significant quantity of brackish groundwater; therefore, there are no desalinated water opportunities currently available to the District.



G. WASTEWATER SYSTEM DESCRIPTION AND OPPORTUNITIES FOR RECYCLED WATER USE

Water Code

- 10633.** The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:
- (a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.
 - (b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.
 - (c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.
 - (d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.
 - (e) 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 pursuant to this subdivision.
 - (f) A description of actions, including financial incentives, 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.
 - (g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

1. Wastewater Treatment

Pursuant to an agreement with the City of Riverside, dated December 1, 1976 to provide advanced wastewater treatment, and a subsequent agreement with the City of Riverside, dated May 4, 1978, to provide primary and secondary wastewater treatment, the District has discontinued treatment of the wastewater it collects from within its service area. All wastewater collected by the District is conveyed through regional wastewater conveyance facilities (trunk sewer, lift station, and force main) to the City of Riverside Regional Water Quality Control Plant (RWQCP). Since the facility is located downgradient of the



District and on the opposite side of the Santa Ana River, it is not currently possible to purvey reclaimed, or recycled, water within the District boundary. Construction of conveyance facilities to convey the reclaimed water back to RCSD's service area has been determined to be cost prohibitive.

The District is responsible for the collection and conveyance of wastewater generated within a majority of the District's service area. All wastewater collected is conveyed through wastewater conveyance facilities (trunk sewer, lift station, and force main) to the RWQCP, which is located on Acorn Street in the City of Riverside.

The current capacity of the RWQCP is 40 million gallons per day (approximately 123 acre-feet per day). The City is currently in the early planning stages for construction of additions to the plant. Quantities of wastewater collected and conveyed by RCSD to the RWQCP are set forth in **Table 5-5**, and quantities projected to be conveyed by RCSD and treated by the City of Riverside over the next 25 years are set forth in **Table 5-6**.

TABLE 5-5 QUANTITIES OF RCSD WASTEWATER TREATED AT RWQCP (AF/yr)					
2010	2011	2012	2013	2014	2015
2,231	2,224	2,196	2,202	2,234	2,212

TABLE 5-6 PROJECTED QUANTITIES OF RCSD WASTEWATER REQUIRING TREATMENT AND DISPOSAL (AF/yr)					
	2020	2025	2030	2035	2040
Total	2,290	2,310	2,320	2,330	2,350

NOTES: All treatment plant effluent is treated to be used for irrigation or is discharged to the Santa Ana River. Projected quantities of wastewater are based on 32% of water production, which is the average of wastewater quantities as a percentage of total production for years 2010-2015.

2. Recycled Water Use

a. Recycled Water Currently Being Used

Recycled water is currently unavailable in RCSD's service area as described in **Section 5.G.1** herein.



b. Potential and Projected Uses of Recycled Water

The list of types of uses for which recycled water is approved within California is continuing to grow as the value of wastewater reclamation is being more widely recognized as a reliable water resource. The State Water Resources Control Board (SWRCB) is responsible for Title 22 of the California Code of Regulations, which establishes water recycling criteria and allowable uses.

The bulk of potential uses fall into landscape irrigation such as medians, freeway landscape, schools, cemeteries, and parks. Equestrian properties may also have a potential use for recycled water. It is difficult to quantify potential uses of recycled water in the area due to the seasonal variations in supply.

Many agencies throughout the state of California have been looking for new areas in which to beneficially use recycled water. Historically, both the regulatory agencies and the agencies operating recycled water systems have addressed controlled irrigation use as the primary use for recycled water. More recently, both have recognized the safety and benefit of industrial uses such as process water and buildings, and widened irrigation uses such as flushing of toilets in commercial buildings, and widened irrigation uses such as for raw edible food crops, and landscape irrigation under individual homeowner control.

Since the City of Riverside Water Quality Control Plant is downstream of the District and on the opposite side of the Santa Ana River, it is not currently possible to purvey recycled water within the District's boundary. The availability of recycled water in RCSD's service area is not anticipated over the next 25 years; therefore, no potential uses of recycled water in RCSD's service area are discussed in this UWMP.



c. Encouraging Recycled Water Use

The availability of recycled water in RCSD's service area is not anticipated over the next 25 years; therefore, the use of recycled water is not currently being encouraged in RCSD's service area.

3. Recycled Water Optimization Plan

As described previously, the availability of recycled water in RCSD's service area is not anticipated over the next 25 years; therefore, RCSD has not included a Recycled Water Optimization Plan in this UWMP.

SECTION 6
WATER SUPPLY RELIABILITY



**SECTION 6
WATER SUPPLY RELIABILITY**

A. SUPPLY CONSTRAINTS

There are potential constraints on RCSD's water supply from a range of causes. **Table 6-1** identifies those potential constraints for each water source described.

TABLE 6-1 POTENTIAL SUPPLY CONSTRAINTS					
Source Type	Source Name	Legal	Environmental	Water Quality	Climatic
Groundwater	Riverside Basin	X			

Since the Riverside Basin is adjudicated, there are some constraints on annual extractions that would have financial implications. As described in **Section 5** herein, groundwater replenishment will be required if the annual extractions exceed the amount allowed by the basin adjudication. The costs of imported water for replenishment would be allocable to pumpers within the basin. To date, replenishment has not been required.

Water quality issues, such as high TDS concentrations, do exist within the Riverside Basin; however, they do not constrain quantities of water supplies available to the District. The following section describes the water quality issues and management implemented by RCSD.

B. WATER QUALITY

Water Code

10634. The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

1. General

The Riverside Basin has moderately high concentrations of total dissolved solids (TDS). As reported in the District's Consumer Confidence Reports published over the past five



years (2011-2015), TDS concentrations in the water supply delivered to customers have averaged 485 milligrams per liter (mg/L) with a range of detection from 380 mg/L to 550 mg/L. TDS concentrations present within the District's water supply are generally lower than the recommended Secondary Maximum Contaminant Level (MCL) of 500 mg/L, as set forth in Section 64449 of Title 22 of the California Code of Regulations.

Certain areas within the Riverside Basin are characterized by concentrations of several inorganic constituents that have, in some cases, exceeded state MCLs. The District is currently treating for two of these, namely nitrate (NO_3) and manganese (Mn), at several of its wells.

Although some District wells have increasing concentrations of nitrate or manganese, water produced by these wells is treated as necessary and then blended prior to entering the system so that only water meeting all state and federal water quality standards is distributed to the District's customers. There are no foreseeable changes in supply reliability due to water quality.

The past and current water quality conditions regarding nitrate and manganese are described in the following paragraphs.

2. Nitrate

In the past the District observed increasing nitrate concentrations in some of the wells within its service area. California's primary Maximum Contaminant Level (MCL) for Nitrate is 45 milligrams per liter (mg/L), or parts per million (ppm). Beginning January 2016, water suppliers must monitor their water supply for nitrate as nitrogen ($\text{NO}_3\text{-N}$) instead of nitrate (NO_3). California's primary MCL for $\text{NO}_3\text{-N}$ is 10 ppm.

The District removed wells 3 and 4 from active service because both were producing water containing nitrate concentrations that exceeded the MCL. Both wells are located in the northerly portion of the District, northerly of Highway 60. Well 3 is now used for construction water only. In late 1995, the 3,000 gpm Anita B. Smith Water Treatment Facility was constructed to reduce the nitrate concentration of water produced by Wells 4 and 6.



Well 2 produces water exceeding the nitrate MCLs cited above. Water from Well 2 is blended with water from either Well 17 or Well 18 (these wells are located on the same parcel and do not operate simultaneously) prior to being introduced into the distribution system. Well 2 can only operate if either Well 17 or Well 18 is in operation.

In the District's Consumer Confidence Report for water produced during calendar year 2015, RCSD reported that the average concentration of nitrate in the community's drinking water was 5.7 ppm, ranging between 2.2 and 10.4 ppm.

3. Manganese

Water produced by District Wells 1 and 5 contained manganese in excess of California's secondary MCL of 50 parts per billion (ppb). Therefore, in 1996, the District constructed the 500 gpm LaVerne J. Mahnke Manganese Treatment Facility (Mahnke Plant) to treat water from Wells 1 and 5. Well 1 was destroyed in 2002, and Well 5 is currently on standby. In 2003, the manganese treatment facility was expanded to its current capacity of 3,000 gpm. The manganese treatment facility currently treats water produced by Well 8, which produces water with manganese concentrations approaching the MCL.

In 2013, the District constructed the Leland J. Thompson Manganese Treatment Facility (Thompson Plant), which became operable in April 2013. Water treated at the Thompson Plant is supplied by Wells 17 and 18, which produce water in excess of the manganese MCL. Water treated by both the Mahnke Plant and the Thompson Plant is blended with water produced by Well 2 to produce blended water with manganese concentrations less than the MCL.

Manganese was not reported in the District's Consumer Confidence Report for calendar year 2015 because the average concentration of manganese in the community's drinking water (water that entered the District's distribution system) was undetectable due to the treatment processes implemented by the District.



C. WATER SUPPLY RELIABILITY

Water Code

10631. A plan shall be adopted in accordance with this chapter that shall do all of the following:

- (c) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:
 - (A) An average water year.
 - (B) A single-dry water year.
 - (C) Multiple-dry water years.
- (2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

10635. (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

Factors that can cause water supply shortages are earthquakes, chemical spills, and energy outages at treatment and pumping facilities. RCS D includes the probability of catastrophic outages when using the reliability planning approach in **Section 7**.

Reliability planning requires information about: (1) the expected frequency and severity of water shortages; (2) how additional water management measures are likely to affect the frequency and severity of water shortages; and (3) how available contingency measures can reduce the impact of water shortages when they occur.

The District does not have an immediate concern with water supply reliability. Because the District's water supply is groundwater, which has historically not been impacted by seasonal or year-to-year climatic change, the District is not subject to short-term water shortages resulting from temporary dry weather conditions.



RCSD's goal is to provide its customers with adequate and reliable supplies of high-quality water, which meet present and future needs in an environmentally and economically responsible manner. The District's estimated water supply reliability during a single dry water year and during multiple dry water years is described in **Tables 6-2 and 6-3**. The basis of the water year data is indicated in **Table 6-4**.

The estimated potable water supply of 14,000 AF/yr shown in **Tables 6-2 and 6-3** is based on the maximum quantity of water that the District is capable of producing if all existing wells operate continuously for 24 hours per day. The District has not experienced an actual supply deficiency during dry years and supply and demand remain relatively unchanged in the District's service area during dry years. Comparisons of the District's anticipated supply and demand during different types of water years, through 2040, are shown in **Tables 6-5, 6-6, and 6-7**.

TABLE 6-2 GROUNDWATER SUPPLY RELIABILITY – HISTORIC CONDITIONS (AF/yr)					
Riverside Basin	Normal Water Year (2010)	Single Dry Water Year (1977)	Multiple Dry Water Years		
			2013	2014	2015
Potable Water Wells	14,000	14,000	14,000	14,000	14,000
Non-Potable Water Wells	3,000	3,000	3,000	3,000	3,000
Total Supply	17,000	17,000	17,000	17,000	17,000
Percent of Normal	---	100%	100%	100%	100%

TABLE 6-3 GROUNDWATER SUPPLY RELIABILITY – CURRENT CONDITIONS (AF/yr)				
Riverside Basin	Average/Normal Water Year Supply	Multiple Dry Water Years		
		2016	2017	2018
Potable Water Wells	14,000	14,000	14,000	14,000
Non-Potable Water Wells	3,000	3,000	3,000	3,000
Total	17,000	17,000	17,000	17,000
Percent of Normal	100%	100%	100%	100%

TABLE 6-4 BASIS OF WATER YEAR DATA	
Water Year Type	Base Year(s)
Normal Water Year	2010
Single-Dry Water Year	1977
Multiple-Dry Water Years	2013-2015



TABLE 6-5 PROJECTED NORMAL YEAR SUPPLY AND DEMAND COMPARISON					
	2020	2025	2030	2035	2040
Supply totals (AF/yr)	17,000	17,000	17,000	17,000	17,000
Demand totals (AF/yr)	10,397	11,045	11,754	12,465	13,202
Difference (supply minus demand, in AF/yr)	6,603	5,955	5,246	4,535	3,798
Difference as % of Supply	39%	35%	31%	27%	22%
Difference as % of Demand	64%	54%	45%	36%	29%

TABLE 6-6 PROJECTED SINGLE DRY YEAR SUPPLY AND DEMAND COMPARISON					
	2020	2025	2030	2035	2040
Supply totals (AF/yr)	17,000	17,000	17,000	17,000	17,000
Demand totals (AF/yr)	10,397	11,045	11,754	12,465	13,202
Difference (supply minus demand, in AF/yr)	6,603	5,955	5,246	4,535	3,798
Difference as % of Supply	39%	35%	31%	27%	22%
Difference as % of Demand	64%	54%	45%	36%	29%

TABLE 6-7 PROJECTED MULTIPLE DRY YEARS SUPPLY AND DEMAND COMPARISON					
	2020	2025	2030	2035	2040
Supply totals (AF/yr)	17,000	17,000	17,000	17,000	17,000
Demand totals (AF/yr)	10,397	11,045	11,754	12,465	13,202
Difference (supply minus demand, in AF/yr)	6,603	5,955	5,246	4,535	3,798
Difference as % of Supply	39%	35%	31%	27%	22%
Difference as % of Demand	64%	54%	45%	36%	29%

In the foreseeable future, the District will continue to be reliant on local groundwater supplies. The District will develop additional groundwater extraction and groundwater treatment facilities as needed to ensure a continuous and adequate water supply for its service area.

The District's emergency interconnections with JCSD and Western would provide lifeline water service in the event of a catastrophic outage. See **Section 7.A**, Water Shortage Contingency Analysis, for a description of measures the District will take in the event of a water supply interruption.

Since the District relies exclusively on groundwater as its source of supply, and is therefore not subject to short-term shortages caused by periodic drought, the following projections focus on



equipment failure and disaster. **Table 6-8** shows the production capability for each of the District's production wells.

TABLE 6-8 SUPPLY SOURCE PRODUCTION CAPACITY	
Well No.	Production Capacity (gpm)
Potable Wells	
2	900
4	1,100
6	2,000
8	1,700
17	1,500
18	1,500
Potable Well Total	8,700
Non-Potable Wells	
3	400
7	250
11	540
14	500
19/20	150
Non-Potable Total	1,840
TOTAL	10,540

The District's current pumping plant capacity is capable of providing for the current maximum day demand of 10,550 gpm.

If, during a period of peak demand, one pumping plant was out of service, the District may rely upon water supplied from the emergency interconnections with JCSD and Western to make up the pumping shortfall (there is some emergency supply in storage).

As discussed in **Section 5.D**, the District has interconnection agreements with JCSD and Western to ensure that an adequate supply of water is available should any of its supply facilities fail.

The District keeps one motor of each size (75 hp, 100 hp, 150 hp, etc.) on hand for use at any of its pumping plants and has historically been able to return pumping plants to service within several days unless a pump requires removal and manufacturer's maintenance, which can take up to 3 to 4 weeks. Further, the District has adequate backup power (generators) at each of its nitrate



and manganese removal facilities and at Wells 2 and 8 to provide emergency water service (indoor domestic use only) to its customers in the event of a widespread power failure. The District has one extra portable generator that can be used at any of its non-potable water wells if needed. The non-potable wells do not have backup power onsite.

RCSD does not anticipate any inconsistency in supply due to legal, environmental, water quality, or climate factors.

SECTION 7

**WATER SHORTAGE
CONTINGENCY PLANNING**



**SECTION 7
WATER SHORTAGE CONTINGENCY PLANNING**

A. WATER SHORTAGE CONTINGENCY ANALYSIS

Water Code

- 10632.** (a) The plan shall provide an urban water shortage contingency analysis which includes each of the following elements that are within the authority of the urban water supplier:
- (1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.
 - (2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.
 - (3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.
 - (4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.
 - (5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.
 - (6) Penalties or charges for excessive use, where applicable.
 - (7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.
 - (8) A draft water shortage contingency resolution or ordinance.
 - (9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

Water shortage contingency planning is a tool used by water suppliers to respond to water shortages. On June 18, 2015, pursuant to the water shortage contingency plan, and in response to a series of drought-related executive orders issued by Governor Brown, the District's Board of Directors adopted Resolution No. 2015-820 declaring a Stage 2 water shortage.



Resolution No. 2015-820 is intended to implement measures in compliance with the provisions of emergency regulations that were adopted by the State Water Resources Control Board (SWRCB) in response to the declared drought state of emergency that was declared by Governor Brown on January 17, 2014 and the ongoing drought conditions in California.

Resolution No. 2015-820 declares active a Stage 2 water shortage contingency, during which the following actions are prohibited except where necessary to address an immediate health and safety need or a term or condition in a permit issued by a state or federal agency:

- Outdoor watering of ornamental landscapes or turf between the hours of 10:00 AM and 6:00 PM;
- Outdoor watering of ornamental landscapes or turf on more than two days per week;
- Outdoor watering of ornamental landscapes or turf for more than 30 minutes per station for drip irrigation systems, and 20 minutes per station for stream irrigation systems;
- Outdoor watering of ornamental landscapes or turfs during or within 48 hours after measurable rainfall;
- Watering of outdoor landscapes that cause runoff such that water flows onto adjacent property, non-irrigated areas, private or public walkways, roadways, parking lots, or structures;
- Using hoses that dispense potable water, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use;
- Using potable water in a fountain or decorative water feature, unless the water is recirculated;
- Draining or refilling swimming pools (maintaining water level is acceptable) without the written approval of the District's General Manager;
- Not covering a swimming pool when not in use;
- Swimming pool construction without the written approval of the District's General Manager;



- Serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drinks are served and/or purchased; and
- Washing of driveways and sidewalks.

The taking of action listed above is an infraction punishable by fine of up to five hundred dollars for each day in which the violation occurs.

The District's implemented water shortage contingency plan is discussed in detail in the subsections that follow.

1. Water Shortage Response

The District relies exclusively on groundwater as its source of supply, and periodic drought has not affected the groundwater levels to the point where the District's water supply is threatened. Therefore, this Water Shortage Contingency Analysis focuses on water supply interruption resulting from equipment failure, disaster, and existing or future legislation mandates.

The District has a civic and legal responsibility to provide for the water-related health and safety needs of the community. In order to minimize the social and economic impact of water shortages, the District will prudently manage water supplies. The Water Shortage Contingency Plan is designed to provide for a minimum of 50 percent of normal supply during a severe or extended water shortage. The rationing program outlined below ensures that these policy elements are implemented.

Rationing stages may be triggered by a shortage in aquifer supply, equipment failure, or catastrophe. Because the stages overlap, the triggers will automatically implement the more restrictive stage, unless the District's Board of Directors decides to implement the less restrictive stage. Shortages may trigger a stage at any time.

The District has developed a four stage plan for implementing conservation measures including voluntary and mandatory water conservation actions and stages. Water conservation levels and water allotments for each stage are described in the Water



Shortage Contingency Plan and describe the actions RCSD will take during a water supply catastrophe. **Table 7-1** summarizes the actions the District is prepared to take in the event of a water supply interruption. **Section 7.A.4** describes additional actions that will be taken during a water supply emergency.

In the event of a water shortage emergency resulting from equipment failure, power outage, or other catastrophes, the District is prepared to purchase emergency water supplies from both JCSD and WMWD over the time required to affect appropriate repairs or other needed remediation.

TABLE 7-1 RESPONSE ACTIONS DURING A CATASTROPHE	
Possible Catastrophe	Summary of Actions
<ul style="list-style-type: none"> • Power Outage • Earthquake • Any Natural Disaster 	<ul style="list-style-type: none"> • Determine water shortage condition • Emergency power generation • Establish communication with emergency response personnel • Contact and coordinate with other agencies • Appoint an emergency response team/coordinator • Implement Emergency Response Plan for managing manpower, operations, and equipment • Communicate with the public • Implement rationing as necessary in accordance with Table 7-3

The District has equipped a few of its wells and its water treatment plants with emergency standby generators, powered by diesel fuel, for use in the event of a regional power outage. Most of the District's standby generators are portable, allowing for flexibility in accommodating a regional power outage.

2. Estimated Minimum Water Supply for the Next Three Years

As described in **Section 6.C** of this UWMP, the District's estimated minimum water supply of 17,000 AF/yr for each of the next three water years (2016-2018) is based upon the local area's driest 3-year historic sequence (2013-2015) and is the maximum quantity of water that the District expects to be able to supply to its customers.



3. Health and Safety Requirements

Based on commonly accepted estimates of interior residential water use in the United States, **Table 7-2** indicates per capita health and safety water requirements. In Stage 1 and Stage 2 shortages, customers may adjust either interior or exterior water use (or both) in order to meet the voluntary water reduction goal.

TABLE 7-2 PER CAPITA HEALTH AND SAFETY WATER QUANTITY CALCULATIONS						
Non-Conserving Fixtures	Habit		Habit Changes ⁽¹⁾		Conserving Fixtures ⁽²⁾	
Toilets	5 flushes x 5.5 gpf	27.5	3 flushes x 5.5 gpf	16.5	5 flushes x 1.6 gpf	8.0
Shower	5 min x 4.0 gpm	20.0	4 min x 3.0 gpm	12.0	5 min x 2.0 gpm	10.0
Washer	12.5 gpcd	12.5	11.5 gpcd	11.5	11.5 gpcd	11.5
Kitchen	4 gpcd	4.0	4 gpcd	4.0	4 gpcd	4.0
Other	4 gpcd	4.0	4 gpcd	4.0	4 gpcd	4.0
Total (gpcd)		68.0		48.0		37.5
HCF per capita per year		33.0		23.0		18.0

⁽¹⁾ Reduced shower use results from shorter and reduced flow. Reduced washer use results from fuller loads.
⁽²⁾ Fixtures include ULF 1.6 gallons per flush (gpf) toilets, 2.0 gpm showerheads, and efficient clothes washers.

4. Stages of Action

a. Rationing Stages and Reduction Goals

The District has developed a four-stage rationing plan, summarized in **Table 7-3** herein, to invoke during declared water shortages. The rationing plan includes voluntary and mandatory rationing, which will be required depending on the causes, severity, and anticipated duration of the water supply shortage. When mandatory water rationing is being implemented during a declared water shortage, customers who exceed their established water use allotment will incur penalties consisting of surcharges, as described in **Section 7.A.6** herein.



