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**RUBIDOUX COMMUNITY SERVICES DISTRICT
2010 URBAN WATER MANAGEMENT PLAN**

NOVEMBER 2011

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

Signature *DS*

Date 11/19/11

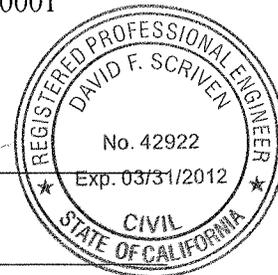


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CONTACT SHEET

**RUBIDOUX COMMUNITY SERVICES DISTRICT
Rubidoux, California**

**2010 URBAN WATER MANAGEMENT PLAN
CONTACT SHEET**

Date plan submitted to the Department of
Water Resources: **November 22, 2011**

Name of person preparing this plan: **David F. Scriven
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The Water Supplier is a: **Community Services District**

The Water Supplier is a: **Retailer**

Utility services provided by the Water Supplier include: **Water Supply**

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

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

SECTION 1

PLAN PREPARATION

**SECTION 1
PLAN PREPARATION**

A. COORDINATION

Water Code

- 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.
- (e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.

The Rubidoux Community Services District (RCS D or the District) has actively encouraged community participation in its urban water management planning efforts since its first Urban Water Management Plan (UWMP, or Plan) was developed in 1985. The District adopted updated versions of same in 1990, 1995, 2000, and 2005, which reflected then-current conditions within the District's boundaries, including projected water demands.

The 2010 UWMP, as presented here, supersedes the 2005 UWMP Update and fulfills the requirements of Part 2.6 (the Urban Water Management Planning Act) and Part 2.55 (applicable sections of the Water Conservation Act of 2009, also known as SBX7-7) of Division 6 of the California Water Code, as amended. Copies of these sections of the Water Code are included in **Appendix A**.

On August 19, 2011, the District notified the City of Jurupa Valley, the City of Riverside, County of Riverside, and County of San Bernardino about the District's review of its UWMP and its intent to revise said UWMP in accordance with all applicable requirements. Within 30 days prior to adoption of this UWMP, 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.

On November 3, 2011, the District held a Public Hearing (copy of public notices included in **Appendix B**) to receive comments on, and consider adoption of, its draft 2010 Urban Water

Management Plan. All comments received prior to and during the Public Hearing were taken into consideration in the preparation of the final report. Comments submitted and RCSD's responses thereto are incorporated into **Appendix C**.

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

Table 1 Coordination with Appropriate Agencies							
Entities	Participated in UWMP Development	Commented on Draft	Attended Public Meetings	Contacted for Assistance	Sent Copy of Draft⁽¹⁾	Sent Notice of Intention to Adopt	Not Involved/ No Information
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⁾ Available for public review at the District's office during business hours.

B. PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

<u>Water Code</u>	
10621.	(b) Every urban water supplier...shall, at least 60 days prior to 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. (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).
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.

The Plan was adopted by the District Board of Directors at a Public Hearing on November 3, 2011 and submitted to the California Department of Water Resources within 30 days of Board approval. A copy of the signed Resolution Adopting the 2010 Urban Water Management Plan is presented in **Appendix D**.

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. The UWMP is available for public review during normal business hours at the District's office located at 3590 Rubidoux Boulevard, Rubidoux CA 92509.

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.

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 Water Code are included in **Appendix A**), the District has prepared this 2010 Urban Water Management Plan. The Plan 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 the limited available water resources, reduce per capita water use, and decrease the potential future need to import water from other regions. Refer also to **Section 3.G** and **Section 6** in this Plan. The District will implement its UWMP as described herein.

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 multi-county community services district, 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**, 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 26,200 people through approximately 6,200 service connections. Population estimates and projections for the portion of the District's service area were provided by the Southern California Association of Governments (SCAG).

Projected populations adopted by SCAG (2008) within the District's service area are set forth in **Table 2**. As shown therein, the District's service area population is projected to increase from approximately 29,900 currently to approximately 45,200 by 2035. Since these projections were published, the 2010 Census was conducted. According to the 2010 census, the actual 2010 population is approximately 26,200. It is expected that SCAG will adjust its current projections for years 2015 through 2035 to reflect actual 2010 population data. This 2010 UWMP utilizes and reports the population data within the District's service area that is currently available from SCAG.