Rationing stages may be triggered by a shortage in aquifer supply, equipment failure, or catastrophe. Because the stages overlap, the triggers will automatically implement the more restrictive stage, unless the District's Board of Directors decides to implement the less restrictive stage. Shortages may trigger a stage at any time.

TABLE 7-3 WATER RATIONING STAGES AND REDUCTION GOALS			
Stage	Shortage Condition	Customer Reduction Goal	Type of Rationing Program
1	25 - 40%	15%	Voluntary
2	40 - 50%	25%	Voluntary
3	50 - 60%	30%	Mandatory
4	60%+	40%	Mandatory

Under Stage 3 and Stage 4 mandatory rationing programs, the District has established a health and safety allotment of 68 gpcd (refer to **Table 7-2**), equivalent to 33 ccf per person per year, because that amount of water is sufficient for essential interior water with no habit or plumbing fixture changes. If customers wish to change water habits or plumbing fixtures, 68 gpcd is sufficient to provide for limited non-essential (e.g. outdoor) water uses.

Stage 4 mandatory rationing, which is likely to be declared only as the result of a prolonged water shortage or as a result of a disaster, would require that customers make changes in their interior water use habits (for instance, not flushing toilets unless "necessary" or taking less frequent showers).

b. Priorities by Use

The District's priorities for use of available water during a water shortage are, in order of priority, as follows:

1. Fire protection, health, and welfare emergency uses
2. Domestic – interior uses only (residential)



- 3. Public buildings, schools – interior uses only
- 4. Commercial and industrial – interior uses only
- 5. Commercial and industrial – other uses (not including landscape watering or nonessential uses)
- 6. Domestic – other uses (including exterior residential use)

5. Water Allotment Methods

The District has established the following allocation method for each customer type. The specific levels are defined in the District's Water Shortage Contingencies Customer Allotments and Appeals Procedure, included in **Appendix L** herein.

Single Family: Hybrid of per-capita and percentage reduction. In mandatory stages (Stages 3 and 4), the health and safety allotments are determined on a per capita basis; in the less restrictive voluntary stages (Stages 1 and 2), a percentage reduction is requested from each service.

Multi-Family: Hybrid of per-capita and percentage reduction.

Commercial/
Industrial/Institutional: Percentage reduction.

Landscaping: Percentage reduction.

New Demand: Hybrid of per-capita and percentage reduction, or percentage reduction, depending on type of service.

Individual customer allotments will be based on a five-year base period. This gives the District a more accurate view of the usual water needs of each customer and provides additional flexibility in determining allotments and reviewing appeals. However, no allotment will be greater than the amount used in the most recent year of the five-year base period.



The District's General Manager will classify each customer and calculate each customer's allotment according to the methods described herein. The allotments will reflect seasonal patterns, and customers will be notified of their classifications and allotments by mail before the effective date of the declared water shortage emergency. New customers and connections will be notified at the time service commences. In a disaster, prior notice of allotment may not be possible. In this case, notice will be provided by other means, such as radio, television, or newspaper. Any customer may appeal the General Manager's classification on the basis of use or the allotment on the basis of incorrect calculation; the appeals process is set forth in the Draft Moratorium on New Connections During a Water Shortage, which is included in **Appendix J** herein.

If, during a period of peak demand, one pumping plant were out of service, the District may rely upon reserve capacity (see **Table 7-4**) to meet demand until the downed pumping plant is back in service. The District also has the option of utilizing emergency interconnections with JCSD and WMWD. The interconnection with WMWD is not an active connection but the ability to make an emergency connection to WMWD's distribution system is available.

TABLE 7-4 EXISTING STORAGE FACILITIES			
No.	Total Volume (gallons)	Number of Storage Tanks	Name
1	2,000,000	1	Atkinson Reservoir
2	3,000,000	1	Tom Watson Reservoir
3	400,000	1	Hunter No. 1 Reservoir
4	1,000,000	1	Tony Perrone Reservoir

As discussed previously, the District has interconnection agreements with JCSD and Western to ensure that an adequate supply of water is available should any of its supply facilities fail. The District has adequate backup power (generators) at each of its nitrate and manganese removal facilities and at Wells 2 and 8 to provide emergency water service (indoor domestic use only) to its customers in the event of a widespread power failure. The District has one extra portable generator that can be used at any of the non-potable water wells if needed. The irrigation wells do not have backup power onsite.



6. Prohibitions, Penalties, and Consumption Reduction Methods

a. Mandatory Prohibitions on Water Wasting

The District prohibits consumers from permitting leaks or waste of water. To further clarify this prohibition, the District has prepared a No Waste Ordinance (Draft), a copy of which is included in **Appendix J** herein. The No Waste Ordinance (Draft) includes prohibitions on various wasteful water uses such as lawn watering during mid-day hours, washing sidewalks and driveways with potable water, and allowing plumbing leaks to go uncorrected more than 24 hours after customer notification. District Resolution No. 657 directs contractors to use non-potable water for construction purposes.

Table 7-5 lists examples of consumption reduction measures, as well as the water supply shortage stage when the method takes effect. **Table 7-6** lists mandatory prohibitions on water use, and when each prohibition takes effect.

TABLE 7-5 CONSUMPTION REDUCTION METHODS	
Consumption Reduction Method	Stage When Method Takes Effect
Demand Reduction Program	All Stages
Reduce pressure in water lines	4
Flow restriction	4
Restrict building permits	2, 3, 4
Restrict for only priority uses	4
Use prohibitions	All Stages
Water shortage pricing	All Stages
Per capita allotment by customer type	4
Plumbing fixture replacement	All Stages
Voluntary rationing	1, 2
Mandatory rationing	3, 4
Incentives to reduce water consumption	1, 2
Education Program	All Stages
Percentage reduction by customer type	2, 3, 4
Use non-potable water for construction purposes	All Stages



TABLE 7-6 MANDATORY PROHIBITIONS	
Prohibitions	Stage When Prohibition Becomes Mandatory
Use of potable water to irrigate turf, ground-cover, shrubbery, crops, vegetation, and trees (agricultural accounts are excluded from the time of restriction) between the hours of 10:00 AM and 6:00 PM, or in such a manner as to result in runoff for more than five (5) minutes.	At all times
Use of potable water to wash sidewalks, walkways, driveways, parking lots, open ground, or other hard-surfaced areas.	At all times
Allowing potable water to escape from breaks within the customer's plumbing system for more than twenty-four (24) hours after the customer is notified or discovers the break.	At all times
Washing cars, boats, trailers, aircraft, or other vehicles by hose without a shutoff nozzle and bucket, except to wash such vehicles at commercial or fleet vehicle washing facilities.	At all times
Use of potable water to clean, fill, or maintain decorative fountains, lakes, or ponds, unless such water is recycled.	At all times
No restaurant, hotel, café, cafeteria or other public place where food is sold, served, or offered for sale, shall serve drinking water to any customer unless expressly requested.	During a declared water shortage emergency
Use of potable water for street or parking lot sweeping or for building washdown where non-potable or recycled water is sufficient.	During a declared water shortage emergency
Use of potable water for sewer system maintenance or fire protection training without prior approval by the General Manager.	During a declared water shortage emergency
Use of potable water for any purpose in excess of the amounts allocated for each class of service	During a declared water shortage emergency

Refer to **Appendix J**, the No Waste Ordinance (Draft) and Moratorium on New Connections during a Water Shortage (Draft), which details the reduction methods shown in **Table 7-5**.

b. Excessive Use Penalties

The District's current rate structure is available for review at the District's office and on its website at www.rcsd.org/rates.asp. During any declared water shortage emergency, a customer who exceeds the established allotment will pay a surcharge of two times the highest rate tier per hundred cubic feet (ccf) for excess water delivered during the first or second billing period, and a surcharge of four times the highest rate tier per ccf for excess water delivered during the third and subsequent consecutive billing periods of the declared water shortage emergency.



The penalties and charges imposed for excessive water use during a water shortage emergency are described in **Table 7-7**.

As used herein, "excess water" means the amount of water delivered in excess of the specific customer's established allotment during any billing period; however, if a customer's total annual usage is equal to or less than the annual allotment, any surcharge payments will be refunded to the customer. A similar adjustment will be made for each successive twelve-month period during the term of the rationing program. If the rationing program is terminated prior to a full twelve-month term, the adjustment will be prorated.

If a customer exceeds the allotted usage for three consecutive billing periods, the District will install a flow-restrictor at the service meter with a capacity of 2 gpm for meters up to one and one-half inch size, and comparatively sized restrictors for larger meters, for a period of seven days. The customer must pay a flow restrictor installation and removal charge of \$100 before normal service will be restored. Service may be terminated to any customer who knowingly and willfully violates any provision of the Water Shortage Contingency Plan.

TABLE 7-7 PENALTIES AND CHARGES	
Penalty or Charge	Stage When Penalty Takes Effect
A surcharge of two times the highest rate tier per 100 cubic feet of water delivered in excess of the customer's specified allotment.	During any Declared Water Shortage Emergency, during the first or second billing period in which the customer exceeds the allotted usage.
A surcharge of four times the highest rate tier per 100 cubic feet of water delivered in excess of the customer's specified allotment.	During any Declared Water Shortage Emergency, during the third and subsequent billing periods in which the customer exceeds the allotted usage.
The District will install a flow restrictor at the service meter with a capacity of two gpm for meters up to one and one-half inch size, and comparatively sized restrictors for larger meters, for a period of seven days. The customer must pay a flow restrictor installation and removal charge of \$100 before normal service will be restored.	When a customer exceeds allotted usage for three consecutive billing periods.
Service may be terminated.	When a customer knowingly and willfully violates any of the provisions included in the Water Shortage Contingency Plan.



7. Reduction Measuring Mechanism

a. Normal Monitoring Procedure

In normal water supply conditions, production figures are recorded daily in the District's computerized database. Total production and consumption by all categories of customers are reported monthly to District management and Board of Directors.

b. Stage 1 and 2 Water Shortages

During a Stage 1 or 2 water shortage, daily production figures will be reported to the Operations Manager, who will compare the weekly production to the target weekly production to verify that the reduction goal is being met. Weekly reports will be forwarded to the General Manager.

c. Water Shortage Response Team

Monthly reports will be provided to the Board of Directors and to the Customer Accounts Department; the latter will serve as the District's Water Shortage Response Team. If reduction goals are not met, the Water Shortage Response Team will examine individual customer usages, and corrective action will be taken.

d. Stage 3 and 4 Water Shortages

During a Stage 3 or 4 water shortage, the procedure listed above will be followed, with the addition of a daily production report to the General Manager.

e. Disaster Shortage

During a disaster shortage, production figures will be reported to the Operations Manager hourly, and to the General Manager and the Water Shortage Response Team daily.



8. Analysis of Revenue Impacts of Reduced Sales During Shortages

The District's primary revenue source is water sales. Surplus revenues are placed in the District's reserve, which is used to fund emergency repairs and water system capital improvements. The District maintains a financial reserve that is adequate to address the costs of multiple plant repairs. The District does not project a substantial impact on water sales due to shortages and is adequately funded to respond to emergencies.

Tables 7-8 through 7-11 summarize actions and conditions that impact revenues and expenditures, as well as proposed measures to overcome the impacts of such actions and conditions.

TABLE 7-8 ACTIONS AND CONDITIONS THAT IMPACT REVENUES	
Type	Anticipated Revenue Reduction
Natural Disaster	Dependent on severity
Plant Failure	Minimum revenue reduction

TABLE 7-9 ACTIONS AND CONDITIONS THAT IMPACT EXPENDITURES	
Category	Anticipated Cost
Increased Staff Costs	Controlled costs
Increased O&M Costs	Decrease in revenue
Decrease in Reserve Fund	Increased costs of supply and treatment

TABLE 7-10 PROPOSED MEASURES TO OVERCOME REVENUE IMPACTS	
Names of Measures	Summary of Effects
Rate adjustment or assessment	Increased revenue
Development of reserves	RCSD has a reserve fund
FEMA/Cal EMA ⁽¹⁾	Funding assistance during a disaster

⁽¹⁾ United States Department of Homeland Security Federal Emergency Management Agency/California Emergency Management Agency



TABLE 7-11 PROPOSED MEASURES TO OVERCOME EXPENDITURE IMPACTS	
Names of Measures	Summary of Effects
Increased Revenue	Reduced sales
Loan Payments	Revenue loss
FEMA/Cal EMA ⁽¹⁾	Loan Payments

⁽¹⁾ United States Department of Homeland Security Federal Emergency Management Agency/California Emergency Management Agency

SECTION 8

DEMAND MANAGEMENT MEASURES



**SECTION 8
DEMAND MANAGEMENT MEASURES**

Water Code

- 10631.** A plan shall be adopted in accordance with this chapter and shall do all of the following:
- (f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:
 - (1)(A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.
 - (B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:
 - (i) Water waste prevention ordinances.
 - (ii) Metering.
 - (iii) Conservation pricing.
 - (iv) Public education and outreach.
 - (v) Programs to assess and manage distribution system real loss
 - (vi) Water conservation program coordination and staffing support.
 - (vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita-day, including innovative measures, if implemented.

The following paragraphs describe the past and future planned demand measurement measures implemented or considered by the District over the past five years, and into the future.

A. WATER WASTE PREVENTION ORDINANCES

As described in **Section 7** of this UWMP, the District's No Waste Ordinance (Draft) outlines water use prohibitions such as watering in the middle of the day, washing sidewalks, and inaction on discovered leaks. District Resolution No. 2015-820, adopted on June 18, 2015, officially implemented such prohibitions, in response to the Governor's declared State of Emergency due to drought. Refer to **Section 7** herein for the full list of water use prohibitions mandated by Resolution No. 2015-820.



B. METERING

All of the District's service connections are metered, and all future connections will be metered.

C. CONSERVATION PRICING

The District currently implements a tiered rate structure, in addition to a flat monthly fee, for water services. Each tier is defined by a range of water usage (Tier 1: 1- 5 units, Tier 2: 6-12, Tier 3: 13-20 units, Tier 4: 21-29 units, and Tier 5: 30 units and greater). One unit is equal to 100 cubic feet or 748 gallons of water. Other than these tiered rates and established water waste penalties, the District does not implement drought pricing.

The District plans to continue implementing its tiered rates for the foreseeable future.

D. PUBLIC EDUCATION AND OUTREACH

The District provides links to water conservation tips on its website at www.rcsd.org. The water conservation tips were prepared by The Metropolitan Water District of Southern California, a wholesale water supplier. The District is happy to provide any additional conservation information to its customers upon request.

E. PROGRAMS TO ASSESS AND MANAGE DISTRIBUTION SYSTEM REAL LOSS

The District periodically replaces water mains as part of its capital improvement program.

F. OTHER DMMS


The District does not have any additional demand management measures to report.


FIGURES

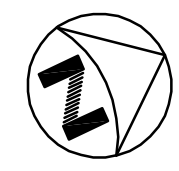


IMAGE: Copyright Google Earth Pro 2015


LEGEND

 EXISTING RCSD SERVICE AREA BOUNDARY

 ULTIMATE RCSD SERVICE AREA BOUNDARY



VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING

0  1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

 **KRIEGER & STEWART**
 Engineering Consultants

3602 University Avenue • Riverside, CA 92501
 www.kriegerandstewart.com • 951 • 684 • 6900

SCALE: 1"=200' DATE: 06/14/16 DRAWN BY: TMW CHECKED BY: KJL W.O.: 587-31.7

RUBIDOUX COMMUNITY SERVICES DISTRICT

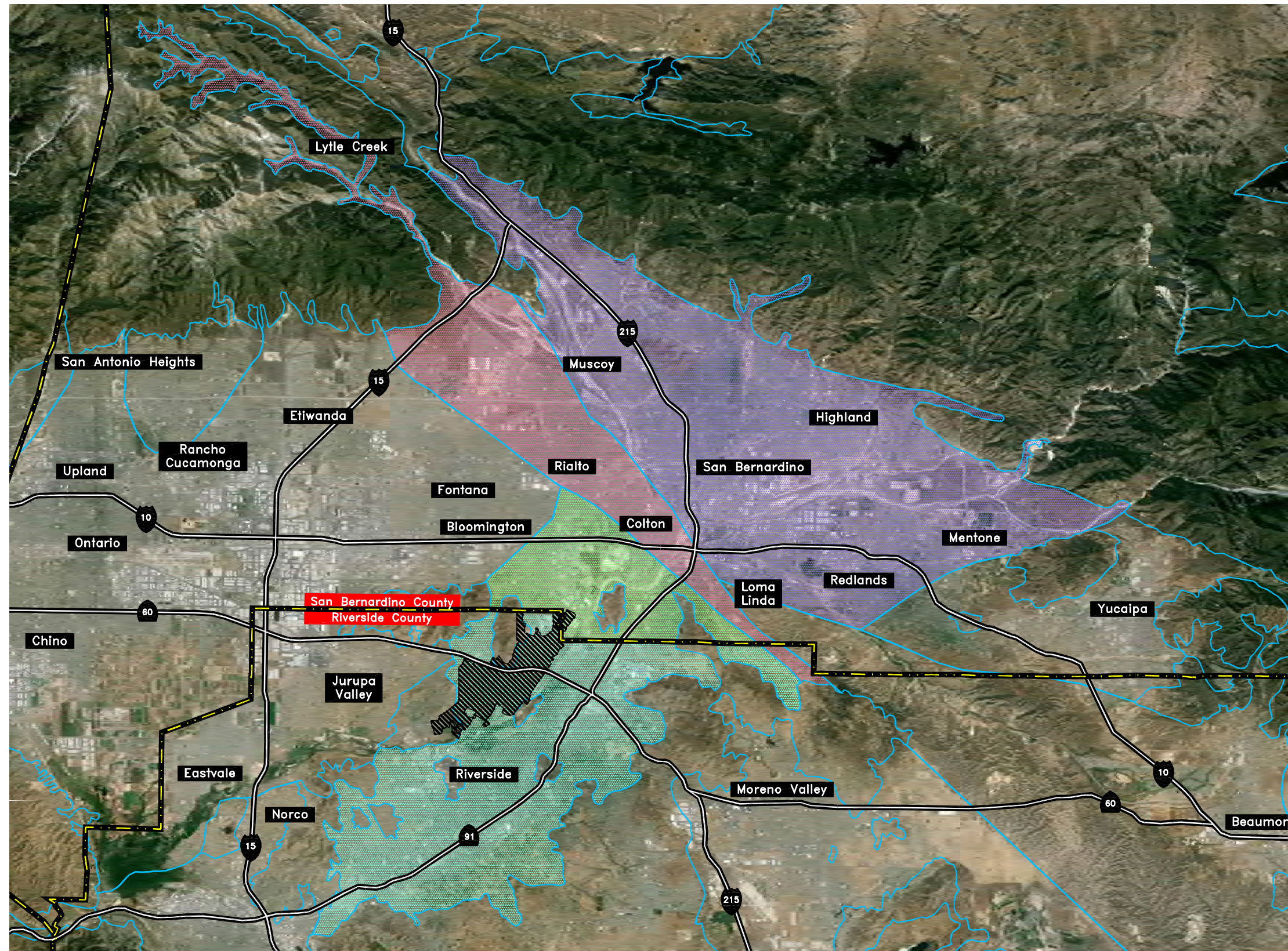
2015 URBAN WATER MANAGEMENT PLAN

SERVICE AREA

FIGURE

1

587-31p7_f1.dwg



LEGEND







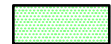

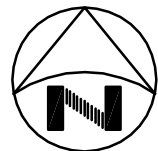

-  COUNTY BOUNDARY
-  SUBBASIN BOUNDARIES
-  FREEWAY/INTERSTATE
-  RCSD SERVICE AREA
-  BUNKER HILL GROUNDWATER BASIN
-  RIALTO-COLTON GROUNDWATER BASIN
-  RIVERSIDE-ARLINGTON GROUNDWATER BASIN WITHIN SAN BERNARDINO COUNTY
-  RIVERSIDE-ARLINGTON GROUNDWATER BASIN WITHIN RIVERSIDE COUNTY

IMAGE: Copyright Google Earth Pro 2015

587-31p7_f2.dwg



VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING

 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

K&S KRIEGER & STEWART
 Engineering Consultants
 3602 University Avenue • Riverside, CA 92501
 www.kriegerandstewart.com • 951-684-6900

RUBIDOUX COMMUNITY SERVICES DISTRICT
 2015 URBAN WATER MANAGEMENT PLAN
UPPER SANTA ANA VALLEY GROUNDWATER BASIN

SCALE: 1"=20,000 DATE: 06/14/16 DRAWN BY: MRN CHECKED BY: KJL W.O.: 587-31.7

FIGURE
2

APPENDIX A

**CALIFORNIA URBAN WATER MANAGEMENT PLANNING ACT
AND
APPLICABLE SECTIONS OF THE CALIFORNIA WATER CONSERVATION ACT**

California Water Code Division 6, Part 2.6.

Chapter 1. General Declaration and Policy §10610-10610.4

Chapter 2. Definitions §10611-10617

Chapter 3. Urban Water Management Plans

Article 1. General Provisions §10620-10621

Article 2. Contents of Plans §10630-10634

Article 2.5. Water Service Reliability §10635

Article 3. Adoption And Implementation of Plans §10640-10645

Chapter 4. Miscellaneous Provisions §10650-10656

Chapter 1. General Declaration and Policy

SECTION 10610-10610.4

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

10610.2. (a) The Legislature finds and declares all of the following:

- (1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.
- (2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.
- (3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.
- (4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.
- (5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.
- (6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.
- (7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

(8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.

(9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.

(b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

10610.4. The Legislature finds and declares that it is the policy of the state as follows:

(a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.

(b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.

(c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

Chapter 2. Definitions

SECTION 10611-10617

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

10611.5. "Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

10613. "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

10615. "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses,

reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

10617. "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

Chapter 3. Urban Water Management Plans

Article 1. General Provisions

SECTION 10620-10621

10620. (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).
- (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.
- (c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.
- (d) (1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.
- (2) Each urban water supplier shall 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.