Figure 2 depicts historic and projected population within RCSD's service area from 1970 through 2035, showing projected population based on both 2010 Census data and SCAG projected population data.

Table 2 Estimated Population – Projected						
Service Area	2010	2015	2020	2025	2030	2035
RCSD	29,900	32,900	36,400	39,500	42,200	45,200
Total Service Area Population	29,900	32,900	36,400	39,500	42,200	45,200

D. SERVICE AREA CLIMATE

Temperatures in the District's service area commonly exceed 100 degrees Fahrenheit (°F) during summer months. During the winter the average temperature is approximately 42°F.

The area normally receives an average annual precipitation of approximately 10 inches, most of which occurs in December, January, February, or March.

The maximum and minimum monthly average temperatures as well as monthly average evapotranspiration rates (ET_o) within the District's service area are shown in **Table 3**.

Table 3 Climate							
	Jan	Feb	Mar	Apr	May	June	
Monthly Average Reference ETo (inches)	2.49	2.91	4.16	5.27	5.94	6.56	
Average Rainfall (inches)	2.12	2.16	1.64	0.78	0.23	0.06	
Average Maximum Temperature (°F)	66.6	67.9	70.2	75.1	79.6	86.5	
Average Minimum Temperature (°F)	41.7	43.3	45.0	47.9	52.7	56.3	
	July	Aug	Sept	Oct	Nov	Dec	Annual
Monthly Average Reference ETo (inches)	7.22	6.92	5.35	4.05	2.94	2.56	56.37
Average Rainfall (inches)	0.04	0.11	0.24	0.32	0.92	1.22	9.86
Average Maximum Temperature (°F)	94.0	94.4	90.7	82.5	73.5	67.5	79.0
Average Minimum Temperature (°F)	60.8	61.3	58.5	52.5	45.5	41.3	50.5

NOTE: Rainfall and temperature data were obtained from the Riverside Citrus Experiment Station, as provided on the National Weather Service Western Regional Climate Center website at <http://www.wrcc.dri.edu> for the period of record July 1, 1948 to September 30, 2009. Evapotranspiration rate (ETo) data provided by the California Irrigation Management Information System (CIMIS) on their website, <http://www.cimis.water.ca.gov>. Copies of the downloaded data are provided in **Appendix E**.

The Upper Santa Ana watershed consists of approximately 852 square miles within Riverside and San Bernardino Counties (approximately 32 percent of the total Santa Ana Watershed area). Average precipitation within the watershed ranges from approximately 12 inches within 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 Groundwater Basin which underlies the Upper Santa Ana Watershed. RCSD's groundwater extractions are discussed further in **Section 4.A** through **4.C**.

E. OTHER DEMOGRAPHIC FACTORS

The District's service area has recently been incorporated in to the newly formed 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, Shy Country, Indian Hills, Sunnyslope, and Rubidoux into Riverside County's 28th self-governed municipality. The city status 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 the 15 Freeway on the West.

It is not anticipated that this new city incorporation will alter the District's service area or operations in any way.

SECTION 3
SYSTEM DEMANDS

**SECTION 3
SYSTEM DEMANDS**

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.

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 has been determined in accordance with methodologies developed by the California Department of Water Resources (DWR), pursuant to Water Code Section 10608.20(h)(1), that are 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 has selected the ten-year base period of January 1, 1999 through December 31, 2008. The District's service area population data sources are set forth in **Section 2.C** herein. 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 is determined to be 227 gpcd, calculated as shown in **Table 4**.

Table 4				
RCSD's 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)
1999	22,823	5,466	4,879,398	214
2000	23,235	5,631	5,026,690	216
2001	23,760	5,922	5,286,461	222
2002	24,284	6,733	6,010,426	248
2003	24,809	6,113	5,456,963	220
2004	25,333	6,595	5,887,235	232
2005	25,858	6,304	5,627,465	218
2006	25,925	6,841	6,106,835	236
2007	25,992	6,894	6,154,147	237
2008	26,058	6,511	5,812,250	223
Baseline (Average of Gross Water Use for 1999-2008)				227

- (1) Refer to **Section 2.C** for population data sources.
- (2) Based on District records of gross well production.