- (e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.
 - (f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.
10621. (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).
- (b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.
- (c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).
- (d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

Article 2. Contents of Plan

SECTION 10630-10634

10630. It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.
10631. A plan shall be adopted in accordance with this chapter that shall do all of the following:
- (a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.
 - (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of

water available to the supplier, all of the following information shall be included in the plan:

- (1) A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.
 - (2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.
 - (3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
 - (4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
- (c) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:
- (A) An average water year.
 - (B) A single-dry water year.
 - (C) Multiple-dry water years.
- (2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

- (d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.
- (e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:
 - (A) Single-family residential.
 - (B) Multifamily.
 - (C) Commercial.
 - (D) Industrial.
 - (E) Institutional and governmental.
 - (F) Landscape.
 - (G) Sales to other agencies.
 - (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.
 - (I) Agricultural.
 - (J) Distribution system water loss.
- (2) The water use projections shall be in the same five-year increments described in subdivision (a).
- (3) (A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.
 - (B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.
- (4) (A) If available and applicable to an urban water supplier, water use projections may display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

- (B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following:
 - (i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections.
 - (ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.
- (f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:
 - (1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.
 - (B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:
 - (i) Water waste prevention ordinances.
 - (ii) Metering.
 - (iii) Conservation pricing.
 - (iv) Public education and outreach.
 - (v) Programs to assess and manage distribution system real loss.
 - (vi) Water conservation program coordination and staffing support.
 - (vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.
 - (2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.
- (g) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water

use, as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.

- (h) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.
- (i) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivision (f) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.
- (j) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).

10631.1. (a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

- (b) It is the intent of the Legislature that the identification of projected water use for single-family and multifamily residential housing for lower income households will assist a supplier in complying with the requirement under Section 65589.7 of the Government Code to grant a priority for the provision of service to housing units affordable to lower income households.

10631.2. (a) In addition to the requirements of Section 10631, an urban water management plan may, but is not required to, include any of the following information:

- (1) An estimate of the amount of energy used to extract or divert water supplies.
 - (2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.
 - (3) An estimate of the amount of energy used to treat water supplies.
 - (4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.
 - (5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.
 - (6) An estimate of the amount of energy used to place water into or withdraw from storage.
 - (7) Any other energy-related information the urban water supplier deems appropriate.
- (b) The department shall include in its guidance for the preparation of urban water management plans a methodology for the voluntary calculation or estimation of the energy intensity of urban water systems. The department may consider studies and calculations conducted by the Public Utilities Commission in developing the methodology.

10631.5. (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).

- (2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).
- (3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban water supplier has

submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.

(4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.

(B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a water demand management measure is less than the present value of the local costs of implementing that measure.

(b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:

(A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.

(B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.

(2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:

- (i) Compliance on an individual basis.
 - (ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.
- (B) The department may require additional information for any determination pursuant to this section.
- (3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the water demand management measures described in Section 10631.
- (c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).
 - (d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.
 - (e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit biennial reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.

- (f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

10631.7. The department, in consultation with the California Urban Water Conservation Council, shall convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The panel shall consist of no more than seven members, who shall be selected by the department to reflect a balanced representation of experts. The panel shall have at least one, but no more than two, representatives from each of the following: retail water suppliers, environmental organizations, the business community, wholesale water suppliers, and academia. The panel shall be convened by January 1, 2009, and shall report to the Legislature no later than January 1, 2010, and every five years thereafter. The department shall review the panel report and include in the final report to the Legislature the department's recommendations and comments regarding the panel process and the panel's recommendations.

10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier:
- (1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions that are applicable to each stage.
 - (2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.
 - (3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.
 - (4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.
 - (5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are

appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

- (6) Penalties or charges for excessive use, where applicable.
 - (7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.
 - (8) A draft water shortage contingency resolution or ordinance.
 - (9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.
- (b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

- (a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.
- (b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.
- (c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.
- (d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

- (e) 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 pursuant to this subdivision.
- (f) A description of actions, including financial incentives, 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.
- (g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

10634. The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

Article 2.5. Water Service Reliability

SECTION 10635

10635. (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.
- (b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.
- (c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

- (d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

Article 3. Adoption and Implementation of Plans

SECTION 10640-10645

10640. Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630). The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

10641. An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

10642. Each urban water supplier shall encourage the 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. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area.

After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

10644. (a) (1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1) shall be submitted electronically and shall include any standardized forms, tables, or displays specified by the department.

- (b) (1) Notwithstanding Section 10231.5 of the Government Code, the department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part.

The report prepared by the department shall identify the exemplary elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

- (2) A report to be submitted pursuant to paragraph (1) shall be submitted in compliance with Section 9795 of the Government Code.

- (c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report water demand management measures adopted and implemented by specific urban water suppliers, and identified pursuant to Section 10631, that achieve water savings significantly above the levels established by the department to meet the requirements of Section 10631.5.

- (2) The department shall distribute to the panel convened pursuant to Section 10631.7 the results achieved by the implementation of those water demand management measures described in paragraph (1).

- (3) The department shall make available to the public the standard the department will use to identify exemplary water demand management measures.

10645. Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

Chapter 4. Miscellaneous Provisions

SECTION 10650-10656

10650. Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

- (a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

- (b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.
10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.
10652. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.
10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.
10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.
10655. If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.
10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

(commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

California Water Code Division 6, Part 2.55.

- Chapter 1. General Declarations and Policy §10608-10608.8**
- Chapter 2. Definitions §10608.12**
- Chapter 3. Urban Retail Water Suppliers §10608.16-10608.44**
- Chapter 4. Agricultural Water Suppliers §10608.48**
- Chapter 5. Sustainable Water Management §10608.50**
- Chapter 6 Standardized Data Collection §10608.52**
- Chapter 7 Funding Provisions §10608.56-10608.60**
- Chapter 8 Quantifying Agricultural Water Use Efficiency §10608.64**

Chapter 1. General Declarations and Policy

SECTION 10608-10608.8

10608. The Legislature finds and declares all of the following:

- (a) Water is a public resource that the California Constitution protects against waste and unreasonable use.
- (b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.
- (c) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.
- (d) Reduced water use through conservation provides significant energy and environmental benefits, and can help protect water quality, improve streamflows, and reduce greenhouse gas emissions.
- (e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.
- (f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.
- (g) The Governor has called for a 20 percent per capita reduction in urban water use statewide by 2020.
- (h) The factors used to formulate water use efficiency targets can vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.

- (i) Per capita water use is a valid measure of a water provider's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water providers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of efficiency.

10608.4. It is the intent of the Legislature, by the enactment of this part, to do all of the following:

- (a) Require all water suppliers to increase the efficiency of use of this essential resource.
- (b) Establish a framework to meet the state targets for urban water conservation identified in this part and called for by the Governor.
- (c) Measure increased efficiency of urban water use on a per capita basis.
- (d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.
- (e) Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.
- (f) Promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.
- (g) Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water conservation since the drought of the early 1990s.
- (h) Recognize and account for the investment of urban retail water suppliers in providing recycled water for beneficial uses.
- (i) Require implementation of specified efficient water management practices for agricultural water suppliers.
- (j) Support the economic productivity of California's agricultural, commercial, and industrial sectors.
- (k) Advance regional water resources management.

- 10608.8. (a) (1) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.
- (2) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision (b) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to

January 1, 2021. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

- (3) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.
- (b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.
- (c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.
- (d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

Chapter 2 Definitions

SECTION 10608.12

10608.12. Unless the context otherwise requires, the following definitions govern the construction of this part:

- (a) "Agricultural water supplier" means a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. "Agricultural water supplier" includes a supplier or contractor for water, regardless of the basis of right, that distributes or sells water for ultimate resale to customers. "Agricultural water supplier" does not include the department.
- (b) "Base daily per capita water use" means any of the following:
 - (1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

- (2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.
- (3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.
- (c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.
- (d) "Commercial water user" means a water user that provides or distributes a product or service.
- (e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.
- (f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.
- (g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:
 - (1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier.
 - (2) The net volume of water that the urban retail water supplier places into long-term storage.
 - (3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.
 - (4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.
- (h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.
- (i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

- (j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.
- (k) "Locally cost effective" means that the present value of the local benefits of implementing an agricultural efficiency water management practice is greater than or equal to the present value of the local cost of implementing that measure.
- (l) "Process water" means water used for producing a product or product content or water used for research and development, including, but not limited to, continuous manufacturing processes, water used for testing and maintaining equipment used in producing a product or product content, and water used in combined heat and power facilities used in producing a product or product content. Process water does not mean incidental water uses not related to the production of a product or product content, including, but not limited to, water used for restrooms, landscaping, air conditioning, heating, kitchens, and laundry.
- (m) "Recycled water" means recycled water, as defined in subdivision (n) of Section 13050, that is used to offset potable demand, including recycled water supplied for direct use and indirect potable reuse, that meets the following requirements, where applicable:
 - (1) For groundwater recharge, including recharge through spreading basins, water supplies that are all of the following:
 - (A) Metered.
 - (B) Developed through planned investment by the urban water supplier or a wastewater treatment agency.
 - (C) Treated to a minimum tertiary level.
 - (D) Delivered within the service area of an urban retail water supplier or its urban wholesale water supplier that helps an urban retail water supplier meet its urban water use target.
 - (2) For reservoir augmentation, water supplies that meet the criteria of paragraph (1) and are conveyed through a distribution system constructed specifically for recycled water.
- (n) "Regional water resources management" means sources of supply resulting from watershed-based planning for sustainable local water reliability or any of the following alternative sources of water:
 - (1) The capture and reuse of stormwater or rainwater.
 - (2) The use of recycled water.
 - (3) The desalination of brackish groundwater.

- (4) The conjunctive use of surface water and groundwater in a manner that is consistent with the safe yield of the groundwater basin.
- (o) "Reporting period" means the years for which an urban retail water supplier reports compliance with the urban water use targets.
- (p) "Urban retail water supplier" means a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable water annually at retail for municipal purposes.
- (q) "Urban water use target" means the urban retail water supplier's targeted future daily per capita water use.
- (r) "Urban wholesale water supplier," means a water supplier, either publicly or privately owned, that provides more than 3,000 acre-feet of water annually at wholesale for potable municipal purposes.

Chapter 3 Urban Retail Water Suppliers

SECTION 10608.16-10608.44

10608.16.(a) The state shall achieve a 20-percent reduction in urban per capita water use in California on or before December 31, 2020.

- (b) The state shall make incremental progress towards the state target specified in subdivision (a) by reducing urban per capita water use by at least 10 percent on or before December 31, 2015.

10608.20.(a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

- (2) It is the intent of the Legislature that the urban water use targets described in paragraph (1) cumulatively result in a 20-percent reduction from the baseline daily per capita water use by December 31, 2020.

- (b) An urban retail water supplier shall adopt one of the following methods for determining its urban water use target pursuant to subdivision (a):

- (1) Eighty percent of the urban retail water supplier's baseline per capita daily water use.

- (2) The per capita daily water use that is estimated using the sum of the following performance standards:

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

- (A) For indoor residential water use, 55 gallons per capita daily water use as a provisional standard. Upon completion of the department's 2016 report to the Legislature pursuant to Section 10608.42, this standard may be adjusted by the Legislature by statute.
 - (B) For landscape irrigated through dedicated or residential meters or connections, water efficiency equivalent to the standards of the Model Water Efficient Landscape Ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, as in effect the later of the year of the landscape's installation or 1992. An urban retail water supplier using the approach specified in this subparagraph shall use satellite imagery, site visits, or other best available technology to develop an accurate estimate of landscaped areas.
 - (C) For commercial, industrial, and institutional uses, a 10-percent reduction in water use from the baseline commercial, industrial, and institutional water use by 2020.
- (3) Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's draft 20x2020 Water Conservation Plan (dated April 30, 2009). If the service area of an urban water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.
- (4) A method that shall be identified and developed by the department, through a public process, and reported to the Legislature no later than December 31, 2010. The method developed by the department shall identify per capita targets that cumulatively result in a statewide 20-percent reduction in urban daily per capita water use by December 31, 2020. In developing urban daily per capita water use targets, the department shall do all of the following:
- (A) Consider climatic differences within the state.
 - (B) Consider population density differences within the state.
 - (C) Provide flexibility to communities and regions in meeting the targets.
 - (D) Consider different levels of per capita water use according to plant water needs in different regions.
 - (E) Consider different levels of commercial, industrial, and institutional water use in different regions of the state.
 - (F) Avoid placing an undue hardship on communities that have implemented conservation measures or taken actions to keep per capita water use low.
- (c) If the department adopts a regulation pursuant to paragraph (4) of subdivision (b) that results in a requirement that an urban retail water supplier achieve a reduction in daily per capita water use that is greater than 20 percent by December 31, 2020, an urban retail water supplier that adopted the method

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

described in paragraph (4) of subdivision (b) may limit its urban water use target to a reduction of not more than 20 percent by December 31, 2020, by adopting the method described in paragraph (1) of subdivision (b).

- (d) The department shall update the method described in paragraph (4) of subdivision (b) and report to the Legislature by December 31, 2014. An urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may adopt a new urban daily per capita water use target pursuant to this updated method.
- (e) An urban retail water supplier shall include in its urban water management plan due in 2010 pursuant to Part 2.6 (commencing with Section 10610) the 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.
- (f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.
- (g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).
- (h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including, but not limited to, both of the following:
 - (A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.
 - (B) Criteria for adjustments pursuant to subdivisions (d) and (e) of Section 10608.24.
- (2) The department shall post the methodologies and criteria developed pursuant to this subdivision on its Internet Web site, and make written copies available, by October 1, 2010. An urban retail water supplier shall use the methods developed by the department in compliance with this part.
- (i) (1) The department shall adopt regulations for implementation of the provisions relating to process water in accordance with subdivision (l) of Section 10608.12, subdivision (e) of Section 10608.24, and subdivision (d) of Section 10608.26.
- (2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the

Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

- (j) (1) An urban retail water supplier is granted an extension to July 1, 2011, for adoption of an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) due in 2010 to allow the use of technical methodologies developed by the department pursuant to paragraph (4) of subdivision (b) and subdivision (h). An urban retail water supplier that adopts an urban water management plan due in 2010 that does not use the methodologies developed by the department pursuant to subdivision (h) shall amend the plan by July 1, 2011, to comply with this part.
- (2) An urban wholesale water supplier whose urban water management plan prepared pursuant to Part 2.6 (commencing with Section 10610) was due and not submitted in 2010 is granted an extension to July 1, 2011, to permit coordination between an urban wholesale water supplier and urban retail water suppliers.

10608.22. Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph(3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day.

10608.24.(a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

(b) Each urban retail water supplier shall meet its urban water use target by December 31, 2020.

(c) An urban retail water supplier's compliance daily per capita water use shall be the measure of progress toward achievement of its urban water use target.

(d) (1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.

(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in

paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

- (e) When developing the urban water use target pursuant to Section 10608.20, an urban retail water supplier that has a substantial percentage of industrial water use in its service area may exclude process water from the calculation of gross water use to avoid a disproportionate burden on another customer sector.
- (f) (1) An urban retail water supplier that includes agricultural water use in an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) may include the agricultural water use in determining gross water use. An urban retail water supplier that includes agricultural water use in determining gross water use and develops its urban water use target pursuant to paragraph (2) of subdivision (b) of Section 10608.20 shall use a water efficient standard for agricultural irrigation of 100 percent of reference evapotranspiration multiplied by the crop coefficient for irrigated acres.

(2) An urban retail water supplier, that is also an agricultural water supplier, is not subject to the requirements of Chapter 4 (commencing with Section 10608.48), if the agricultural water use is incorporated into its urban water use target pursuant to paragraph (1).

10608.26.(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

- (1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.
 - (2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.
 - (3) Adopt a method, pursuant to subdivision (b) of Section 10608.20, for determining its urban water use target.
- (b) In complying with this part, an urban retail water supplier may meet its urban water use target through efficiency improvements in any combination among its customer sectors. An urban retail water supplier shall avoid placing a disproportionate burden on any customer sector.
- (c) For an urban retail water supplier that supplies water to a United States Department of Defense military installation, the urban retail water supplier's implementation plan for complying with this part shall consider the conservation of that military installation under federal Executive Order 13514.
- (d) (1) Any ordinance or resolution adopted by an urban retail water supplier after the effective date of this section shall not require existing customers as of the effective date of this section, to undertake changes in product formulation, operations, or equipment that would reduce process water use, but may provide technical assistance and financial incentives to those customers to implement efficiency measures for process water. This section shall not limit

an ordinance or resolution adopted pursuant to a declaration of drought emergency by an urban retail water supplier.

- (2) This part shall not be construed or enforced so as to interfere with the requirements of Chapter 4 (commencing with Section 113980) to Chapter 13 (commencing with Section 114380), inclusive, of Part 7 of Division 104 of the Health and Safety Code, or any requirement or standard for the protection of public health, public safety, or worker safety established by federal, state, or local government or recommended by recognized standard setting organizations or trade associations.

10608.28.(a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

- (1) Through an urban wholesale water supplier.
- (2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).
- (3) Through a regional water management group as defined in Section 10537.
- (4) By an integrated regional water management funding area.
- (5) By hydrologic region.
- (6) Through other appropriate geographic scales for which computation methods have been developed by the department.

- (b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

10608.32. All costs incurred pursuant to this part by a water utility regulated by the Public Utilities Commission may be recoverable in rates subject to review and approval by the Public Utilities Commission, and may be recorded in a memorandum account and reviewed for reasonableness by the Public Utilities Commission.

10608.36. Urban wholesale water suppliers shall include in the urban water management plans required pursuant to Part 2.6 (commencing with Section 10610) an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part.

10608.40. Urban water retail suppliers shall report to the department on their progress in meeting their urban water use targets as part of their urban water management plans

submitted pursuant to Section 10631. The data shall be reported using a standardized form developed pursuant to Section 10608.52.

10608.42.(a) The department shall review the 2015 urban water management plans and report to the Legislature by July 1, 2017, on progress towards achieving a 20-percent reduction in urban water use by December 31, 2020. The report shall include recommendations on changes to water efficiency standards or urban water use targets to achieve the 20-percent reduction and to reflect updated efficiency information and technology changes.

(b) A report to be submitted pursuant to subdivision (a) shall be submitted in compliance with Section 9795 of the Government Code.

10608.43. The department, in conjunction with the California Urban Water Conservation Council, by April 1, 2010, shall convene a representative task force consisting of academic experts, urban retail water suppliers, environmental organizations, commercial water users, industrial water users, and institutional water users to develop alternative best management practices for commercial, industrial, and institutional users and an assessment of the potential statewide water use efficiency improvement in the commercial, industrial, and institutional sectors that would result from implementation of these best management practices. The taskforce, in conjunction with the department, shall submit a report to the Legislature by April 1, 2012, that shall include a review of multiple sectors within commercial, industrial, and institutional users and that shall recommend water use efficiency standards for commercial, industrial, and institutional users among various sectors of water use. The report shall include, but not be limited to, the following:

(a) Appropriate metrics for evaluating commercial, industrial, and institutional water use.

(b) Evaluation of water demands for manufacturing processes, goods, and cooling.

(c) Evaluation of public infrastructure necessary for delivery of recycled water to the commercial, industrial, and institutional sectors.

(d) Evaluation of institutional and economic barriers to increased recycled water use within the commercial, industrial, and institutional sectors.

(e) Identification of technical feasibility and cost of the best management practices to achieve more efficient water use statewide in the commercial, industrial, and institutional sectors that is consistent with the public interest and reflects past investments in water use efficiency.

10608.44. Each state agency shall reduce water use at facilities it operates to support urban retail water suppliers in meeting the target identified in Section 10608.16.

Chapter 4 Agricultural Water Suppliers

SECTION 10608.48

10608.48.(a) On or before July 31, 2012, an agricultural water supplier shall implement efficient water management practices pursuant to subdivisions (b) and (c).

(b) Agricultural water suppliers shall implement all of the following critical efficient management practices:

(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).

(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.

(c) Agricultural water suppliers shall implement additional efficient management practices, including, but not limited to, practices to accomplish all of the following, if the measures are locally cost effective and technically feasible:

(1) Facilitate alternative land use for lands with exceptionally high water duties or whose irrigation contributes to significant problems, including drainage.

(2) Facilitate use of available recycled water that otherwise would not be used beneficially, meets all health and safety criteria, and does not harm crops or soils.

(3) Facilitate the financing of capital improvements for on-farm irrigation systems.

(4) Implement an incentive pricing structure that promotes one or more of the following goals:

(A) More efficient water use at the farm level.

(B) Conjunctive use of groundwater.

(C) Appropriate increase of groundwater recharge.

(D) Reduction in problem drainage.

(E) Improved management of environmental resources.

(F) Effective management of all water sources throughout the year by adjusting seasonal pricing structures based on current conditions.

(5) Expand line or pipe distribution systems, and construct regulatory reservoirs to increase distribution system flexibility and capacity, decrease maintenance, and reduce seepage.

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

- (6) Increase flexibility in water ordering by, and delivery to, water customers within operational limits.
 - (7) Construct and operate supplier spill and tailwater recovery systems.
 - (8) Increase planned conjunctive use of surface water and groundwater within the supplier service area.
 - (9) Automate canal control structures.
 - (10) Facilitate or promote customer pump testing and evaluation.
 - (11) Designate a water conservation coordinator who will develop and implement the water management plan and prepare progress reports.
 - (12) Provide for the availability of water management services to water users. These services may include, but are not limited to, all of the following:
 - (A) On-farm irrigation and drainage system evaluations.
 - (B) Normal year and real-time irrigation scheduling and crop evapotranspiration information.
 - (C) Surface water, groundwater, and drainage water quantity and quality data.
 - (D) Agricultural water management educational programs and materials for farmers, staff, and the public.
 - (13) Evaluate the policies of agencies that provide the supplier with water to identify the potential for institutional changes to allow more flexible water deliveries and storage.
 - (14) Evaluate and improve the efficiencies of the supplier's pumps.
- (d) Agricultural water suppliers shall include in the agricultural water management plans required pursuant to Part 2.8 (commencing with Section 10800) a report on which efficient water management practices have been implemented and are planned to be implemented, an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future. If an agricultural water supplier determines that an efficient water management practice is not locally cost effective or technically feasible, the supplier shall submit information documenting that determination.
 - (e) The data shall be reported using a standardized form developed pursuant to Section 10608.52.
 - (f) An agricultural water supplier may meet the requirements of subdivisions (d) and (e) by submitting to the department a water conservation plan submitted to the United States Bureau of Reclamation that meets the requirements described in Section 10828.

- (g) On or before December 31, 2013, December 31, 2016, and December 31, 2021, the department, in consultation with the board, shall submit to the Legislature a report on the agricultural efficient water management practices that have been implemented and are planned to be implemented and an assessment of the manner in which the implementation of those efficient water management practices has affected and will affect agricultural operations, including estimated water use efficiency improvements, if any.
- (h) The department may update the efficient water management practices required pursuant to subdivision (c), in consultation with the Agricultural Water Management Council, the United States Bureau of Reclamation, and the board. All efficient water management practices for agricultural water use pursuant to this chapter shall be adopted or revised by the department only after the department conducts public hearings to allow participation of the diverse geographical areas and interests of the state.
- (i)
 - (1) The department shall adopt regulations that provide for a range of options that agricultural water suppliers may use or implement to comply with the measurement requirement in paragraph (1) of subdivision (b).
 - (2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

Chapter 5 Sustainable Water Management

Section 10608.50

- 10608.50.(a) The department, in consultation with the board, shall promote implementation of regional water resources management practices through increased incentives and removal of barriers consistent with state and federal law. Potential changes may include, but are not limited to, all of the following:
- (1) Revisions to the requirements for urban and agricultural water management plans.
 - (2) Revisions to the requirements for integrated regional water management plans.
 - (3) Revisions to the eligibility for state water management grants and loans.

- (4) Revisions to state or local permitting requirements that increase water supply opportunities, but do not weaken water quality protection under state and federal law.
 - (5) Increased funding for research, feasibility studies, and project construction.
 - (6) Expanding technical and educational support for local land use and water management agencies.
- (b) No later than January 1, 2011, and updated as part of the California Water Plan, the department, in consultation with the board, and with public input, shall propose new statewide targets, or review and update existing statewide targets, for regional water resources management practices, including, but not limited to, recycled water, brackish groundwater desalination, and infiltration and direct use of urban stormwater runoff.

Chapter 6 Standardized Data Collection

SECTION 10608.52

- 10608.52.(a) The department, in consultation with the board, the California Bay-Delta Authority or its successor agency, the State Department of Public Health, and the Public Utilities Commission, shall develop a single standardized water use reporting form to meet the water use information needs of each agency, including the needs of urban water suppliers that elect to determine and report progress toward achieving targets on a regional basis as provided in subdivision (a) of Section 10608.28.
- (b) At a minimum, the form shall be developed to accommodate information sufficient to assess an urban water supplier's compliance with conservation targets pursuant to Section 10608.24 and an agricultural water supplier's compliance with implementation of efficient water management practices pursuant to subdivision (a) of Section 10608.48. The form shall accommodate reporting by urban water suppliers on an individual or regional basis as provided in subdivision (a) of Section 10608.28.

Chapter 7 Funding Provisions

Section 10608.56-10608.60

- 10608.56.(a) On and after July 1, 2016, an urban retail water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.
- (b) On and after July 1, 2013, an agricultural water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

*Appendix A - Urban Water Management Planning Act and
Applicable Sections of the California Water Conservation Act*

- (c) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for achieving the per capita reductions. The supplier may request grant or loan funds to achieve the per capita reductions to the extent the request is consistent with the eligibility requirements applicable to the water funds.
 - (d) Notwithstanding subdivision (b), the department shall determine that an agricultural water supplier is eligible for a water grant or loan even though the supplier is not implementing all of the efficient water management practices described in Section 10608.48, if the agricultural water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the efficient water management practices. The supplier may request grant or loan funds to implement the efficient water management practices to the extent the request is consistent with the eligibility requirements applicable to the water funds.
 - (e) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval documentation demonstrating that its entire service area qualifies as a disadvantaged community.
 - (f) The department shall not deny eligibility to an urban retail water supplier or agricultural water supplier in compliance with the requirements of this part and Part 2.8 (commencing with Section 10800), that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the requirements of this part or Part 2.8 (commencing with Section 10800).
- 10608.60.(a) It is the intent of the Legislature that funds made available by Section 75026 of the Public Resources Code should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for grants to implement this part. In the allocation of funding, it is the intent of the Legislature that the department give consideration to disadvantaged communities to assist in implementing the requirements of this part.
- (b) It is the intent of the Legislature that funds made available by Section 75041 of the Public Resources Code, should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for direct expenditures to implement this part.

Chapter 8 Quantifying Agricultural Water Use Efficiency

SECTION 10608.64

10608.64. The department, in consultation with the Agricultural Water Management Council, academic experts, and other stakeholders, shall develop a methodology for quantifying the efficiency of agricultural water use. Alternatives to be assessed shall include, but not be limited to, determination of efficiency levels based on crop type or irrigation system distribution uniformity. On or before December 31, 2011, the department shall report to the Legislature on a proposed methodology and a plan for implementation. The plan shall include the estimated implementation costs and the types of data needed to support the methodology. Nothing in this section authorizes the department to implement a methodology established pursuant to this section.

APPENDIX B

- **60-DAY NOTICE TO CITIES AND COUNTIES WITHIN WHICH RCSD PROVIDES WATER SERVICE AND TO OTHER INTERESTED PARTIES**
- **PUBLIC HEARING NOTICES**
- **PUBLIC COMMENTS ON THE DRAFT 2015 UWMP AND RESPONSES THERETO**

**60-DAY NOTICE TO CITIES AND COUNTIES WITHIN
WHICH RCSD PROVIDES WATER SERVICE AND
TO OTHER INTERESTED PARTIES**

Rubidoux Community Services District

Board of Directors

Theodore Melms
Armando Muniz
John Skerbelis
F. Forest Trowbridge
Ruth Anderson Wilson



Secretary-Manager

David D. Lopez

Water Resource Management

Refuse Collection

Street Lights

Fire / Emergency Services

Weed Abatement

RUBIDOUX COMMUNITY SERVICES DISTRICT PUBLIC NOTICE ON PROPOSED URBAN WATER MANAGEMENT PLAN UPDATE

Notice is hereby given that Rubidoux Community Services District (the District) is in the process of reviewing its Urban Water Management Plan and considering changes thereto. Any changes will be incorporated into the District's 2015 Urban Water Management Plan.

A public hearing on the Draft 2015 Urban Water Management Plan will be conducted a minimum of 60 days from the date of this notice and prior to the District's adoption of the 2015 Urban Water Management Plan. Public notice of the hearing will be published twice in *The Press Enterprise* newspaper prior to the public hearing.

All interested parties are invited to attend the public hearing and be heard in support of or in opposition to the proposed 2015 Urban Water Management Plan. Interested parties may submit written comments to the District prior to the public hearing. Adoption of the 2015 Urban Water Management Plan by the District may follow the public hearing.

When completed, a draft copy of Rubidoux Community Services District's 2015 Urban Water Management Plan will be made available at the office of Rubidoux Community Services District, 3590 Rubidoux Boulevard, Jurupa Valley CA 92509.

Dated: March 17, 2016

A handwritten signature in black ink, appearing to read 'David D. Lopez', is written over a horizontal line.

David D. Lopez
General Manager
Rubidoux Community Services District

7005 1820 0001 2236 7200

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To **System Manager**
City of Riverside
 Street, Apt. No., or PO Box No. **Water Quality Control Plant**
 City, State, ZIP+4 **5950 Acorn Street, Riverside, CA 92504**

PS Form 3800, June 2002 See Reverse for Instructions

7005 1820 0001 2236 7347

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To **Derek Kawai, Director of Engineering**
Western Municipal Water District
 Street, Apt. No., or PO Box No. **14205 Meridian Pkwy**
 City, State, ZIP+4 **Riverside CA 92518**

PS Form 3800, June 2002 See Reverse for Instructions

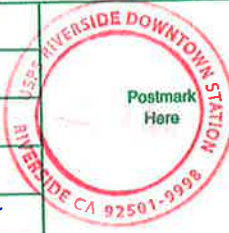
7005 1820 0001 2236 7187

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To **Jim Smith, City of Jurupa Valley**
 Street, Apt. No., or PO Box No. **8930 Limonite Ave**
 City, State, ZIP+4 **Jurupa Valley, CA 92509**

PS Form 3800, June 2002 See Reverse for Instructions

7005 1820 0001 2236 7231

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To **Carylyn Syms Luna, Planning Director**
County of Riverside
 Street, Apt. No., or PO Box No. **Planning Department**
 City, State, ZIP+4 **P.O. Box 1409**
Riverside CA 92502-1409

PS Form 3800, June 2002 See Reverse for Instructions

7005 1820 0001 2236 7224

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To **Gerry Newcombe, Director of Public Works**
County of San Bernardino
 Street, Apt. No., or PO Box No. **Department of Public Works**
 City, State, ZIP+4 **825 E 3rd St, San Bernardino, CA 92415**

PS Form 3800, June 2002 See Reverse for Instructions

7005 1820 0001 2236 7217

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To **Robert Tock, Director of Engineering**
Jurupa Community Services District
 Street, Apt. No., or PO Box No. **11201 Harrel St, Jurupa Valley CA 91752**
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions

PUBLIC HEARING NOTICES

Rubidoux Community Services District

Board of Directors

Theodore Melms
Armando Muniz
John Skerbelis
F. Forest Trowbridge
Ruth Anderson Wilson



Secretary-Manager

David D. Lopez

Water Resource Management

Refuse Collection

Street Lights

Fire / Emergency Services

Weed Abatement

RUBIDOUX COMMUNITY SERVICES DISTRICT NOTICE OF PUBLIC HEARING ON PROPOSED URBAN WATER MANAGEMENT PLAN UPDATE

Notice is hereby given that Rubidoux Community Services District (the District) will conduct a public hearing on Thursday, August 4, 2016, at 4:00 PM, at the regular meeting of the Board of Directors, located at 3590 Rubidoux Boulevard, Jurupa Valley, California 92509.

The public hearing is set for the purpose of receiving comments on the District's proposed 2015 Urban Water Management Plan. All interested parties are invited to attend the public hearing and be heard in support of or in opposition to the proposed plan, and may submit written comments to the District at or before the public hearing. After conclusion of the public hearing the Board may proceed to adopt the 2015 Urban Water Management Plan.

A copy of the proposed 2015 Urban Water Management Plan is available for public inspection online at www.rcsd.org/plans-documents.asp and in person at the District office located at 3509 Rubidoux Boulevard, Jurupa Valley, California 92509 during normal business hours.

Dated: July 15, 2016

A handwritten signature in black ink, appearing to read "David D. Lopez", written over a horizontal line.

David D. Lopez
General Manager
Rubidoux Community Services District

7014 0150 0002 2983 7032

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To
System Manager
City of Riverside
Water Quality Control Plant
5950 Acorn Street, Riverside, CA 92504

PS Form 3800, August 2006 See Reverse for Instructions

7014 0150 0002 2983 7025

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To
Gerry Newcombe, Director of Public Works
County of San Bernardino
Department of Public Works
825 E 3rd St, San Bernardino, CA 92415

PS Form 3800, August 2006 See Reverse for Instructions

7014 0150 0002 2983 7049

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To
Jim Smith, City Engineer
City of Jurupa Valley
Engineering Department
8304 Limonite Avenue, Suite M
Jurupa Valley, CA 92509

PS Form 3800, August 2006 See Reverse for Instructions

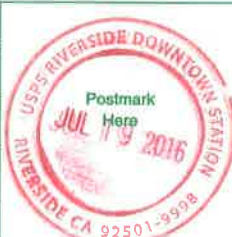
7014 0150 0002 2983 7056

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To
Robert Toek, Director of Engineering
Jurupa Community Services District
11201 Harrel St, Jurupa Valley CA 91752

PS Form 3800, August 2006 See Reverse for Instructions

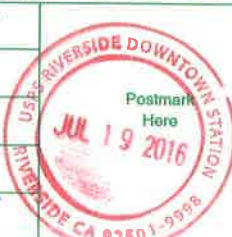
7014 0150 0002 2983 6660

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To
Derek Kawaii, Director of Engineering
Western Municipal Water District
14205 Meridian Pkwy
Riverside CA 92518

PS Form 3800, August 2006 See Reverse for Instructions

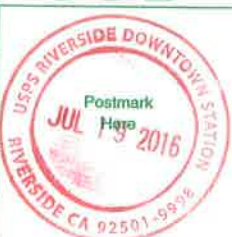
7014 0150 0002 2983 7063

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 0.485
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 3.935



Sent To
Carylyn Syms Luna, Planning Director
County of Riverside
Planning Department
P O Box 1409, Riverside, CA 92502-1409

PS Form 3800, August 2006 See Reverse for Instructions

**PUBLIC COMMENTS ON THE DRAFT 2015 UWMP AND
RESPONSES THERETO**

PLACEHOLDER FOR

**PUBLIC COMMENTS ON THE DRAFT 2015 UWMP AND
RESPONSES THERETO**

APPENDIX C

**RESOLUTION ADOPTING THE
2015 URBAN WATER MANAGEMENT PLAN**

PLACEHOLDER FOR
RESOLUTION ADOPTING THE
2015 URBAN WATER MANAGEMENT PLAN

APPENDIX D

DOCUMENTATION OF SUBMITTAL OF FINAL 2015 UWMP

PLACEHOLDER FOR

DOCUMENTATION OF SUBMITTAL OF FINAL 2015 UWMP

APPENDIX E
2015 UWMP CHECKLIST

Checklist Arranged by Water Code Section

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location (Optional Column for Agency Use)
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	Section 3.B
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	Chapter 5 and App E	Section 3
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	Section 5.7.2	Section 3.C
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	Section 3.D
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	Section 5.8.2	Not Applicable
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	Appendix B
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	Section 5.1	Not Applicable
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	Appendix H
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	Section 2.1	Section 1.A
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	Section 2.5.2	Section 1.A
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	Section 7.4	Section 1.C

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location (Optional Column for Agency Use)
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 changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	Appendix B
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Appendix D
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Section 2.B
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 2.D
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Section 2.C
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	Section 2.C
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Section 2.E
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	Sections 5.A and 5.B
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Sections 5.A and 5.B
10631(b)(1)	Indicate whether a 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	Section 6.2.2	Section 5.C
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	Section 5.B
10631(b)(2)	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	Section 6.2.2	Section 5.B and Appendix K
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	Not Applicable

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location (Optional Column for Agency Use)
10631(b)(3)	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	Section 6.2.4	Section 5.C
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	Section 5.C
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	Section 6.C
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	Section 6.C
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	Section 6.C
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	Section 5.D
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Section 4.A
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	Section 4.A
10631(f)(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	Sections 9.2 and 9.3	Section 8
10631(f)(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	Sections 9.1 and 9.3	Not Applicable
10631(g)	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 multiple-dry years.	System Supplies	Section 6.8	Section 5.E
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Section 5.F

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location (Optional Column for Agency Use)
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	Not Applicable
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	Not Applicable
10631(j)	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	Section 2.5.1	Not Applicable
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	Sections 4.A and 4.B
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	Section 7
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	Section 6.C
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	Section 7.A.1
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	Section 7.A.6
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	Section 7.A.6
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	Section 7.A
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	Section 7.A.8

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location (Optional Column for Agency Use)
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	Appendix J
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	Section 7.A.7
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	Sections 1.A and 5.G
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	Section 5.G.1
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)	Section 6.5.2.2	Section 5.G.1
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	Section 5.G.2
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)	Section 6.5.4	Section 5.G.2
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)	Section 6.5.4	Section 5.G.2
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)	Section 6.5.5	Section 5.G.2
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	Section 5.G.2
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	Section 6.B
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry 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	Section 7.3	Section 6.C

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location (Optional Column for Agency Use)
10635(b)	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 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	Sections 1.A and 1.B
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.	Plan Preparation	Section 2.5.2	Section 1.A
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Appendix B
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	Sections 10.2.1	Appendix B
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Appendix C
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	Appendix D
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	Section 10.4.4	Appendix D
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	Appendix D
10645	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	Section 10.5	Section 1.B

APPENDIX F

2015 UWMP STANDARDIZED TABLES

Table 2-1 Retail Only: Public Water Systems

Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
CA3310044	Rubidoux Community Services District	6,250	7,801
TOTAL		6,250	7,801

NOTES:

Table 2-2: Plan Identification

Select Only One <input type="checkbox"/>	Type of Plan	Name of RUWMP or Regional Alliance <i>if applicable</i> <i>drop down list</i>
<input checked="" type="checkbox"/>	Individual UWMP	
<input type="checkbox"/>	<input type="checkbox"/>	Water Supplier is also a member of a RUWMP
<input type="checkbox"/>	<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)	
NOTES:		

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables Are in Calendar Years
<input type="checkbox"/>	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF
NOTES:	

Table 2-4 Retail: Water Supplier Information Exchange

The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.

Wholesale Water Supplier Name *(Add additional rows as needed)*

NOTES: RCSD does not purchase wholesale water.

Table 3-1 Retail: Population - Current and Projected						
Population Served	2015	2020	2025	2030	2035	2040(<i>opt</i>)
	33,441	35,211	37,686	40,160	42,635	45,110
NOTES:						

Table 4-1 Retail: Demands for Potable and Raw Water - Actual

Use Type <i>(Add additional rows as needed)</i>	2015 Actual		
<p>Drop down list <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i></p>	Additional Description <i>(as needed)</i>	Level of Treatment When Delivered <i>Drop down list</i>	Volume
Single Family	All residential	Drinking Water	3,151
Commercial	Commercial, Industrial, Institutional	Drinking Water	995
Landscape	Includes construction use	Raw Water	631
Sales/Transfers/Exchanges to other agencies	Sales to JCSD	Drinking Water	1,837
Losses			1,187
TOTAL			7,801
NOTES:			

Table 4-2 Retail: Demands for Potable and Raw Water - Projected

Use Type <i>(Add additional rows as needed)</i>	Additional Description <i>(as needed)</i>	Projected Water Use <i>Report To the Extent that Records are Available</i>				
<u>Drop down list</u> <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>		2020	2025	2030	2035	2040-opt
Single Family	All residential	4,980	5,329	5,679	6,029	6,380
Commercial	Commercial, industrial, Institutional	1,572	1,683	1,794	1,904	2,014
Landscape	Includes construction use	637	643	649	655	662
Sales/Transfers/Exchanges to other agencies	Sales to JCSD	2,021	2,203	2,445	2,690	2,959
Losses		1,187	1,187	1,187	1,187	1,187
TOTAL		10,397	11,045	11,754	12,465	13,202
NOTES:						

Table 4-3 Retail: Total Water Demands

	2015	2020	2025	2030	2035	2040 (opt)
Potable and Raw Water <i>From Tables 4-1 and 4-2</i>	7,801	10,397	11,045	11,754	12,465	13,202
Recycled Water Demand* <i>From Table 6-4</i>	0	0	0	0	0	0
TOTAL WATER DEMAND	7,801	10,397	11,045	11,754	12,465	13,202

**Recycled water demand fields will be blank until Table 6-4 is complete.*

NOTES:

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss*
01/2015	1187
* Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.	
NOTES:	

Table 4-5 Retail Only: Inclusion in Water Use Projections

Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc... utilized in demand projections are found.	
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes

NOTES:

Table 5-1 Baselines and Targets Summary					
<i>Retail Agency or Regional Alliance Only</i>					
Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1999	2008	208	187	166
5 Year	2003	2007	210		
*All values are in Gallons per Capita per Day (GPCD)					
NOTES:					

Table 5-2: 2015 Compliance*Retail Agency or Regional Alliance Only*

Actual 2015 GPCD*	2015 Interim Target GPCD*	Optional Adjustments to 2015 GPCD <i>From Methodology 8</i>					2015 GPCD* <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
181	187				0	181	181	Yes

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

NOTES:

Table 6-1 Retail: Groundwater Volume Pumped

Table 6-1 Retail: Groundwater Volume Pumped						
<input type="checkbox"/>	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type <i>Drop Down List</i> <i>May use each category multiple times</i>	Location or Basin Name	2011	2012	2013	2014	2015
<i>Add additional rows as needed</i>						
Alluvial Basin	Riverside-Arlington Basin	6600	6786	6757	7063	7801
TOTAL		6,600	6,786	6,757	7,063	7,801
NOTES:						

Table 6-2 Retail: Wastewater Collected Within Service Area in 2015

<input type="checkbox"/> There is no wastewater collection system. The supplier will not complete the table below.						
Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>						
Percentage of 2015 service area population covered by wastewater collection system <i>(optional)</i>						
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i> <i>Drop Down List</i>
<i>Add additional rows as needed</i>						
Rubidoux Community Services District	Metered	2,212	City of Riverside	City of Riverside Regional Water Quality Control Plant	No	
Total Wastewater Collected from Service Area in 2015:		2,212				
NOTES:						

Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015

<input checked="" type="checkbox"/> No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.										
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional)	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level <i>Drop down list</i>	2015 volumes			
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
<i>Add additional rows as needed</i>										
Total							0	0	0	0
NOTES:										

Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area

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 below.									
Name of Agency Producing (Treating) the Recycled Water:									
Name of Agency Operating the Recycled Water Distribution System:									
Supplemental Water Added in 2015									
Source of 2015 Supplemental Water									
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment <i>Drop down list</i>	2015	2020	2025	2030	2035	2040 (opt)	
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									
Other (Provide General Description)									
Total:			0	0	0	0	0	0	0

*IPR - Indirect Potable Reuse

NOTES:

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual

<input checked="" type="checkbox"/>	Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type	2010 Projection for 2015	2015 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		
Other	<i>Type of Use</i>	
Total	0	0

NOTES:

Table 6-6 Retail: Methods to Expand Future Recycled Water Use

<input checked="" type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	Provide page location of narrative in UWMP		
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
<i>Add additional rows as needed</i>			
Total			0
NOTES:			

Table 6-7 Retail: Expected Future Water Supply Projects or Programs

<input checked="" type="checkbox"/>	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 below.					
<input type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Agency <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Agency Name</i>				
<i>Add additional rows as needed</i>						
NOTES:						

Table 6-8 Retail: Water Supplies — Actual

Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
<i>Drop down list</i> <i>May use each category multiple times.</i> <i>These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		Actual Volume	Water Quality <i>Drop Down List</i>	Total Right or Safe Yield <i>(optional)</i>
<i>Add additional rows as needed</i>				
Groundwater	Actual quantities pumped	7,170	Drinking Water	
Groundwater	Actual quantities pumped	631	Raw Water	
Total		7,801		0
NOTES:				

Table 6-9 Retail: Water Supplies — Projected

Projected Water Supply <i>Report To the Extent Practicable</i>											
Water Supply	Additional Detail on Water Supply	2020		2025		2030		2035		2040 (opt)	
<i>Drop down list</i> <i>May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
<i>Add additional rows as needed</i>											
Groundwater	Potable Wells	14,000		14,000		14,000		14,000		14,000	
Groundwater	Non-Potable Wells	3,000		3,000		3,000		3,000		3,000	
Total		17,000	0	17,000	0	17,000	0	17,000	0	17,000	0
NOTES: Volumes listed in this table are based on the District's maximum production capacity.											