B. URBAN WATER USE TARGET

The urban water use target is determined based on one of the four available methods described in Water Code Section 10608.20(b). The District has selected DWR's Provisional Method 1 (herein referred to as Method 1) for determining its urban water use target.

Method 1, which is described in Section D of DWR's *Guidebook to Assist Urban Water Suppliers to Prepare a 2010 Urban Water Management Plan* (March 2011), referred to herein as DWR's Guidebook, 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 227 gpcd is 45 gpcd (45.4 gpcd, rounded). Therefore, utilizing Method 1, the District's urban water use target is 182 gpcd.

The District did not elect to utilize Methods 2 and 4 since the data required to perform the analyses were either not available, or yielded the same urban water use target determined utilizing Method 1.

Method 3 was not utilized since the District's baseline urban water use did not qualify for this method, as described in Section D of DWR's Guidebook.

C. MINIMUM WATER USE REDUCTION REQUIREMENT

<p><u>Water Code</u></p> <p>10608.12. (b) "Base daily per capita water use" means any of the following: (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.</p> <p>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.</p>
--

In accordance with DWR's Methodologies, a five-year baseline is calculated to determine whether the urban water use target meets the minimum water use reduction requirement pursuant to Water Code Section 10608.22.

The following two steps are 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 has selected a 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 5**.

Table 5				
RCSD's 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	24,809	6,113	5,456,963	220
2004	25,333	6,595	5,887,235	232
2005	25,858	6,304	5,627,465	218
2006	25,925	6,841	6,106,835	236
2007	25,992	6,894	6,154,147	237
Five-Year Baseline (Average of Gross Water Use for 2003-2007)				229

(1) Refer to **Section 2.C** for population data sources.

(2) Based on District records of gross well production

The calculation in **Table 5** above yields a five-year baseline water use of 229 gpcd. In accordance with step 2 above, multiplying the five-year baseline by 0.95 yields a value of 218 gpcd.

Pursuant to Water Code 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 182 gpcd is less than the 218 gpcd result described above, the District meets the minimum water use reduction requirement set forth in Water Code Section 10608.22.

D. INTERIM URBAN WATER USE TARGET

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 Water Code 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 227 gpcd and its urban water use target of 182 gpcd, the District's interim urban water use target is 204 gpcd.

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

Currently, the District's service area consists of approximately 26,200 residents, a small commercial and industrial sector, a small institutional sector, and few landscape connections. About 80 percent of the water produced by the District is used by residential services. **Table 6** is arranged by customer type and shows historic and projected numbers of customer connections and quantities of water to be delivered. **Table 7** lists quantities of water for uses other than deliveries to customers, and **Table 8** shows the District's total water use for 2005 through 2035 (past, current, and projected) as the sum of **Tables 6 and 7**.

Table 6 Past, Current, and Projected Water Deliveries (AF/yr)						
Year	Metered/ Unmetered⁽¹⁾	Water Use Sectors⁽²⁾	Residential	Commercial/ Institutional	Landscape	Total
2005	Metered	# of Accounts	6,027	370	6	6,403
		Deliveries	5,143	315	320	5,778
2010	Metered	# of Accounts	5,772	378	6	6,156
		Deliveries	4,414	289	599	5,302
2015	Metered	# of Accounts	7,733	484	8	8,225
		Deliveries ⁽³⁾	6,000	400	600	7,000
2020	Metered	# of Accounts	8,556	536	9	9,101
		Deliveries ⁽³⁾	6,400	400	600	7,400
2025	Metered	# of Accounts	9,049	567	10	9,626
		Deliveries ⁽³⁾	6,900	400	700	8,000
2030	Metered	# of Accounts	9,919	621	11	10,551
		Deliveries ⁽³⁾	7,200	500	700	8,400
2035	Metered	# of Accounts	10,624	665	12	11,301
		Deliveries ⁽³⁾	7,700	500	700	8,900

- (1) All of the District's connections are metered.
- (2) Includes deliveries for lower-income single family residences. See also **Section 3.F**.
- (3) Deliveries for 2015, 2020, 2025, 2030, and 2035 are based on projected population (see **Table 2** in **Section 2**) and the District's urban water use target (gpcd).