Table 7-1 Retail: Basis of Water Year Data

Year Type	Base Year <i>If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000</i>	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	% of Average Supply
Average Year	2010	17000	100%
Single-Dry Year	1977	17000	100%
Multiple-Dry Years 1st Year	2013	17000	100%
Multiple-Dry Years 2nd Year	2014	17000	100%
Multiple-Dry Years 3rd Year	2015	17000	100%
Multiple-Dry Years 4th Year <i>Optional</i>			
Multiple-Dry Years 5th Year <i>Optional</i>			
Multiple-Dry Years 6th Year <i>Optional</i>			
<p>Agency may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If an agency uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.</p>			
<p>NOTES:</p>			

Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 <i>(Opt)</i>
Supply totals <i>(autofill from Table 6-9)</i>	17,000	17,000	17,000	17,000	17,000
Demand totals <i>(autofill from Table 4-3)</i>	10,397	11,045	11,754	12,465	13,202
Difference	6,603	5,955	5,246	4,535	3,798
NOTES:					

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals	17,000	17,000	17,000	17,000	17,000
Demand totals	10,397	11,045	11,754	12,465	13,202
Difference	6,603	5,955	5,246	4,535	3,798
NOTES:					

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	17,000	17,000	17,000	17,000	17,000
	Demand totals	10,397	11,045	11,754	12,465	13,202
	Difference	6,603	5,955	5,246	4,535	3,798
Second year	Supply totals	17,000	17,000	17,000	17,000	17,000
	Demand totals	10,397	11,045	11,754	12,465	13,202
	Difference	6,603	5,955	5,246	4,535	3,798
Third year	Supply totals	17,000	17,000	17,000	17,000	17,000
	Demand totals	10,397	11,045	11,754	12,465	13,202
	Difference	6,603	5,955	5,246	4,535	3,798
Fourth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Fifth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Sixth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0

NOTES:

**Table 8-1 Retail
Stages of Water Shortage Contingency Plan**

Complete Both		
Stage	Percent Supply Reduction ¹ <i>Numerical value as a percent</i>	Water Supply Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>		
1	25-40%	Voluntary rationing; reduction goal of 15%
2	40-50%	Voluntary rationing; reduction goal of 25%
3	50-60%	Mandatory rationing; reduction goal of 30%
4	60%+	Mandatory rationing; reduction goal of 40%
¹ <i>One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.</i>		
NOTES:		

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses

Stage	Restrictions and Prohibitions on End Users <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
<i>Add additional rows as needed</i>			
All	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
All	Landscape - Limit landscape irrigation to specific times		Yes
All	Landscape - Prohibit certain types of landscape irrigation		Yes
All	Other - Prohibit use of potable water for washing hard surfaces		Yes
All	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water		Yes
All	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Fix breaks w/in 24 hrs	Yes
All	Water Features - Restrict water use for decorative water features, such as fountains		Yes
3, 4	CII - Restaurants may only serve water upon request		Yes
3, 4	Other - Prohibit use of potable water for construction and dust control		Yes
3, 4	Other	Prohibit use for sewer system maint or fire protection training	Yes
NOTES:			

**Table 8-3 Retail Only:
Stages of Water Shortage Contingency Plan - Consumption Reduction Methods**

Stage	Consumption Reduction Methods by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>		
All Stages	Other	Demand reduction program
4	Other	Reduce pressure in water lines
4	Other	Flow restriction
2, 3, 4	Other	Restrict building permits
4	Other	Restrict for only priority uses
All Stages	Other	Use prohibitions
All Stages	Other	Water shortage pricing
4	Other	Per capita allotment by customer type
All Stages	Other	Plumbing fixture replacement
1, 2	Other	Voluntary rationing
3, 4	Other	Mandatory rationing
1, 2	Other	Incentives to reduce water consumption
All Stages	Other	Education program
2, 3, 4	Other	Percentage reduction by customer type
All Stages	Other	Use non-potable water for construction

NOTES:

Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	17,000	17,000	17,000
NOTES:			

Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Riverside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Jurupa Valley	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Riverside County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
San Bernardino County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

APPENDIX G
CLIMATE AND EVAPOTRANSPIRATION DATA

RIVERSIDE FIRE STA 3, CALIFORNIA (047470)

Period of Record Monthly Climate Summary

Period of Record : 01/01/1893 to 06/05/2016

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	66.8	68.3	71.3	75.6	80.0	87.0	94.2	94.4	90.9	82.9	74.5	67.8	79.5
Average Min. Temperature (F)	39.1	41.1	43.2	46.7	51.1	54.8	59.5	59.6	56.2	50.0	42.8	39.2	48.6
Average Total Precipitation (in.)	2.01	2.20	1.84	0.77	0.23	0.05	0.04	0.13	0.19	0.44	0.84	1.46	10.21
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.

Max. Temp.: 99.4% Min. Temp.: 99.3% Precipitation: 99.5% Snowfall: 97% Snow Depth: 97%

Check [Station Metadata](#) or [Metadata graphics](#) for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

California Irrigation Management Information System (CIMIS)

CIMIS Monthly Average ETo Report

Rendered in ENGLISH Units.

Printed on Wednesday, June 15, 2016

Average ETo Values by Station

Stn Id	Stn Name	CIMIS Region	Jan (in)	Feb (in)	Mar (in)	Apr (in)	May (in)	Jun (in)	Jul (in)	Aug (in)	Sep (in)	Oct (in)	Nov (in)	Dec (in)	Total (in)
44	U.C. Riverside	LAB	2.54	2.89	4.36	5.42	6.19	6.79	7.36	7.10	5.52	3.98	2.88	2.38	57.41

CIMIS Region Abbreviations		
BIS - Bishop	CCV - Central Coast Valleys	ICV - Imperial/Coachella Valley
LAB - Los Angeles Basin	MBY - Monterey Bay	NCV - North Coast Valleys
NEP - Northeast Plateau	SAV - Sacramento Valley	SBE - San Bernardino
SFB - San Francisco Bay	SJV - San Joaquin Valley	SFH - Sierra Foothill
SCV - South Coast Valleys		

APPENDIX H

SB X7-7 VERIFICATION FORM

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	6,511	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	1999	
	Year ending baseline period range ³	2008	
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.

NOTES:

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population (may check more than one)	
<input type="checkbox"/>	1. Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input type="checkbox"/>	2. Persons-per-Connection Method
<input checked="" type="checkbox"/>	3. DWR Population Tool
<input type="checkbox"/>	4. Other DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	24,856
Year 2	2000	25,367
Year 3	2001	25,850
Year 4	2002	26,340
Year 5	2003	26,824
Year 6	2004	27,305
Year 7	2005	27,780
Year 8	2006	28,251
Year 9	2007	28,717
Year 10	2008	29,179
<i>Year 11</i>		
<i>Year 12</i>		
<i>Year 13</i>		
<i>Year 14</i>		
<i>Year 15</i>		
5 Year Baseline Population		
Year 1	2003	26,824
Year 2	2004	27,305
Year 3	2005	27,780
Year 4	2006	28,251
Year 5	2007	28,717
2015 Compliance Year Population		
2015		33,441
NOTES:		

SB X7-7 Table 4: Annual Gross Water Use *

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Annual Gross Water Use
		Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	
10 to 15 Year Baseline - Gross Water Use							
Year 1	1999	5,466			-		5,466
Year 2	2000	5,631			-		5,631
Year 3	2001	5,922			-		5,922
Year 4	2002	6,733			-		6,733
Year 5	2003	6,113			-		6,113
Year 6	2004	6,595			-		6,595
Year 7	2005	6,304			-		6,304
Year 8	2006	6,841			-		6,841
Year 9	2007	6,894			-		6,894
Year 10	2008	6,511			-		6,511
Year 11	0	-			-		-
Year 12	0	-			-		-
Year 13	0	-			-		-
Year 14	0	-			-		-
Year 15	0	-			-		-
10 - 15 year baseline average gross water use							6,301
5 Year Baseline - Gross Water Use							
Year 1	2003	6,113			-		6,113
Year 2	2004	6,595			-		6,595
Year 3	2005	6,304			-		6,304
Year 4	2006	6,841			-		6,841
Year 5	2007	6,894			-		6,894
5 year baseline average gross water use							6,549
2015 Compliance Year - Gross Water Use							
2015		6,774	-		-		6,774
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3							
NOTES:							

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source		Source 1		
This water source is:				
<input type="checkbox"/>	The supplier's own water source			
<input type="checkbox"/>	A purchased or imported source			
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1999			-
Year 2	2000			-
Year 3	2001			-
Year 4	2002			-
Year 5	2003			-
Year 6	2004			-
Year 7	2005			-
Year 8	2006			-
Year 9	2007			-
Year 10	2008			-
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2003			-
Year 2	2004			-
Year 3	2005			-
Year 4	2006			-
Year 5	2007			-
2015 Compliance Year - Water into Distribution System				
2015				-
* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document				
NOTES:				

SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction (For use only by agencies that are deducting indirect recycled water)

Baseline Year <i>Fm SB X7-7 Table 3</i>	Surface Reservoir Augmentation					Groundwater Recharge			Total Deductible Volume of Indirect Recycled Water Entering the Distribution System
	Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility*	Transmission/ Treatment Losses	Recycled Volume Entering Distribution System from Groundwater Recharge	
10-15 Year Baseline - Indirect Recycled Water Use									
Year 1	1999		-		-			-	-
Year 2	2000		-		-			-	-
Year 3	2001		-		-			-	-
Year 4	2002		-		-			-	-
Year 5	2003		-		-			-	-
Year 6	2004		-		-			-	-
Year 7	2005		-		-			-	-
Year 8	2006		-		-			-	-
Year 9	2007		-		-			-	-
Year 10	2008		-		-			-	-
Year 11	0		-		-			-	-
Year 12	0		-		-			-	-
Year 13	0		-		-			-	-
Year 14	0		-		-			-	-
Year 15	0		-		-			-	-
5 Year Baseline - Indirect Recycled Water Use									
Year 1	2003		-		-			-	-
Year 2	2004		-		-			-	-
Year 3	2005		-		-			-	-
Year 4	2006		-		-			-	-
Year 5	2007		-		-			-	-
2015 Compliance - Indirect Recycled Water Use									
	2015		-		-			-	-
<p>*Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.</p> <p>NOTES:</p>									

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)

Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1999	24,856	5,466	196
Year 2	2000	25,367	5,631	198
Year 3	2001	25,850	5,922	205
Year 4	2002	26,340	6,733	228
Year 5	2003	26,824	6,113	203
Year 6	2004	27,305	6,595	216
Year 7	2005	27,780	6,304	203
Year 8	2006	28,251	6,841	216
Year 9	2007	28,717	6,894	214
Year 10	2008	29,179	6,511	199
<i>Year 11</i>	0	-	-	
<i>Year 12</i>	0	-	-	
<i>Year 13</i>	0	-	-	
<i>Year 14</i>	0	-	-	
<i>Year 15</i>	0	-	-	
10-15 Year Average Baseline GPCD				208
5 Year Baseline GPCD				
Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2003	26,824	6,113	203
Year 2	2004	27,305	6,595	216
Year 3	2005	27,780	6,304	203
Year 4	2006	28,251	6,841	216
Year 5	2007	28,717	6,894	214
5 Year Average Baseline GPCD				210
2015 Compliance Year GPCD				
2015		33,441	6,774	181
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day
Summary From Table SB X7-7 Table 5

10-15 Year Baseline GPCD	208
5 Year Baseline GPCD	210
2015 Compliance Year GPCD	181
NOTES:	

SB X7-7 Table 7: 2020 Target Method*Select Only One*

Target Method		Supporting Documentation
<input checked="" type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
<input type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator

NOTES:

SB X7-7 Table 7-A: Target Method 1

20% Reduction

10-15 Year Baseline GPCD	2020 Target GPCD
208	166
NOTES:	

SB X7-7 Table 7-E: Target Method 3

Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
<input type="checkbox"/>		North Coast	137	130
<input type="checkbox"/>		North Lahontan	173	164
<input type="checkbox"/>		Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		Central Coast	123	117
<input type="checkbox"/>		Tulare Lake	188	179
<input type="checkbox"/>		South Lahontan	170	162
<input type="checkbox"/>		South Coast	149	142
<input type="checkbox"/>		Colorado River	211	200
<p align="center">Target <i>(If more than one region is selected, this value is calculated.)</i></p>				0
<p>NOTES:</p>				

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD <i>From SB X7-7 Table 5</i>	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
210	200	166	166

¹ Maximum 2020 Target is 95% of the 5 Year Baseline 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.

NOTES:

SB X7-7 Table 8: 2015 Interim Target GPCD

Confirmed 2020 Target <i>Fm SB X7-7 Table 7-F</i>	10-15 year Baseline GPCD <i>Fm SB X7-7 Table 5</i>	2015 Interim Target GPCD
166	208	187

NOTES:

SB X7-7 Table 9: 2015 Compliance

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments <i>(in GPCD)</i>					2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015?
		Enter "0" if Adjustment Not Used			TOTAL Adjustments	Adjusted 2015 GPCD		
		Extraordinary Events	Weather Normalization	Economic Adjustment				
181	187	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	-	181	181	YES

NOTES:

APPENDIX I

RCSD WATER AUDIT REPORT FOR REPORTING YEAR 2015



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association
Copyright © 2014, All Rights Reserved

? Click to access definition
+ Click to add a comment

Water Audit Report for: **Rubidoux Community Services District (CA3310044)**
Reporting Year: **2015** **1/2015 - 12/2015**

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 input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

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

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

WATER SUPPLIED

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

Volume from own sources:	+ ? 8	7,169.840	acre-ft/yr
Water imported:	+ ? n/a	0.000	acre-ft/yr
Water exported:	+ ? 8	1,836.700	acre-ft/yr

Master Meter and Supply Error Adjustments

Pcnt:	Value:	acre-ft/yr
+ ? 4	<input type="radio"/> <input checked="" type="radio"/>	
+ ?	<input type="radio"/> <input checked="" type="radio"/>	
+ ? n/a	<input type="radio"/> <input checked="" type="radio"/>	

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

WATER SUPPLIED: **5,333.140** acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	+ ? 9	4,146.280	acre-ft/yr
Billed unmetered:	+ ? n/a	0.000	acre-ft/yr
Unbilled metered:	+ ? 9	0.000	acre-ft/yr
Unbilled unmetered:	+ ? 8	0.010	acre-ft/yr

Click here: ?
for help using option buttons below

Pcnt: Value: acre-ft/yr
 0.010

Use buttons to select percentage of water supplied OR value

AUTHORIZED CONSUMPTION: **4,146.290** acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

1,186.850 acre-ft/yr

Apparent Losses

Unauthorized consumption:	+ ? 7	0.001	acre-ft/yr
Customer metering inaccuracies:	+ ? 8	0.000	acre-ft/yr
Systematic data handling errors:	+ ? 8	0.001	acre-ft/yr

Pcnt: Value: acre-ft/yr
 0.001

0.001

Apparent Losses: **0.002** acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **1,186.848** acre-ft/yr

WATER LOSSES: **1,186.850** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **1,186.860** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ? 8	70.0	miles
Number of active AND inactive service connections:	+ ? 9	6,425	
Service connection density:	? 92		conn./mile main

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

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

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

Average operating pressure: psi

COST DATA

Total annual cost of operating water system:	+ ? 8	\$8,432,355	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ? 8	\$1.77	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ? 8	\$530.00	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 81 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: Unauthorized consumption
- 3: Customer metering inaccuracies

APPENDIX J

- **DISTRICT RESOLUTION NO. 2015-820**
- **NO WASTE ORDINANCE (DRAFT)**
- **RESOLUTION TO DECLARE A WATER SHORTAGE EMERGENCY (DRAFT)**
- **MORATORIUM ON NEW CONNECTIONS DURING A WATER SHORTAGE (DRAFT)**

DISTRICT RESOLUTION NO. 2015-820

RESOLUTION NO. 2015-820

**RESOLUTION OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT
RESCINDING RESOLUTION 2015-817 AND DECLARING A MODIFIED STAGE 2
DROUGHT CONTINGENCY PURSUANT TO THE DISTRICT'S WATER SHORTAGE
CONTINGENCY PLAN**

WHEREAS, The Rubidoux Community Services District ("District") serves more than 3,000 customers, is an "urban water supplier" as defined in Water Code section 10617, and is subject to the Urban Water Management Planning Act; and

Whereas, pursuant to the Urban Water Management Planning Act, the District has prepared an Urban Water Management Plan ("UWMP"), which includes the District's Water Shortage Contingency Plan ("WSCP"); and

Whereas, the District, benefitting from the foresight of its founders and the planning of its Board through the years, has secured an adequate and stable supply of groundwater for its citizens; and

Whereas, as a result, the District is not directly vulnerable to imported and surface water shortages and is less vulnerable to drought than many other areas; and

Whereas, the District's current WSCP addresses conservation measures directly related to District supply shortages; and

Whereas, California is currently in the fourth year of a significant drought resulting in severe impacts to California's water supplies and its ability to meet all of the demands for water in the State; and

Whereas, on January 17, 2014, Governor Edmund G. Brown, Jr. declared a drought state of emergency, and due to continuing dry conditions, a continued state of emergency was declared on April 1, 2015; and

Whereas, Water Code section 1058.5 grants the State Water Resources Control Board ("SWRCB") the authority to adopt emergency regulations in years when the Governor has issued a proclamation of emergency based upon drought conditions; and

Whereas, on July 15, 2014 the SWRCB formally adopted emergency rulemaking to enact emergency regulations for urban water suppliers; and

Whereas, in response to the emergency regulations adopted by the SWRCB, on January 15, 2015, the District Board of Directors adopted resolution 2015-817 implementing the regulations adopted by the SWRCB; and

Whereas, on March 17, 2015, and May 5, 2015, the SWRCB formally adopted additional emergency regulations for urban water suppliers due to the continuing drought conditions; and

Whereas, the SWRCB emergency regulations prohibit certain type of potable water use, order all water suppliers to implement mandatory conservation measures, and order water suppliers with 3,000 or more service connections to provide monthly data on water production; and

Whereas, the SWRCB emergency regulations further mandate that each urban water supplier shall implement all requirements and actions of the stage of its water shortage contingency plan that imposes mandatory restrictions on outdoor irrigation; and

Whereas, the additional emergency regulations adopted by the SWRCB make it necessary to adopt a new resolution to replace Resolution 2015-817 to supplement the additional regulations; and

Whereas, the District is currently able to meet all of its water demands, and therefore the District is unable to adopt a Resolution implementing the mandatory restrictions on outdoor irrigation set forth in the WSCP unless modifications are made; and

Whereas, the District Board of Directors now wishes to declare a modified Stage 2 water shortage contingency active to comply with the emergency drought regulations adopted by the SWRCB.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED THAT THE BOARD OF DIRECTORS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT that, Resolution 2015-817 is rescinded in its entirety; and

BE IT FURTHER RESOLVED, that the Rubidoux Community Services District Board of Directors does hereby declare a Stage 2 water shortage contingency active, as further modified as follows:

- A. To promote water conservation, **each of the flowing actions is prohibited**, except where necessary to address an immediate health and safety need or comply with a term or condition in a permit issued by a state or federal agency;
1. Outdoor watering of ornamental landscapes or turf between the hours of 10:00 AM and 6:00 PM;
 2. Outdoor watering of ornamental landscapes or turf of more than two (2) days per week;
 3. Outdoor watering of ornamental landscapes or turf of more than thirty (30) minutes per station for drip irrigation systems, and twenty (20) minutes per station for stream irrigation systems;
 4. Outdoor watering of ornamental landscapes or turf during or within forty-eight (48) hours after measurable rainfall;
 5. Watering of outdoor landscapes that cause runoff such that water flows onto adjacent property, non-irrigated areas, private or public walkways, roadways, parking lots, or structures;
 6. Using hoses that dispense potable water, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use;
 7. Using potable water in a fountain or decorative water feature, unless the water is recirculated;
 8. Draining or refilling swimming pools (maintaining water level is acceptable) without the written approval of the District's General Manager;
 9. Not covering a swimming pool when not in use;
 10. Swimming pool construction without the written approval of the District's General Manager;

11. Serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drinks are served and/or purchased; and
12. Washing of driveways & sidewalks.

B. The taking of any action in subdivision "A", in addition to any other civil or criminal penalties, is an infraction, punishable by fine of up to five hundred dollars (\$500.00) for each day in which the violation occurs.

BE IT FURTHER RESOLVED, that the District Board of Directors re-emphasizes the use of non-potable water for construction water purposes in accordance with District Resolution 657, which was adopted on May 16, 1996, and attached hereto as Exhibit "A".

BE IT FURTHER RESOLVED, that this Resolution shall become effective immediately.


PASSED AND ADOPTED by the Rubidoux Community Services District Board of Directors at a regular meeting held this 18th day of June, 2015, by the following vote:

AYES: John Skerbelis, Armando Muniz, Ruth Anderson Wilson,
F. Forest Trowbridge, Ted Melms

NOES: None

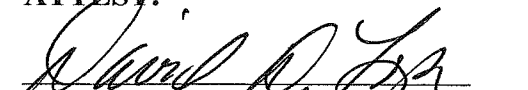
ABSENT: None

ABSENTIONS: None




John Skerbelis, President
Rubidoux Community Services District

ATTEST:



David D. Lopez, General Manager
And Secretary to the Board

APPROVED AS TO FORM AND CONTENT:



John R. Harper, General Counsel

(SEAL)

NO WASTE ORDINANCE (DRAFT)

NO WASTE ORDINANCE (DRAFT)

RUBIDOUX COMMUNITY SERVICES DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

Date

The District Board of Directors of the Rubidoux Community Services District does hereby resolve as follows:

PROHIBITING WASTEFUL USE OF WATER

REGULATIONS AND RESTRICTIONS ON WATER USE

It is hereby resolved by the District Board of Directors that in order to conserve the District's water supply for the greatest public benefit, and to reduce the quantity of water used by the District's customers, that wasteful use of water should be eliminated. Customers of the District shall observe the following regulations and restrictions on water use:

1. No customer shall waste water. As used herein, the term "waste" means:
 - a. Use of potable water to irrigate turf, ground-cover, shrubbery, crops, vegetation, and trees (agricultural accounts are excluded from the time of irrigation restriction) between the hours of 10:00 o'clock A.M. and 6:00 o'clock P.M. or in such a manner as to result in runoff for more than five (5) minutes;
 - b. Use of potable water to wash sidewalks, walkways, driveways, parking lots, open ground or other hard surfaced areas except where necessary for public health or safety;
 - c. Allowing potable water to escape from breaks within the customer's plumbing system for more than twenty-four (24) hours after the customer is notified or discovers the break;
 - d. Washing cars, boats, trailers, aircraft, or other vehicles by hose without a shutoff nozzle and bucket except to wash such vehicles at commercial or fleet vehicle washing facilities using water recycling equipment;
 - e. Use of potable water to clean, fill or maintain decorative fountains, lakes or ponds unless such water is recycled.

2. The following restrictions are effective during a declared Water-Shortage Emergency:
 - a. No restaurant, hotel, cafe, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any customer unless expressly requested;
 - b. Use of potable water for street or parking lot sweeping, building washdown where non-potable or recycled water is sufficient;
 - c. Use of potable water for sewer system maintenance or fire protection training without prior approval by the General Manager;
 - d. Use of potable water for any purpose in excess of the amounts allocated for each class of service.

3. Other restrictions may be necessary during a declared Water Shortage Emergency, to safeguard the adequacy of the water supply for domestic, sanitation, fire protection, and environmental requirements.

ENFORCEMENT

Any customer violating the regulations and restrictions on water use set forth in this chapter shall receive a written warning for the first such violation. Upon a second violation, the customer shall receive a written warning and the district may cause a flow-restrictor to be installed in the service. If a flow-restrictor is placed, the cost of installation and removal shall be paid by the violator. Any willful violation occurring subsequent to the issuance of the second written warning shall constitute a misdemeanor and may be referred to the County District Attorney's Office for prosecution. The district may also disconnect the water service. If water service is disconnected, it shall be restored only upon payment of the turn-on charge fixed by the Board of Directors.

PENALTY FOR VIOLATIONS

Except as provided in the enforcement section for the first and second violations any person, firm, partnership, association, corporation or political entity violating or causing or permitting the violation of any of the provisions of this section or providing false information to the district in response to district's requests for information needed by the district to calculate consumer water allotments shall be guilty of a misdemeanor punishable by imprisonment in the county jail for not more that thirty days or by a fine not exceeding one thousand dollars or both. Each separate day or portion thereof in which any violation occurs or continues without a good faith effort by the responsible party to correct the violation shall constitute a separate offense and, upon conviction thereof, shall be separately punishable.

APPEALS

Variances from the requirements of this Section may be granted by the Board of Directors only after denial of a variance request by the general manager. Appeals of variance request denials shall be made in writing to the secretary of the Board at least 2 weeks prior to the meeting at which they will be heard. Upon granting any appeal, the Board of directors may impose any conditions it determines to be just and proper. Variances granted by the Board shall be prepared in writing, then furnished to the applicant. The board of Directors may require it to be recorded at applicant's expense.

REMEDIES/CUMULATIVE

The remedies available to the district to enforce this ordinance are in addition to any other remedies available under the district's code or any state statutes or regulations, and do not replace or supplant any other remedy, but are cumulative.

RESOLUTION TO DECLARE A WATER SHORTAGE EMERGENCY (DRAFT)

RESOLUTION TO DECLARE A WATER SHORTAGE EMERGENCY (DRAFT)

RUBIDOUX COMMUNITY SERVICES DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

Date

The District Board of Directors of the Rubidoux Community Services District does hereby resolve as follows:

PURSUANT to California Water Code Section 350 et seq., the Board has conducted duly noticed public hearings to establish the criteria under which a water shortage emergency may be declared.

WHEREAS, the Board finds, determines and declares as follows:

- (a) The District is the water purveyor for the property owners and inhabitants of Rubidoux;
- (b) The demand for water service is not expected to lessen;
- (c) When the combined total amount of water supply available to the District from all sources falls at or below the Stage 3 triggering levels described in the Urban Water Management Plan (2005 Update), the District will declare a water shortage emergency. The water supply would not be adequate to meet the ordinary demands and requirements of water consumers without depleting the District's water supply to the extent that there may be insufficient water for human consumption, sanitation, fire protection, and environmental requirements. This condition is likely to exist until precipitation and inflow dramatically increases or until water system damage resulting from a disaster are repaired and normal water service is restored.

NOW, THEREFORE, BE IT RESOLVED that the District Board of Directors of the Rubidoux Community Services District hereby directs the General Manager to find, determine, declare and conclude that a water shortage emergency condition exists that threatens the adequacy of water supply, until the District's water supply is deemed adequate. After the declaration of a water shortage emergency, the General Manager is directed to determine the appropriate Rationing Stage and implement the District's Water Shortage Emergency Response.

FURTHERMORE, the Board shall periodically conduct proceedings to determine additional restrictions and regulations which may be necessary to safeguard the adequacy of the water supply for domestic, sanitation, fire protection, and environmental requirements.

MORATORIUM ON NEW CONNECTIONS DURING A WATER SHORTAGE (DRAFT)

MORATORIUM ON NEW CONNECTIONS DURING A WATER SHORTAGE (DRAFT)

RUBIDOUX COMMUNITY SERVICES DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

Date

The District Board of Directors of the Rubidoux Community Services District does hereby resolve as follows:

The Municipal Code of the Rubidoux Community Services District is hereby amended to read as follows:

XX-1 MORATORIUM ON SERVICE COMMITMENTS AND CONNECTIONS

1. When the District declares a water shortage emergency, the following regulations shall become effective immediately and shall continue in full force and effect to prohibit the following while it remains in full force and effect:
 - a. The District shall not issue oral or written commitments to provide new or expanded water service, including will-serve letters.
 - b. The District shall not sell meters for water service connections, despite the prior issuance of will-serve letters or other oral or written service commitments, unless building permits have been issued.
 - c. The District shall not provide new or expanded water service connections, despite the prior issuance of will-serve letters or other oral or written service commitments and meters, unless building permits have been issued.
 - d. The District shall not provide water for use on any new plantings installed after the declaration of a Water Shortage Emergency.
 - e. The District shall not annex territory located outside the District's service boundary.
2. The following uses are exempt from the moratorium and upon application to the District shall receive necessary water service commitments and connections to receive water from the District:
 - a. Uses, including but not limited to, commercial, industrial, single and multifamily residential, for which a building permit has been issued by the District on or before the declaration of a Water Shortage Emergency.
 - b. Uses, including but not limited to, commercial, industrial, single and multifamily residential, for which a retail meter had been purchased from the District before the declaration of a Water Shortage Emergency, as evidenced by a written receipt and for which a building permit has been issued and remains in full force and effect.
 - c. Publicly owned and operated facilities, including but not limited to schools, fire stations, police stations, and hospitals and other facilities as necessary to protect the public health, safety, and welfare.

APPENDIX K

JUDGMENT CASE NO. 78426, APRIL 17, 1969

F I L E D
RIV: RIVERSIDE COUNTY

APR 17 1959

DONALD D. [Signature], Clerk
By [Signature] Deputy

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF RIVERSIDE

WESTERN MUNICIPAL WATER DISTRICT OF
RIVERSIDE COUNTY, a municipal water
district; CITY OF RIVERSIDE, a
municipal corporation; THE GAGE
CANAL COMPANY, a corporation; AGUA
MANSA WATER COMPANY, a corporation,
MEEKS & DALEY WATER COMPANY, a
corporation; RIVERSIDE HIGHLAND
WATER COMPANY, a corporation, and
THE REGENTS OF THE UNIVERSITY OF
CALIFORNIA,

Plaintiffs,

-vs-

(A) EAST SAN BERNARDINO COUNTY
WATER DISTRICT, et al.,

Defendants

78426
No. 784726
J.P.M.
4/17/69
JUDGMENT

TABLE OF CONTENTS

1			
2	RECITALS		
3			<u>Page</u>
4	I	Active Parties	5
5	II	Dismissed Parties	5
6	III	Prior Judgments	6
7	IV	Definitions	7
8	V	Extractions from the San Bernardino Basin Area	10
9	VI	San Bernardino Basin Area Rights and Replenishment	10
10			
11	VII	Water Discharged Across the Bunker Hill Dike	16
12	VIII	Extractions from Colton Basin Area and Riverside Basin Area in San Bernardino County	16
13			
14	IX	Extractions from the Portion of Riverside Basin Area in Riverside County which is tributary to Riverside Narrows.	20
15			
16			
17	X	Replenishment to Offset New Exports of Water to Areas not Tributary to Riverside Narrows.	21
18			
19	XI	Replenishment Credits and Adjustment for Quality	22
20	XII	Conveyance of Water by San Bernardino Valley to Riverside Narrows.	24
21			
22	XIII	Watermaster	25
23	XIV	Continuing Jurisdiction of the Court	27
24	XV	Saving Clauses	29
25	XVI	Effective Date	31
26	XVII	Costs	31
27	APPENDIX A --	Map showing San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area situated within San Bernardino County; Riverside Basin Area within Riverside County; Bunker Hill Dike; Riverside Narrows; and	
28			
29			
30			
31			
32			

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

Boundaries of San Bernardino
Valley Municipal Water
District & Western Municipal
Water District of Riverside
County

APPENDIX B -- Extractions by Plaintiffs from San
Bernardino Basin Area.

APPENDIX C -- Exports for Use on Lands not
Tributary to Riverside Narrows

APPENDIX D -- Miscellaneous Data

1 RECITALS

2
3 (a) Complaint. The complaint in this action was
4 filed by certain parties exporting water from the area defined
5 herein as the San Bernardino Basin Area for use within Western,
6 and sought a general adjudication of water rights.

7 (b) Orange County Water District Action.
8 Subsequently the Orange County Water District filed an action
9 for the adjudication of the water rights of substantially all
10 water users in the area tributary to Prado Dam in the Santa
11 Ana River Watershed. A decree of physical solution has been
12 entered in such action whereby individual water users were
13 dismissed, and San Bernardino Valley and Western assumed
14 responsibility for the deliveries of certain flows at Riverside
15 Narrows and Prado respectively.

16 (c) Physical Solution. The Judgment herein will
17 further implement the physical solution in the Orange County
18 Water District action, as well as determine the rights of
19 the hereinafter named Plaintiffs to extract water from the San
20 Bernardino Basin Area, and provide for replenishment of the
21 area above Riverside Narrows. Such Judgment is fair and
22 equitable, in the best interests of the parties, and in
23 furtherance of the water policy of the State. San Bernardino
24 Valley has the statutory power and resources to effectuate
25 this Judgment and accordingly the other defendants may be
26 dismissed.

27 (d) Stipulation. The parties named herein through
28 their respective counsel have proposed and filed a written
29 stipulation agreeing to the making and entry of this Judgment.
30 By reason of such stipulation, and good cause appearing
31
32

1 therefor,

2

3

IT IS HEREBY ORDERED, ADJUDGED AND DECREED as follows:

4

5

I

6

ACTIVE PARTIES

7

8

(a) The parties to this Judgment are as follows:

9

(1) Plaintiff Western Municipal Water District of Riverside County, a California municipal water district, herein often called "Western", appearing and acting pursuant to Section 71751 of the Water Code;

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

(2) Plaintiff City of Riverside, a municipal corporation;

(3) Plaintiffs Riverside Highland Water Company, Agua Mansa Water Company and Meeks & Daley Water Company, each of which is a mutual water company and a California corporation;

(4) Plaintiff The Regents of the University of California, a California public corporation;

(5) Defendant San Bernardino Valley Municipal Water District, a California municipal water district, herein often called "San Bernardino Valley", appearing and acting pursuant to Section 71751 of the Water Code;

(b) This Judgment shall inure to the benefit of, and be binding upon, the successors and assigns of the parties.

32

II

33

DISMISSED PARTIES

34

35

36

All parties other than those named in the preceding Paragraph I are dismissed without prejudice.

1
2 III
3 PRIOR JUDGMENTS

4 (a) The Judgment dated and entered on May 13, 1959,
5 in that certain action filed in the Superior Court of the
6 State of California in and for the County of San Bernardino,
7 entitled and numbered "San Bernardino Valley Water
8 Conservation District, a State Agency, Plaintiff v. Riverside
9 Water Company, a corporation, et al., Defendants", No. 97031,
10 is superseded effective January 1, 1971, and for so long as
11 this Judgment remains in effect as to any party hereto that was
12 a party to that action, and as to any party hereto that is a
13 successor in interest to the rights determined in that action.

14 (b) The Judgment dated June 23, 1965, and entered
15 on April 21, 1966, in that certain action filed in the Superior
16 Court of the State of California in and for the County of San
17 Bernardino entitled and numbered "San Bernardino Valley Water
18 Conservation District, a State Agency, Plaintiff, v. Riverside
19 Water Company, a corporation, et al., Defendants," No. 111614,
20 is superseded effective January 1, 1971, and for so long as
21 this Judgment remains in effect as to any party hereto that was
22 a party to that action, and as to any party hereto that is a
23 successor in interest to any rights determined in that action.

24 (c) As used in this Paragraph III only, "party"
25 includes any person or entity which stipulates with the parties
26 hereto to accept this Judgment.
27
28
29
30
31
32

1 IV

2 DEFINITIONS

3
4 The following ground water basins and tributary areas
5 are situated within the Santa Ana River watershed upstream from
6 Riverside Narrows and are tributary thereto, and their
7 approximate locations and boundaries for purposes of this
8 Judgment are shown upon the map attached hereto as Appendix "A";
9 San Bernardino Basin Area (the area above Bunker Hill Dike,
10 but excluding certain mountainous regions and the Yucaipa,
11 San Timoteo, Oak Glen and Beaumont Basins); Colton Basin Area,
12 Riverside Basin Area within San Bernardino County, and
13 Riverside Basin Area within Riverside County.

14 As used herein the following terms shall have the
15 meanings herein set forth:

16 (a) Bunker Hill Dike - The San Jacinto Fault,
17 located approximately as shown on Appendix "A", and forming
18 the principal downstream boundary of the San Bernardino Basin
19 Area.

20 (b) Riverside Narrows - That bedrock narrows in the
21 Santa Ana River indicated on Appendix "A".

22 (c) Extractions - Any form of the verb or noun
23 shall include pumping, diverting, taking or withdrawing water,
24 either surface or subsurface, by any means whatsoever, except
25 extractions for hydroelectric generation to the extent that
26 such flows are returned to the stream, and except for diversions
27 for replenishment.

28 (d) Natural Precipitation - Precipitation which
29 falls naturally in the Santa Ana River watershed.

30 (e) Imported Water - Water brought into the Santa
31 Ana River watershed from sources of origin outside such
32 watershed.

1 (f) Replenishment - Artificial recharge of the
2 ground water body achieved through the spreading or retention of
3 water for the purpose of causing it to percolate and join the
4 underlying ground water body, or injection of water into the
5 ground water resources by means of wells; provided that as used
6 with reference to any obligation of Western to replenish the
7 Riverside Basin Area in Riverside County, the term replenishment
8 shall include any water caused to be delivered by Western for
9 which credit is received by San Bernardino Valley against its
10 obligation under the Orange County Judgment to provide base
11 flow at Riverside Narrows.

12 (g) Safe Yield - Safe yield is that maximum
13 average annual amount of water that could be extracted from the
14 surface and subsurface water resources of an area over a period
15 of time sufficiently long to represent or approximate long-time
16 mean climatological conditions, with a given areal pattern of
17 extractions, under a particular set of physical conditions or
18 structures as such affect the net recharge to the ground water
19 body, and with a given amount of usable underground storage
20 capacity, without resulting in long-term, progressive lowering
21 of ground water levels or other undesirable result. In
22 determining the operational criteria to avoid such adverse
23 results, consideration shall be given to maintenance of adequate
24 ground water quality, subsurface outflow, costs of pumping,
25 and other relevant factors.

26 The amount of safe yield is dependent in part upon
27 the amount of water which can be stored in and used from the
28 ground water reservoir over a period of normal water supply
29 under a given set of conditions. Safe yield is thus related to
30 factors which influence or control ground water recharge, and
31

1 to the amount of storage space available to carry over recharge
2 occurring in years of above average supply to years of
3 deficient supply. Recharge, in turn, depends on the available
4 surface water supply and the factors influencing the
5 percolation of that supply to the water table.

6 Safe yield shall be determined in part through the
7 evaluation of the average net groundwater recharge which would
8 occur if the culture of the safe yield year had existed over
9 a period of normal native supply.

10 (h) Natural Safe Yield - That portion of the safe
11 yield of the San Bernardino Basin Area which could be derived
12 solely from natural precipitation in the absence of imported
13 water and the return flows therefrom, and without
14 contributions from new conservation. If in the future any
15 natural runoff tributary to the San Bernardino Basin Area is
16 diverted away from that Basin Area so that it is not included
17 in the calculation of natural safe yield, any replacement made
18 thereof by San Bernardino Valley or entities within it from
19 imported water shall be included in such calculation.

20 (i) New Conservation - Any increase in
21 replenishment from natural precipitation which results from
22 operation of works and facilities not now in existence, other
23 than those works installed and operations which may be
24 initiated to offset losses caused by increased flood control
25 channelization.

26 (j) Year - A calendar year from January 1 through
27 December 31. The term "annual" shall refer to the same period
28 of time.

29 (k) Orange County Judgment - The final judgment
30 in Orange County Water District v. City of Chino, et al.,
31 Orange County Superior Court No. 117628, as it may from time to
32

1 time be modified.

2 (l) Return Flow - That portion of the water
3 applied for use in any particular ground water basin which
4 subsequently reaches the ground water body in that basin.

5 (m) Five Year Period - a period of five consecutive
6 years.

7 V

8 EXTRACTIONS FROM THE SAN BERNARDINO BASIN AREA

9
10 (a) For Use by Plaintiffs. The average annual
11 extractions from the San Bernardino Basin Area delivered for
12 use in each service area by each Plaintiff for the five year
13 period ending with 1963 are hereby determined to be as set forth
14 in Table B-1 of Appendix "B". The amount for each such
15 Plaintiff delivered for use in each service area as set forth
16 in Table B-1 shall be designated, for purposes of this Judgment,
17 as its "base right" for such service area.

18 (b) For Use by Others. The total actual average
19 annual extractions from the San Bernardino Basin Area by
20 entities other than Plaintiffs for use within San Bernardino
21 County for the five year period ending with 1963 are assumed
22 to be 165,407 acre feet; the correct figure shall be
23 determined by the Watermaster as herein provided.

24
25 VI

26 SAN BERNARDINO BASIN AREA RIGHTS AND REPLENISHMENT

27
28 (a) Determination of Natural Safe Yield. The
29 natural safe yield of the San Bernardino Basin Area shall be
30 computed by the Watermaster, reported to and determined
31 initially by supplemental order of this Court, and thereafter

1 shall be subject to the continuing jurisdiction thereof.

2 (b) Annual Adjusted Rights of Plaintiffs.

3 1. The annual "adjusted right" of each
4 Plaintiff to extract water from the San Bernardino
5 Basin Area for use in each service area designated
6 in Table B-1 shall be equal to the sum of the
7 following:

8 (a) its base right for such service area, until
9 the natural safe yield of the San Bernardino Basin
10 Area is determined, and thereafter its percentage
11 of such natural safe yield determined by the
12 methods used in Table B-2; and (b) an equal
13 percentage for each service area of any new
14 conservation, provided the conditions of the
15 subparagraph 2 below have been met.

16 2. In order that the annual adjusted
17 right of each such Plaintiff shall include its
18 same respective percentage of any new conservation,
19 such Plaintiff shall pay its proportionate share
20 of the costs thereof: Each Plaintiff shall have
21 the right to participate in new conservation projects,
22 under procedures to be determined by the Watermaster
23 for notice to Plaintiffs of the planned construction
24 of such projects. With respect to any new
25 conservation brought about by Federal installations,
26 the term "costs" as used herein shall refer to any
27 local share required to be paid in connection with
28 such project. Each Plaintiff shall make its
29 payment at times satisfactory to the constructing
30 agency, and new conservation shall be credited to
31 any participating Plaintiff as such conservation is
32 effected.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

3. In any five year period, each Plaintiff shall have the right to extract from the San Bernardino Basin Area for use in each service area designated in Table B-1 an amount of water equal to five times its adjusted right for such service area; provided, however, that extractions by each Plaintiff in any year in any service area shall not exceed such Plaintiff's adjusted right for that service area by more than 30 percent.

4. If the natural safe yield of the San Bernardino Basin Area has not been determined by January 1, 1972, the initial determination thereof shall be retroactive to that date and the rights of the Plaintiffs, and the replenishment obligation of San Bernardino Valley as hereinafter set forth, shall be adjusted as of such date. Any excess extractions by Plaintiffs shall be charged against their respective adjusted rights over the next five year period, or in the alternative, Plaintiffs may pay to San Bernardino Valley the full cost of any replenishment which it has provided as replenishment for such excess extractions. Any obligation upon San Bernardino Valley to provide additional replenishment, by virtue of such retroactive determination of natural safe yield, may also be discharged over such next five year period.

5. Plaintiffs and each of them and their agents and assigns are enjoined from extracting any more water from the San Bernardino Basin Area than is permitted under this Judgment. Changes in place

1 of use of any such water from one service area to
2 another shall not be made without the prior
3 approval of Court upon a finding of compliance
4 with Paragraph XV(b) of this Judgment. So long
5 as San Bernardino Valley is in compliance with all
6 its obligations hereunder, and Plaintiffs are
7 allowed to extract the water provided for in this
8 Judgment, Plaintiffs are further enjoined from
9 bringing any action to limit the water extracted
10 from the San Bernardino Basin Area for use within
11 San Bernardino Valley.

12 6. Nothing in this Judgment shall
13 prevent future agreements between San Bernardino
14 Valley and Western under which additional
15 extractions may be made from the San Bernardino Basin
16 Area, subject to the availability of imported water
17 not required by San Bernardino Valley, and subject
18 to payment satisfactory to San Bernardino Valley
19 for replenishment required to compensate for such
20 additional extractions.