Table 7 Additional Water Uses and Losses (AF/yr)							
Water Use	2005	2010	2015	2020	2025	2030	2035
System Losses	526	482	600	700	700	800	800
Saline Barriers	0	0	0	0	0	0	0
Groundwater Recharge	0	0	0	0	0	0	0
Conjunctive Use	0	0	0	0	0	0	0
Raw Water	0	0	0	0	0	0	0
Recycled Water	0	0	0	0	0	0	0
Total	526	482	600	700	700	800	800

Table 8 Total Water Use (AF/yr) Past, Current, and Projected							
Water Distributed	2005	2010	2015	2020	2025	2030	2035
Sum of Tables 6 and 7	6,304	5,784	7,600	8,100	8,700	9,200	9,700

1. Residential Sector

The District's residential sector comprises its single family and multi-family customers. The residential sector accounts for approximately 94 percent of the District's service connections. 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 the decrease in water use from 2005 to 2010.

Numbers of accounts and quantities of water usage set forth in **Table 6** include accounts and usage for residential housing units needed for lower-income households, as required by Water Code Section 10631.1. See **Section 3.F** 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 much in the last decade or so, and is not expected to increase significantly over the next 25 years. The District's Commercial/Industrial water use is included in the Commercial/Institutional category in **Table 6**.

3. Institutional/Governmental Sector

The District has a stable institutional/governmental sector, comprised 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/Institutional category in **Table 6**.

4. Landscape/Recreational Sector

Landscape and recreational customer demand is expected to increase gradually over the next 25 years, due primarily to continued growth in visitor-serving facilities. Increased efficiency and landscape conversions at existing parks and facilities should help offset new demand resulting from projected increases in this sector. Landscape/Recreational water use is included in the Commercial/Institutional category in **Table 6**.

F. WATER SUPPLIES FOR LOWER-INCOME HOUSING

<p><u>Water Code</u></p> <p>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.</p>

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. RCSD's reliable supplies of high quality water to meet present and future needs in an environmentally and economically responsible manner.

Residential demand within RCSD's service area consists of residential, commercial, 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 5**.

For purposed of this UWMP and compliance with the Section 10631.1(a) of the California Water Code, an estimate for the water demands projected to meet low income households needs was attempted and is provided in the following paragraphs.

The water use projections set forth in **Table 6** include all projected water demands within RCSD's service area, including lower income households, as defined in Section 50079.5 of the Health and Safety Code. RCSD utilized the 2011 State Income Limits for Riverside County - Title 25 of California's Code of Regulations. The median household income for Riverside County is \$62,500 for a household with 4 persons. The low income level for households within RCSD's service area is \$52,400 (84 percent of the County's median household income with 4 persons per household).

Also, RCSD utilized the Census Bureau's 2005-2009 American Community Survey 5-Year Estimates for Household Median Incomes, per each Census tract number within the service area to estimate population considered to be low income for this analysis. The projected water demands for low income households were determined using the same procedure described in **Section 3**. The water demand projections for low income households are set forth in **Table 9**.

Table 9					
Low-Income Projected Water Demands (AF/yr)					
Supplier	2015	2020	2025	2030	2035
RCSD	4,260	4,540	4,880	5,150	5,430
Percent of Total Water Supply	56%	56%	56%	56%	56%

G. 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 (see **Section 4**), 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 No-Waste Ordinance, Water Shortage Emergency Resolutions, and New Connections During Water Shortage Moratorium. Copies of these documents are included in **Appendix F** of this 2010 UWMP. These measures give the District the 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.

In addition to no-waste water measures, the District is also currently implementing a tiered billing rate based on excess water use beyond its residential minimum monthly water service charge. The District is in the process of updating its rate structure to account for landscaping requirements and average number of persons per each individual dwelling unit within the service area. This system will assign a maximum monthly water usage to every dwelling unit and charge a higher rate for usage over the allotted volume. The new rate structure is scheduled to be implemented in 2012.