21
22 (c) San Bernardino Valley Replenishment. San
23 Bernardino Valley shall provide imported water for
24 replenishment of the San Bernardino Basin Area at least equal
25 to the amount by which extractions therefrom for use within
26 San Bernardino County exceed during any five year period the
27 sum of: (a) five times the total average annual extractions
28 determined under Paragraph V(b) hereof, adjusted as may be
29 required by the natural safe yield of the San Bernardino Basin
30 Area; and (b) any new conservation to which users within San
31 Bernardino Valley are entitled. Such replenishment shall be

1 supplied in the year following any five year period; provided
2 that during the first five year period, San Bernardino Valley
3 shall supply annual amounts on account of its obligations
4 hereunder, and such amounts shall be not less than fifty
5 percent of the gross amount of excess extractions in the
6 previous year.

7 1. Against its replenishment obligation
8 over any five year period San Bernardino Valley shall
9 receive credit for that portion of such excess
10 extractions that returns to the ground water of the
11 San Bernardino Basin Area.

12 2. San Bernardino Valley shall also
13 receive credit against any future replenishment
14 obligations for all replenishment which it provides
15 in excess of that required herein, and for any
16 amounts which may be extracted without replenishment
17 obligation, which in fact are not extracted.

18 (d) In this subparagraph (d), "person" and "entity"
19 mean only those persons and entities, and their successors
20 in interest, which have stipulated with the parties to this
21 Judgment within six months after its entry to accept this
22 Judgment.

23 San Bernardino Valley agrees that the base rights of
24 persons or entities other than Plaintiffs to extract water
25 from the San Bernardino Basin Area for use within San
26 Bernardino Valley will be determined by the average annual
27 quantity extracted by such person or entity during the five
28 year period ending with 1963. After the natural safe yield
29 of the San Bernardino Basin Area is determined hereunder, such
30
31
32

1 base rights will be adjusted to such natural safe yield; the
2 adjusted right of each such person or entity shall be that
3 percentage of natural safe yield as determined hereunder from
4 time to time which the unadjusted right of such person or
5 entity is of the amount determined under Paragraph V(b).

6 San Bernardino Valley further agrees that in the
7 event the right to extract water of any of such persons or
8 entities in the San Bernardino Basin Area is adjudicated and
9 legal restrictions placed on such extractions which prevent
10 extracting of water by said persons or entities in an amount
11 equal to their base rights, or after natural safe yield is
12 determined, their adjusted rights, San Bernardino Valley will
13 furnish to such persons or entities or recharge the ground
14 water resources in the area of extraction for their benefit
15 with imported water, without direct charge to such persons or
16 entities therefor, so that the base rights, or adjusted
17 rights, as the case may be, may be taken by the person or
18 entity.

19 Under the provisions hereof relating to furnishing
20 of such water by San Bernardino Valley, such persons or
21 entities shall be entitled to extract in addition to their
22 base rights or adjusted rights any quantities of water spread
23 for repumping in their area of extractions, which has been
24 delivered to them by a mutual water company under base rights
25 or adjusted base rights included by the Watermaster under the
26 provisions of Paragraph V (b) hereof. Extractions must be
27 made within three years of spreading to so qualify.

28
29
30
31
32

VII

WATER DISCHARGED ACROSS THE BUNKER HILL DIKE

San Bernardino Valley shall keep in force an agreement with the City of San Bernardino that the present annual quantity of municipal sewage effluent discharged across Bunker Hill Dike, assumed for all purposes herein to be 16,000 acre feet annually, shall be committed to the discharge of the downstream obligations imposed on San Bernardino Valley under this Judgment or under the Orange County Judgment, and that such effluent shall comply with the requirements of the Santa Ana River Basin Regional Water Quality Control Board in effect December 31, 1968.

VIII

EXTRACTIONS FROM COLTON BASIN AREA AND RIVERSIDE BASIN AREA IN SAN BERNARDINO COUNTY.

(a) The average annual extractions from the Colton Basin Area and that portion of the Riverside Basin Area within San Bernardino County, for use outside San Bernardino Valley, for the five year period ending with 1963 are assumed to be 3,349 acre feet and 20,191 acre feet, respectively; the correct figures shall be determined by the Watermaster as herein provided.

(b) Over any five year period, there may be extracted from each such Basin Area for use outside San Bernardino Valley, without replenishment obligation, an amount equal to five times such annual average for the Basin Area; provided, however, that if extractions in any year exceed such average by more than 20 percent, Western shall provide replenishment in the following year equal to the excess

1 extractions over such 20 percent peaking allowance.

2 (c). To the extent that extractions from each such
3 Basin Area for use outside San Bernardino Valley exceed the
4 amounts specified in the next preceding Paragraph (b), Western
5 shall provide replenishment. Except for any extractions in
6 excess of the 20 percent peaking allowance, such replenishment
7 shall be supplied in the year following any five year period,
8 and shall not be from reclaimed water produced within San
9 Bernardino Valley. Such replenishment shall also be of a
10 quality at least equal to the water extracted from the Basin
11 Area being recharged; provided, that water from the State Water
12 Project shall be deemed to be of acceptable quality.
13 Replenishment shall be supplied to the Basin Area from which
14 any excess extractions have occurred and in the vicinity of
15 the place of the excess extractions to the extent required to
16 preclude influence on the water level in the three wells below
17 designated; provided that discharge of imported water into the
18 Santa Ana River or Warm Creek from a connection on the State
19 Aqueduct near the confluence thereof, if released in accordance
20 with a schedule approved by the Watermaster to achieve
21 compliance with the objectives of this Judgment, shall satisfy
22 any obligation of Western to provide replenishment in the Colton
23 Basin Area, or that portion of the Riverside Basin Area in San
24 Bernardino County, or the Riverside Basin Area in Riverside
25 County.

26 (d) Extractions from the Colton Basin Area and that
27 portion of the Riverside Basin Area within San Bernardino County,
28 for use within San Bernardino Valley, shall not be limited.
29 However, except for any required replenishment by Western,
30 San Bernardino Valley shall provide the water to maintain the
31 static water levels in the area, as determined by wells numbered
32

1 1S 4W 21 Q3, 1S 4W 29 H1, and 1S 4W 29 Q1 at an average level
2 no lower than that which existed in the Fall season of 1963.
3 Such 1963 average water level is hereby determined to be 822.04
4 feet above sea level. In future years, the level shall be
5 computed by averaging the lowest static water levels in each
6 of the three wells occurring at or about the same time of the
7 year, provided that no measurements will be used which reflect
8 the undue influence of pumping in nearby wells, or in the
9 three wells, or pumping from the Riverside Basin in Riverside
10 County in excess of that determined pursuant to Paragraph IX(a)
11 hereof.

12 (e) Extractions by Plaintiffs from the Colton Basin
13 Area and the portion of the Riverside Basin Area in San
14 Bernardino County may be transferred to the San Bernardino
15 Basin Area if the level specified in Paragraph (d) above is
16 not maintained, but only to the extent necessary to restore
17 such 1963 average water level, provided that Western is not
18 in default in any of its replenishment obligations. San
19 Bernardino Valley shall be required to replenish the San
20 Bernardino Basin Area in an amount equal to any extractions so
21 transferred. San Bernardino Valley shall be relieved of
22 responsibility toward the maintenance of such 1963 average water
23 level to the extent that Plaintiffs have physical facilities
24 available to accommodate such transfers of extractions, and
25 insofar as such transfers can be legally accomplished.

26 (f) The Colton Basin Area and the portion of the
27 Riverside Basin Area in San Bernardino County constitute a major
28 source of water supply for lands and inhabitants in both San
29 Bernardino Valley and Western, and the parties hereto have a
30 mutual interest in the maintenance of water quality in these
31 Basin Areas and in the preservation of such supply. If
32

1 the water quality in such Areas, as monitored by the City of
2 Riverside wells along the river, falls below the Objectives set
3 therefor by the Santa Ana River Basin Regional Water Quality
4 Control Board, the Court shall have jurisdiction to modify the
5 obligations of San Bernardino Valley to include, in addition
6 to its obligation to maintain the average 1963 water level,
7 reasonable provisions for the maintenance of such water quality.

8 (g) The primary objectives of Paragraph VIII and
9 related provisions are to allow maximum flexibility to San
10 Bernardino Valley in the operation of a coordinated
11 replenishment and management program, both above and below
12 Bunker Hill Dike; to protect San Bernardino Valley against
13 increased extractions in the area between Bunker Hill Dike and
14 Riverside Narrows, which without adequate provision for
15 replenishment might adversely affect base flow at Riverside
16 Narrows, for which it is responsible under the Orange County
17 Judgment; and to protect the area as a major source of ground
18 water supply available to satisfy the historic extractions
19 therefrom for use within Western, without regard to the method
20 of operation which may be adopted by San Bernardino Valley for
21 the San Bernardino Basin Area, and without regard to the effect
22 of such operation upon the historic supply to the area below
23 Bunker Hill Dike.

24 If these provisions should prove either inequitable or
25 unworkable, the Court upon the application of any party hereto
26 shall retain jurisdiction to modify this Judgment so as to
27 regulate the area between Bunker Hill Dike and Riverside Narrows
28 on a safe yield basis; provided that under such method of
29 operation, (1) base rights shall be determined on the basis of
30 total average annual extractions for use within San Bernardino
31 Valley and Western, respectively, for the five year period ending
32

1 with 1963; (2) such base rights for use in both Districts shall
2 be subject to whatever adjustment may be required by the safe
3 yield of the area, and in the aggregate shall not be exceeded
4 unless replenishment therefor is provided; (3) in calculating
5 safe yield, the outflow from the area at Riverside Narrows shall
6 be determined insofar as practical by the base flow obligations
7 imposed on San Bernardino Valley under the Orange County
8 Judgment; and (4) San Bernardino Valley shall be required to
9 provide replenishment for any deficiency between the actual
10 outflow and the outflow obligation across Bunker Hill Dike as
11 established by safe yield analysis using the base period of
12 1934 through 1960.

13
14 IX

15 EXTRACTIONS FROM THE PORTION OF RIVERSIDE BASIN AREA
16 IN RIVERSIDE COUNTY WHICH IS TRIBUTARY TO RIVERSIDE NARROWS.

17 (a) The average annual extractions from the portion
18 of the Riverside Basin Area in Riverside County which is
19 tributary to Riverside Narrows, for use in Riverside County,
20 for the five year period ending with 1963 are assumed to be
21 30,044 acre feet; the correct figures shall be determined by
22 the Watermaster as herein provided.

23 (b) Over any five year period, there may be
24 extracted from such Basin Area, without replenishment
25 obligation, an amount equal to five times such annual average
26 for the Basin Area; provided, however, that if extractions in
27 any year exceed such average by more than 20 percent, Western
28 shall provide replenishment in the following year equal to the
29 excess extractions over such 20 percent peaking allowance.

30 (c) To the extent that extractions from such Basin
31 Area exceed the amounts specified in the next preceding
32

1 Paragraph (b), Western shall provide replenishment. Except
2 for any extractions in excess of the 20 percent peaking
3 allowance, such replenishment shall be supplied in the year
4 following any five year period, and shall be provided at or
5 above Riverside Narrows.

6 (d) Western shall also provide such replenishment
7 to offset any reduction in return flow now contributing to the
8 base flow at Riverside Narrows, which reduction in return
9 flow results from the conversion of agricultural uses of water
10 within Western to domestic or other uses connected to sewage
11 or waste disposal systems, the effluent from which is not
12 tributary to the rising water at Riverside Narrows.

13
14 X

15 REPLENISHMENT TO OFFSET NEW EXPORTS OF WATER TO AREAS
16 NOT TRIBUTARY TO RIVERSIDE NARROWS.

17 Certain average annual amounts of water extracted
18 from the San Bernardino Basin Area and the area downstream
19 therefrom to Riverside Narrows during the five year period
20 ending in 1963 have been exported for use outside of the area
21 tributary to Riverside Narrows and are assumed to be 50,667
22 acre feet annually as set forth in Table C-1 of Appendix "C";
23 the correct amount shall be determined by the Watermaster as
24 herein provided. Western shall be obligated to provide
25 replenishment at or above Riverside Narrows for any increase
26 over such exports by Western or entities within it from such
27 areas for use within areas not tributary to Riverside Narrows.
28 San Bernardino Valley shall be obligated to provide
29 replenishment for any increase over the exports from San
30 Bernardino Valley for use in any area not within Western nor
31 tributary to Riverside Narrows as set forth in Table C-2 of
32

1 Appendix. "C", such amounts being subject to correction by the
2 Watermaster, or for any exports from the San Bernardino Basin
3 Area for use in the Yucaipa, San Timoteo, Oak Glen and
4 Beaumont Basins.

5 XI

6 REPLENISHMENT CREDITS AND ADJUSTMENT FOR QUALITY
7

8 (a) All replenishment provided by Western under
9 Paragraph IX and all credits received against such
10 replenishment obligation shall be subject to the same adjustment
11 for water quality applicable to base flow at Riverside Narrows,
12 as set forth in the Orange County Judgment.

13 (b) Western shall receive credit against its
14 replenishment obligations incurred under this Judgment for the
15 following:

16 1. As against its replenishment obligation
17 under Paragraph VIII, any return flow to the Colton
18 Basin Area or the portion of the Riverside Basin Area
19 within San Bernardino County, respectively, resulting
20 from any excess extractions therefrom; and as
21 against its replenishment obligation under Paragraph
22 IX, any return flow to the portion of the Riverside
23 Basin Area in Riverside County, which contributes
24 to the base flow at Riverside Narrows, resulting
25 from any excess extractions therefrom, or from the
26 Riverside Basin Area in San Bernardino County, or
27 from the Colton Basin Area.

28 2. Subject to adjustment under
29 Paragraph (a) hereof, any increase over the present
30 amounts of sewage effluent discharged from
31

1 treatment plants within Riverside County which are
2 tributary to Riverside Narrows, and which results
3 from the use of imported water.

4 3. Any replenishment which may be pro-
5 vided in excess of that required; any amounts which
6 hereunder are allowed to be extracted from the
7 Colton and Riverside Basin Areas without
8 replenishment obligation by Western, and which in
9 fact are not extracted; any storm flows conserved
10 between Bunker Hill Dike and Riverside Narrows by
11 works financed solely by Western, or entities within
12 it, which would not otherwise contribute to base
13 flow at Riverside Narrows; and any return flow
14 from imported water used in Riverside County which
15 contributes to base flow at Riverside Narrows;
16 provided, however, that such use of the underground
17 storage capacity in each of the above situations
18 does not adversely affect San Bernardino Valley
19 in the discharge of its obligations at Riverside
20 Narrows under the Orange County Judgment, nor
21 interfere with the accomplishment by San Bernardino
22 Valley of the primary objectives of Paragraph VIII,
23 as stated in Subdivision (g).

24 (c) The replenishment obligations of Western under
25 this Judgment shall not apply during such times as amounts of
26 base flow at Riverside Narrows and the amounts of water stored
27 in the ground water resources below Bunker Hill Dike and
28 tributary to the maintenance of such flow are found by Order of
29 the Court to be sufficient to satisfy any obligation which
30 San Bernardino Valley may have under this Judgment, or under the
31

1 Orange County Judgment, and if the Court further finds by Order
2 that during such times any such increase in pumping, changes
3 in use or exports would not adversely affect San Bernardino
4 Valley in the future.

5 (d) The replenishment obligations of San Bernardino
6 Valley under Paragraph X of this Judgment for increase in
7 exports from the Colton and Riverside Basin Areas within San
8 Bernardino Valley below the Bunker Hill Dike shall not apply
9 during such times as the amounts of water in the ground water
10 resources of such area are found by Order of the Court to be
11 sufficient to satisfy the obligations which San Bernardino
12 Valley may have to Plaintiffs under this Judgment, and if the
13 Court further finds by Order that during such times any such
14 increases in exports would not adversely affect Plaintiffs in
15 the future.

16
17 XII

18 CONVEYANCE OF WATER BY SAN BERNARDINO VALLEY
19 TO RIVERSIDE NARROWS.

20 If San Bernardino Valley determines that it will
21 convey reclaimed sewage effluent, or other water, to or near
22 Riverside Narrows, to meet its obligations under this or the
23 Orange County Judgment, the City of Riverside shall make
24 available to San Bernardino Valley for that purpose any unused
25 capacity in the former Riverside Water Company canal, and the
26 Washington and Monroe Street storm drains, without cost except
27 for any alterations or capital improvements which may be
28 required, or any additional maintenance and operation costs which
29 may result. The use of those facilities shall be subject to the
30 requirements of the Santa Ana River Basin Regional Water Quality
31 Control Board and of the State Health Department, and compliance
32

1 therewith shall be San Bernardino Valley's responsibility.

2
3 XIII

4 WATERMASTER

5 (a) This Judgment and the instructions and
6 subsequent orders of this Court shall be administered and
7 enforced by a Watermaster. The parties hereto shall make such
8 measurements and furnish such information as the Watermaster
9 may reasonably require, and the Watermaster may verify such
10 measurements and information and obtain additional measurements
11 and information as the Watermaster may deem appropriate.

12 (b) The Watermaster shall consist of a committee
13 of two persons. San Bernardino Valley and Western shall each
14 have the right to nominate one of such persons. Each such
15 nomination shall be made in writing, served upon the other
16 parties to this Judgment, and filed in Court. Such person shall
17 be appointed by and serve at the pleasure of and until further
18 order of this Court. If either Western or San Bernardino Valley
19 shall at any time nominate a substitute appointee in place of
20 the last appointee to represent it, such appointee shall be
21 appointed by the Court in place of such last appointee.

22 (c) Appendix "D" to this Judgment contains some of
23 the data which have been used in preparation of this Judgment,
24 and shall be utilized by the Watermaster in connection with
25 any questions of interpretation.

26 (d) Each and every finding and determination of the
27 Watermaster shall be made in writing certified to be by
28 unanimous action of both members of the Watermaster committee.
29 In the event of failure or inability of such Watermaster
30 Committee to reach agreement, the Watermaster committee may
31 determine to submit the dispute to a third person to be selected
32

1 by them, or if they are unable to agree on a selection, to be
2 selected by the Court, in which case the decision of the third
3 person shall be binding on the parties; otherwise the fact,
4 issue, or determination in question shall forthwith be
5 certified to this Court by the Watermaster, and after due notice
6 to the parties and opportunity for hearing, said matter shall
7 be determined by order of this Court, which may refer the
8 matter for prior recommendation to the State Water Resources
9 Control Board. Such order of the Court shall be a determination
10 by the Watermaster within the meaning of this Judgment.

11 (e) The Watermaster shall report to the Court and
12 to each party hereto in writing not more than seven (7) months
13 after the end of each year, or within such other time as the
14 Court may fix, on each determination made by it pursuant to this
15 Judgment, and such other items as the parties may mutually
16 request or the Watermaster may deem to be appropriate. All of
17 the books and records of the Watermaster which are used in the
18 preparation of, or are relevant to, such reported data,
19 determinations and reports shall be open to inspection by the
20 parties hereto. At the request of any party this Court will
21 establish a procedure for the filing and hearing of objections
22 to the Watermaster's report.

23 (f) The fees, compensation and expenses of each
24 person on the Watermaster shall be borne by the District which
25 nominated such person. All other Watermaster service costs and
26 expenses shall be borne by San Bernardino Valley and Western
27 equally.

28 (g) The Watermaster shall initially compute and
29 report to the Court the natural safe yield of the San Bernardino
30 Basin Area, said computation to be based upon the cultural
31

1 conditions equivalent to those existing during the five
2 calendar year period ending with 1963.

3 (h) The Watermaster shall as soon as practical
4 determine the correct figures for Paragraphs V(b), VI(b)1,
5 VIII(a), IX(a) and X, as the basis for an appropriate
6 supplemental order of this Court.

7
8 XIV

9 CONTINUING JURISDICTION OF THE COURT

10 (a) The Court hereby reserves continuing
11 jurisdiction of the subject matter and parties to this Judgment,
12 and upon application of any party, or upon its own motion, may
13 review and redetermine, among other things, the following
14 matters and any matters incident thereto:

15 1. The hydrologic condition of any one or
16 all of the separate basins described in this Judgment in order
17 to determine from time to time the safe yield of the San
18 Bernardino Basin Area.

19 2. The desirability of appointing a
20 different Watermaster or a permanent neutral member of the
21 Watermaster, or of changing or more clearly defining the duties
22 of the Watermaster.

23 3. The desirability of providing for increases
24 or decreases in the extraction of any particular party because
25 of emergency requirements or in order that such party may
26 secure its proportionate share of its rights as determined
27 herein.

28 4. The adjusted rights of the Plaintiffs as
29 required to comply with the provisions hereof with respect to
30 changes in the natural safe yield of the San Bernardino Basin
31

1 Area. If such changes occur, the Court shall adjudge that the
2 adjusted rights and replenishment obligations of each party
3 shall be changed proportionately to the respective base rights.

4 5. Conforming the obligations of San
5 Bernardino Valley under this Judgment to the terms of any new
6 judgment hereafter entered adjudicating the water rights within
7 San Bernardino Valley, if inconsistencies of the two judgments
8 impose hardship on San Bernardino Valley.

9 6. Adjusting the figures in Paragraphs V(b),
10 VI(b) 1, VIII(a) IX(a), and X, to conform to determination
11 by the Watermaster.

12 7. Credit allowed for return flow in the San
13 Bernardino Basin Area if water levels therein drop to the point
14 of causing undue hardship upon any party.

15 8. Other matters not herein specifically set
16 forth which might occur in the future and which would be
17 of benefit to the parties in the utilization of the surface and
18 ground water supply described in this Judgment, and not
19 inconsistent with the respective rights of the parties as herein
20 established and determined.

21 (b) Any party may apply to the Court under its
22 continuing jurisdiction for any appropriate modification of
23 this Judgment if its presently available sources of imported
24 water are exhausted and it is unable to obtain additional
25 supplies of imported water at a reasonable cost, or if there is
26 any substantial delay in the delivery of imported water through
27 the State Water Project.

28
29
30
31
32

XV
SAVING CLAUSES

(a) Nothing in this Judgment precludes San Bernardino Valley, Western, or any other party from exercising such rights as it may have or obtain under law to spread, store underground and recapture imported water, provided that any such use of the underground storage capacity of the San Bernardino Basin Area by Western or any entity within it shall not interfere with any replenishment program of the Basin Area.

(b) Changes in the place and kind of water use, and in the transfer of rights to the use of water, may be made in the absence of injury to others or prejudice to the obligations of either San Bernardino Valley or Western under Judgment or the Orange County Judgment.

(c) If any Plaintiff shall desire to transfer all or any of its water rights to extract water within San Bernardino Valley to a person, firm, or corporation, public or private, who or which is not then bound by this Judgment, such Plaintiff shall as a condition to being discharged as hereinafter provided cause such transferee to appear in this action and file a valid and effective express assumption of the obligations imposed upon such Plaintiff under this Judgment as to such transferred water rights. Such appearance and assumption of obligation shall include the filing of a designation of the address to which shall be mailed all notices, requests, objections, reports and other papers permitted or required by the terms of this Judgment.

If any Plaintiff shall have transferred all of its said water rights and each transferee not theretofore bound by this Judgment as a Plaintiff shall have appeared in this action

1 and filed a valid and effective express assumption of the
2 obligations imposed upon such Plaintiff under this Judgment as
3 to such transferred water rights, such transferring Plaintiff
4 shall thereupon be discharged from all obligations hereunder.
5 If any Plaintiff shall cease to own any rights in and to the water
6 supply declared herein and shall have caused the appearance and
7 assumption provided for in the third preceding sentence with
8 respect to each voluntary transfer, then upon application to
9 this Court and after notice and hearing such Plaintiff shall
10 thereupon be relieved and discharged from all further
11 obligations hereunder. Any such discharge of any Plaintiff
12 hereunder shall not impair the aggregate rights of defendant
13 San Bernardino Valley or the responsibility hereunder of the
14 remaining Plaintiffs or any of the successors.

15 (d) Non-use of any right to take water as provided
16 herein shall not result in any loss of the right. San
17 Bernardino Valley does not guarantee any of the rights set out
18 herein for Western and the other Plaintiffs as against the
19 claims of third parties not bound hereby. If Western or the
20 other Plaintiffs herein should be prevented by acts of third
21 parties within San Bernardino County from extracting the
22 amounts of water allowed them by this Judgment, they shall have
23 the right to apply to this Court for any appropriate relief,
24 including vacation of this Judgment, in which latter case all
25 parties shall be restored to their status prior to this
26 Judgment insofar as possible.

27 (e) Any replenishment obligation imposed hereunder
28 on San Bernardino Valley may be deferred until imported water
29 first is available to San Bernardino Valley under its contract
30 with the California Department of Water Resources and the
31

1 obligation so accumulated may be discharged in five
2 approximately equal annual installments thereafter.

3 (f) No agreement has been reached concerning the
4 method by which the cost of providing replenishment will be
5 financed, and no provision of this Judgment, nor its failure
6 to contain any provision, shall be construed to reflect any
7 agreement relating to the taxation or assessment of extractions.

8
9 XVI

10 EFFECTIVE DATE

11
12 The provisions of Paragraphs III and V to XII of this
13 Judgment shall be in effect from and after January 1, 1971;
14 the remaining provisions are in effect immediately.

15 XVII

16 COSTS

17
18 No party shall recover its costs herein as against
19 any other party.

20 THE CLERK WILL ENTER THIS JUDGMENT FORTHWITH.

21
22 DATED: *April 17, 1969*

23
24
25 ENTERED

Albert P. McManis
JUDGE OF THE SUPERIOR COURT

26 APR 17 1969

27
28 JUDGMENT BOOK *124* PG *42*

APPENDIX B
TABLE B-1

EXTRACTIONS BY PLAINTIFFS FROM THE SAN
 BERNARDINO BASIN AREA FOR AVERAGE OF 5-YEAR
 PERIOD ENDING WITH 1963

(All Values in Acre Feet)
Classified According to Service Area

<u>Plaintiff</u>	<u>Total Extractions in San Bernardino Basin Area</u>	<u>Delivery to San Bernardino Basin Area</u>	<u>Delivery to Colton Basin Area & Riverside Basin Area in San Bernardino County</u>	<u>Delivery to Areas Outside San Bernardino Valley</u>
City of Riverside (including those rights acquired as successor to the Riverside Water Company and The Gage Canal Company)	53,448	1462	1260	50,726
Riverside High- Land Water Company	4,399	0	2509	1,890
Agua Mansa Water Company, and Meeks & Daley Water Company	8,026	0	326	7,700
The Regents of the University of California	581	0	0	581
Total	66,454	1,462	4,095	60,897

APPENDIX B
TABLE B-2

PLAINTIFFS' PERCENTAGES OF BASE RIGHT
TO TOTAL PRODUCTION FROM SAN BERNARDINO
VALLEY BASIN AREA,
231,861 Acre Feet Annually,
For 5-Year Average Ending With 1963
Classified According to Service Area

<u>Plaintiff</u>	<u>Delivery to San Bernardino Basin Area</u>	<u>Delivery to Colton Basin Area & Riverside Basin Area in San Bernardino County</u>	<u>Delivery to Areas Outside San Bernardino Valley</u>
City of Riverside (including those rights acquired as successor to the Riverside Water Company and The Gage Canal Company)	.630	.543	21.878
Riverside Highland Water Company		1.082	0.815
Aqua Mansa Water Company; and Meeks & Daley Water Company		.141	3.321
The Regents of the University of California			0.250
<u>Total</u>	<u>1.630</u>	<u>1.766</u>	<u>26.264</u>

APPENDIX C
TABLE C-1

EXTRACTIONS FOR USE WITHIN WESTERN
FROM
THE SAN BERNARDINO BASIN AREA, COLTON BASIN AREA,
AND THE RIVERSIDE BASIN AREA
FOR USE ON LANDS THAT ARE NOT TRIBUTARY
TO THE RIVERSIDE NARROWS FOR
AVERAGE OF FIVE-YEAR PERIOD ENDING IN 1963

<u>Extractor</u>	<u>Five-Year Average Ac. Ft.</u>
City of Riverside, including Irrigation Division water extracted by Gage Canal Co. and former Riverside Water Co.	30,657
Meeks & Daley Water Co., Agua Mansa Water Co., and Temescal Water Co., including water received from City of Riverside	13,731
Extractions delivered by West Riverside Canal received from Twin Buttes Water Co., La Sierra Water Co., Agua Mansa Water Co., Salazar Water Co., West Riverside 350" Water Co., and Jurupa Water Co.	5,712
Rubidoux Community Services District	531
Jurupa Hills Water Co.	36
<u>TOTAL</u>	<u>50,667</u>

APPENDIX D
TABLE D-1

EXTRACTIONS FROM SAN BERNARDINO BASIN AREA
FOR THE AVERAGE OF FIVE-YEAR PERIOD ENDING WITH 1963
FOR USE WITHIN SAN BERNARDINO COUNTY

(ALL VALUES IN ACRE FEET)

<u>Basin</u>	<u>Five Year Avg. 1959-63</u>
Beaumont	10,064
Big Bear	1,171
Borea Canyon	91
Bunker Hill	181,600
City Creek	337
Cook Canyon	197
Devil Canyon	3,326
Devil Creek	42
Lower Cajon	2,090
Little San Creek	15
Lytle	29,364
Mill Creek	11,084
Oak Glen	935
Plunge Creek	1,265
santa Ana	1,790
Strawberry Creek	291
San Timoteo	2,272
Waterman Canyon	367
Yucaipa	<u>13,837</u>
Upper Basin Total	260,139
Less: Beaumont	
Oak Glen	
San Timoteo	27,107
Yucaipa	
Subtotal	<u>233,032</u>
Less Big Bear	<u>1,171</u>
Subtotal	231,861
Less extractions for use outside San Bernardino County	<u>60,897</u>
Extractions from San Bernardino for use in San Bernardino County	170,964

APPENDIX D
TABLE D-2

EXTRACTIONS FROM
COLTON BASIN AREA FOR AVERAGE OF
FIVE-YEAR PERIOD ENDING WITH 1963
BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
FOR USE WITHIN EACH COUNTY

(VALUES IN ACRE FEET)

<u>Extractor</u>	<u>Place of Use</u>		<u>Total</u>
	<u>San Bernardino Co.</u>	<u>Riverside Co.</u>	
San Bernardino County Entities	8,480	0	8,480
Riverside County Entities	<u>147</u>	<u>3,349</u>	<u>3,496</u>
<u>TOTAL EXTRACTIONS</u>	8,627	3,349	11,976

APPENDIX D
TABLE D-3

EXTRACTIONS FROM
RIVERSIDE BASIN AREA IN SAN BERNARDINO COUNTY
FOR AVERAGE FIVE-YEAR PERIOD ENDING WITH 1963
BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
FOR USE WITHIN EACH COUNTY

(VALUES IN ACRE FEET)

<u>Extractor</u>	<u>Place of Use</u>		<u>Total</u>
	<u>San Bernardino Co.</u>	<u>Riverside Co.</u>	
San Bernardino County Entities	9,582	0	9,582
Riverside County Entities	<u>3,929</u>	<u>20,191</u>	<u>24,120</u>
<u>TOTAL EXTRACTIONS</u>	13,511	20,191	33,702

APPENDIX D
TABLE D-4

EXTRACTIONS FROM
SAN BERNARDINO BASIN AREA, COLTON BASIN AREA
AND RIVERSIDE BASIN AREA USED WITHIN
RIVERSIDE COUNTY FOR THE AVERAGE
FIVE-YEAR PERIOD ENDING WITH 1963

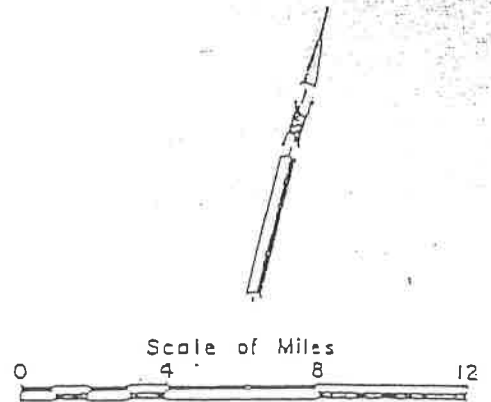
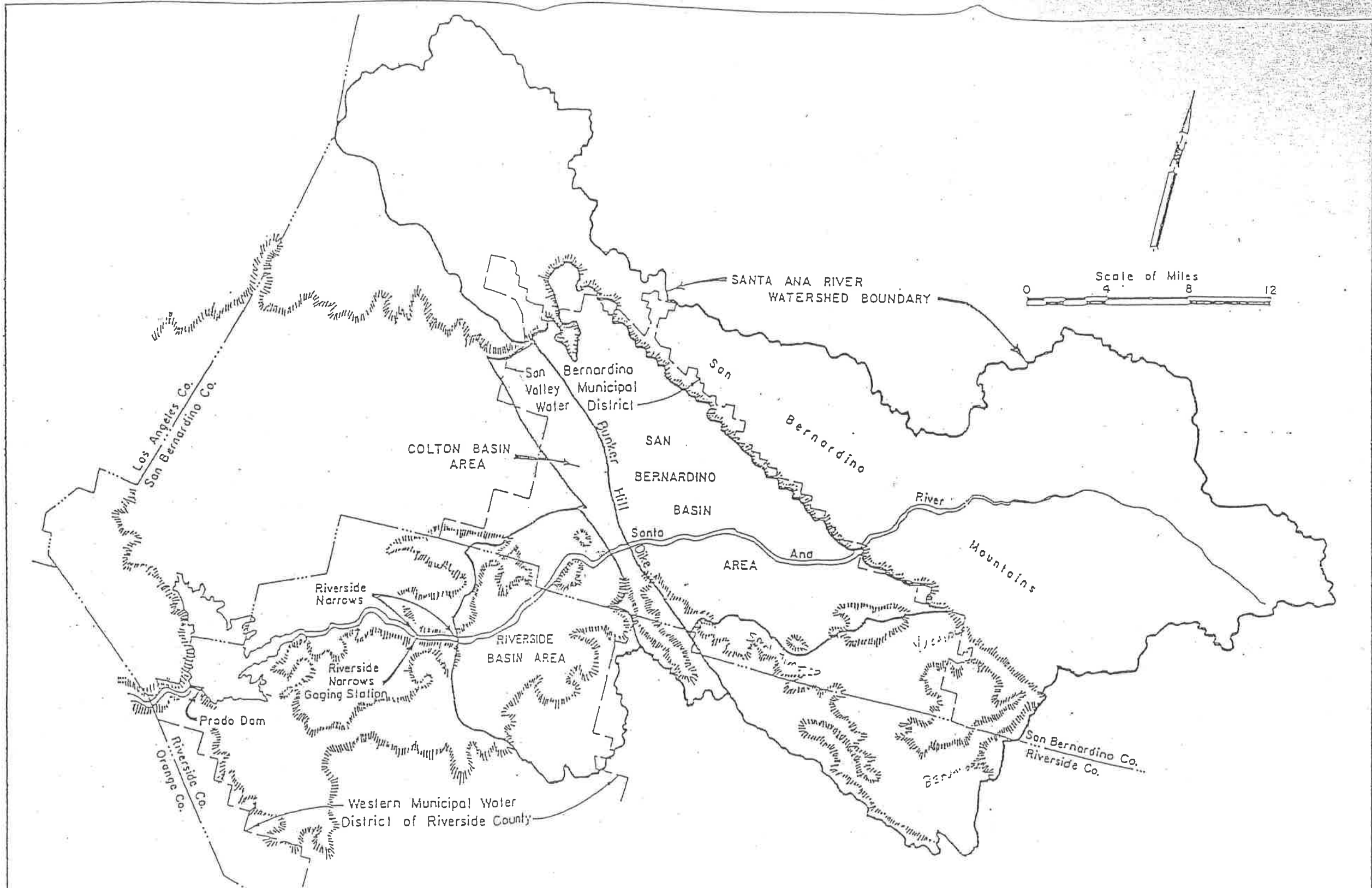
(ALL VALUES IN ACRE FEET)

<u>Basin</u>	<u>Five-Year Average</u>
San Bernardino Basin Area	60,897
Colton Basin Area	3,349
Riverside Basin Area in San Bernardino County	20,191
Riverside Basin Area in Riverside County	<u>30,044</u>
<u>TOTAL</u>	114,481

APPENDIX D
TABLE D-5

IRRIGATED ACREAGE IN RIVERSIDE BASIN AREA
IN RIVERSIDE COUNTY PRESENTLY TRIBUTARY
TO RIVERSIDE NARROWS WHICH
UPON CONVERSION TO URBAN USES
REQUIRING SEWAGE DISPOSAL THROUGH
THE RIVERSIDE TREATMENT PLANT WILL
BE DISCHARGED TO THE RIVER BELOW
RIVERSIDE NARROWS

<u>Entity Serving Acreage</u>	<u>Acres</u>
Gage Canal	1,752
Alta Mesa Water Co.	65
East Riverside Water Co.	926
Riverside Highland Water Company	<u>1,173</u>
<u>TOTAL</u>	3,916



MAP SHOWING
 SAN BERNARDINO BASIN AREA, COLTON BASIN AREA, AND
 RIVERSIDE BASIN AREA SITUATED WITHIN SAN BERNARDINO
 COUNTY; RIVERSIDE BASIN AREA WITHIN RIVERSIDE COUNTY;
 BUNKER HILL DIKE; RIVERSIDE NARROWS; AND BOUNDARIES OF
 SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT & WESTERN
 MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY.

APPENDIX L

**WATER SHORTAGE CONTINGENCIES
CUSTOMER ALLOTMENTS AND APPEALS PROCEDURE**

**RUBIDOUX COMMUNITY SERVICES DISTRICT
WATER SHORTAGE CONTINGENCIES
CUSTOMER ALLOTMENTS AND APPEALS PROCEDURE**

The following is the Rubidoux Community Services District's (District) rationing allocation method (arranged by customer type and stage) and the appeals procedure. It should be noted that the allotment figures indicated in Stages 3 and 4 are given in terms of hundred cubic feet (ccf), which is the standard measurement for water deliveries and is indicated on the District's water bills and water meters; 1 ccf is equivalent to 748 gallons of water. The minimum water allotment for residential customers is based on a minimum quantity that is required for health and safety needs (e.g. drinking, personal hygiene); the District has established said minimum quantity as 68 gallons per capita per day (gpcd).

Stage 1: Minimal shortage (25 to 40 percent)

Stage 2: Moderate shortage (40 to 50 percent)

In the event that a minimal or moderate water shortage occurs, the District will implement the voluntary measures outlined below.

1. All customers will be notified of the water shortage.
2. Information will be mailed to every customer which will explain the importance of significant water use reductions.
3. Technical information will be provided to the District's customers regarding methods for improving water use efficiency.
4. The District will conduct a media campaign to remind consumers of the need to save water.
5. The District will publicize and expand appliances and fixtures efficiency programs.

Stage 3: Severe shortage (50 to 60 percent)

Stage 4: Critical shortage (60+ percent)

In the event that a severe or critical water shortage occurs, the District will establish mandatory annual allotments for each connection based on average use during a three-year base period that will supplement the voluntary measures outlined above; said base period will be selected by the Water Shortage Response Team.

1. Each single-family residential connection will receive no more than 103 ccf per year (68 gpcd minimum water requirement x 3.1 persons per household x 365 days = 76,942 gallons – 748 = 103 ccf) plus 20% of average annual usage in excess of 103 ccf.
2. Each multi-family residential connection will receive no more than 76 ccf per year (68 gpcd minimum water requirement x 2.3 persons per dwelling unit x 365 days = 57,086 gallons – 748 = 76 ccf) per dwelling unit plus 20% of average annual usage in excess of 76 ccf.
3. Each commercial, industrial, and governmental connection will receive no more than 70% of average annual usage.
4. Each landscaping connection will receive 20% of average annual usage, unless the specific account has been determined by District staff to meet the District's Landscape Guidelines for xeriscape design, irrigation, and maintenance, in which case it will receive 70% of average annual usage.
5. No meters will be installed for new accounts during the declared water shortage emergency.

Appeals Procedure

1. Any person who wishes to appeal their customer classification or allotment must do so in writing, using forms provided by the District.

2. Appeals will be reviewed by the Water Shortage Response Team; site visits will be scheduled if required.
3. One of the conditions of approval will be that all applicable plumbing fixtures or irrigation systems be replaced or modified for maximum water conservation.
4. Increased allotments may be approved for the following:
 - a. Substantial medical requirements.
 - b. Residential connections with four or more residents in a single-family household, or three or more residents per unit in a multi-family residence. These connections can receive additional allotments based upon the same calculations used for the standards applied in Stages 3 and 4 per additional person. During a Stage 4 shortage, a census may be conducted to determine the actual number of residents per dwelling unit. Additional water will be approved for permanent residents only; permanent residents are defined as people who live in the specific residence a minimum of five days per week, nine months per year.
 - c. Commercial/Industrial customers for which water supply reductions will result in unemployment or decreased production; a District water auditor must first confirm that the customer has instituted all applicable water efficiency improvements.
 - d. Non-agricultural customers can appeal for an additional allotment 12 ccf per year per horse, cow, or other large animal, and 6 ccf per year for each efficiently irrigated mature fruit tree.
 - e. Government agencies (parks, schools, county, etc.) may have separate account allotments combined into one "agency" allotment.

5. In the event that an appeal for an additional allotment is requested for irrigation of trees or vegetation in residential categories or for any agricultural use, District staff may use the services of a qualified consultant in determining the validity of the request.
6. The Water Shortage Response Team will approve or deny appeals and report all appeals to the District's Board of Directors monthly.
7. If the Water Shortage Response Team and the applicant are unable to reach agreement, the appeal will then be heard by the District's General Manager, who will make the final determination.
8. All appeals will be reported monthly to the District's Board of Directors as a part of the Water Supply Report.

APPENDIX M

POPULATION TOOL PRINTOUT

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
Victoria Morrell	Rubidoux Community Service District	4887479484	6/21/2016 11:30:55 AM

Boundary Information		
Census Year	Boundary Filename	Internal Boundary ID
1990	RCSD Boundary.kml	1199
2000	RCSD Boundary.kml	1199
2010	RCSD Boundary.kml	1199

Baseline Period Ranges

10 to 15-year baseline period

Number of years in baseline period:

Year beginning baseline period range:

Year ending baseline period range¹: 2008

5-year baseline period

Year beginning baseline period range:

Year ending baseline period range²: 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	Number of Connections *	Persons per Connection
	Total Population		
1990	20,353	<input type="text" value="5170"/>	3.94
1991	-	-	3.94
1992	-	-	3.94
1993	-	-	3.95
1994	-	-	3.95
1995	-	-	3.95
1996	-	-	3.95
1997	-	-	3.95
1998	-	-	3.96
1999	-	-	3.96
2000	25,367	<input type="text" value="6403"/>	3.96
2001	-	-	4.05
2002	-	-	4.15
2003	-	-	4.24
2004	-	-	4.33
2005	-	-	4.42
2006	-	-	4.52
2007	-	-	4.61
2008	-	-	4.70
2009	-	-	4.80
2010	30,089	<input type="text" value="6156"/>	4.89
2015	-	-	5.35 **

Population Using Persons-Per-Connection

Year		Number of Connections *	Persons per Connection	Total Population
10 to 15 Year Baseline Population Calculations				
Year 1	1999	6280	3.96	24,856
Year 2	2000	6403	3.96	25,367
Year 3	2001	6378	4.05	25,850
Year 4	2002	6353	4.15	26,340
Year 5	2003	6328	4.24	26,824
Year 6	2004	6303	4.33	27,305
Year 7	2005	6278	4.42	27,780
Year 8	2006	6253	4.52	28,251
Year 9	2007	6228	4.61	28,717
Year 10	2008	6203	4.70	29,179
5 Year Baseline Population Calculations				
Year 1	2003	6328	4.24	26,824
Year 2	2004	6303	4.33	27,305
Year 3	2005	6278	4.42	27,780
Year 4	2006	6253	4.52	28,251
Year 5	2007	6228	4.61	28,717
2015 Compliance Year Population Calculations				
	2015	6250	5.35 **	33,441

QUESTIONS / ISSUES? CONTACT THE WUEdata HELP DESK



3602 University Avenue
Riverside, California 92501
951·684·6900
www.kriegerandstewart.com