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 structures, including those

conservation measures discussed in **Section 6** of this UWMP. Methods to decrease water use within the District's service area will not place a disproportionate burden on any customer sector.

The District held a Public Hearing on November 3, 2011 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 2010 UWMP.

SECTION 4
SYSTEM SUPPLIES

**SECTION 4
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 South Basin or Basin) of the Upper Santa Ana Groundwater Basin.

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 2035, 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 4.A**, the District extracts groundwater from the Riverside South 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 Basin was last updated in 2004. The Riverside South Basin encompasses a surface area of 58,600 acres (92 square miles) within portions of Riverside and San Bernardino Counties. The Riverside South Basin underlies part of the Santa Ana River Valley in northwest Riverside County and southwest San Bernardino County. The Basin 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 Basin is adjudicated. According to the Judgment Case No. 78426, Section IX(b), 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 Municipal Water District (WMWD) shall provide replenishment in the following year equal to the excess extractions over such 20 percent peaking allowance."

Said judgment required the annual determination of extractions from the Riverside Basin area and further requires that WMWD replenish the 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 possibly be allocable to the groundwater extractors, including RCSD.

According to *California's Groundwater Bulletin 118* (2003), DWR does not characterize the Basin as overdrafted, but the Basin has the potential to be in overdraft. DWR has categorized the Basin's groundwater budget as Type A, which is defined by DWR as a budget which "indicates that much of the information needed to characterize the groundwater budget for the basin or subbasin [is] available".

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 groundwater supply consists exclusively of groundwater from the Riverside South 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 South Basin is currently the responsibility of WMWD and all groundwater extractors within the Basin, as described previously in **Section 4.B**.

Tables 10 and 11 include, respectively, the annual quantities of groundwater pumped by the District (potable and non-potable) during 2005 through 2010 and the quantities of groundwater projected to be pumped in 2015 through 2035, in five-year intervals.

Table 10						
Quantities of Groundwater Pumped (AF/yr)						
Basin Name	2005	2006	2007	2008	2009	2010
Riverside South Basin	6,398	7,043	7,260	6,681	6,609	6,527
Percent of Total Water Supply	100%	100%	100%	100%	100%	100%

Table 11					
Quantities of Groundwater Projected to be Pumped (AF/yr)					
Basin Name	2015	2020	2025	2030	2035
Riverside South Basin	7,600	8,100	8,700	9,200	9,700
Percent of Total Water Supply	100%	100%	100%	100%	100%

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

D. TRANSFER OPPORTUNITIES

<i>Water Code</i>	
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. These annual volumes purchased by JCSD are shown in Tables 12 and 13 and were excluded from the SBx7 7 baseline calculations. 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 may also receive water during emergency or peak summer periods.

This proposed 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 waterlines.

The District's current interconnection with JCSD includes facilities with an estimated capacity of approximately 500 gpm.

Table 12 Past Sales to Other Agencies		
Agency	Year	AF/yr
JCSD	2000	457
	2001	766
	2002	0
	2003	157
	2004	132
	2005	94
	2006	203
	2007	366
	2008	170
	2009	480
	2010	743

Table 13 Projected Sales to Other Agencies		
Agency	Year	AF/yr
JCSD	2015	400
	2020	500
	2025	500
	2030	500
	2035	500

The District may also temporarily connect an above ground 800 gpm interconnection with WMWD 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

Water Code

- 10631.** A plan shall be adopted in accordance with this chapter and shall do all of the following:
- (h) 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) is currently being developed by WMWD to capture and store water in the Bunker Hill Groundwater Basin in wet years in order to increase firm water supplies, reduce water costs, and improve water quality. The RCF project includes approximately 20 wells and 28 miles of pipeline capable of conveying 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 RCSD. 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, starting in the next one to two years. The project is expected to be completed within a ten year period, once it is initiated. The reach of the RCF that will supply water to the District will be constructed in the last phase of the project, according to the Draft EIR. 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 MWD's Mills Water 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 WMWD 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 MWD Mills Filtration 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 WMWD for groundwater extracted by the City of Riverside; however, negotiations to enter such an agreement have never 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

Water Code

- 10631.** A plan shall be adopted in accordance with this chapter and shall do all of the following:
- (i) 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.

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 (WQCP). 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 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 only 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 WQCP.

The WQCP is located on Acorn Street in the City of Riverside and treats the quantities of RCSD collected wastewater shown in **Table 14**. The current capacity of the WQCP 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 projected to be treated by the City of Riverside for the next 25 years are shown in **Table 15**.

Table 14 Quantities of RCSD Wastewater Treated at WQCP (AF/yr)					
2005	2006	2007	2008	2009	2010
2,368	2,348	2,276	2,322	2,253	2,230

Table 15 Projected Quantities of RCSD Wastewater Requiring Treatment and Disposal (AF/yr)					
	2015	2020	2025	2030	2035
Total	2,370	2,420	2,460	2,500	2,550

NOTE: All treatment plant effluent is treated to be used for irrigation or is discharged to the Santa Ana River

2. **Recycled Water Use**

a. Recycled Water Currently Being Used

Recycled water is currently unavailable in RCSD's service area.

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 California Department of Public Health 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. Because of this no potential uses of recycled water in RCSD's service area are discussed in this plan.

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

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 5

**WATER SUPPLY RELIABILITY AND WATER SHORTAGE
CONTINGENCY PLANNING**

**SECTION 5
WATER SUPPLY RELIABILITY AND
WATER SHORTAGE CONTINGENCY PLANNING**

A. WATER SUPPLY RELIABILITY

<i>Water Code</i>	
10631.	(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.

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 is not subject to seasonal or year-to-year climatic

change, it is not subject to short-term water shortages resulting from temporary dry weather conditions. As discussed in **Section 4.C** herein, the District and other groundwater users in the Santa Ana Watershed have been implementing ongoing groundwater management practices to extend the useful life of the groundwater resource to meet current and future demands. The District's demand management measures are described in **Section 6** of this UWMP.

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 anticipated water supply reliability during a single dry water year and during multiple dry water years is described in **Tables 16 and 17**. The basis of the water year data is indicated in **Table 18**.

The estimated groundwater supply of 14,000 AF/yr shown in **Tables 16 and 17** 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 2035, are shown in **Tables 19, 20, and 21**.

Table 16						
Groundwater Supply Reliability – Historic Conditions (AF/yr)						
Source	Normal Water Year	Single Dry Water Year	Multiple Dry Water Years			
			2005	2006	2007	2008
Potable Water Wells	14,000	14,000	14,000	14,000	14,000	14,000
Non-Potable Water Wells	3,000	3,000	3,000	3,000	3,000	3,000
Total Supply	17,000	17,000	17,000	17,000	17,000	17,000
Percent of Normal	---	100%	100%	100%	100%	100%

Table 17 Groundwater Supply Reliability – Current Conditions (AF/yr)				
Riverside South Basin	Average/Normal Water Year Supply	Multiple Dry Water Years Supply		
		2011	2012	2013
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 18 Basis of Water Year Data	
Water Year Type	Base Year(s)
Normal Water Year	2001
Single-Dry Water Year	2007
Multiple-Dry Water Years	2007-2009

Table 19 Projected Normal Year Supply and Demand Comparison					
	2015	2020	2025	2030	2035
Supply totals (AF/yr)	17,000	17,000	17,000	17,000	17,000
Demand totals (AF/yr)	7,600	8,100	8,700	9,200	9,700
Difference (supply minus demand, in AF/yr)	9,400	8,900	8,300	7,800	7,300
Difference as % of Supply	55%	52%	49%	46%	43%
Difference as % of Demand	123%	109%	95%	85%	75%

Table 20 Projected Single Dry Year Supply and Demand Comparison					
	2015	2020	2025	2030	2035
Supply totals (AF/yr)	17,000	17,000	17,000	17,000	17,000
Demand totals (AF/yr)	7,600	8,100	8,700	9,200	9,700
Difference (supply minus demand, in AF/yr)	9,400	8,900	8,300	7,800	7,300
Difference as % of Supply	55%	52%	49%	46%	43%
Difference as % of Demand	123%	109%	95%	85%	75%

Table 21 Projected Multiple Dry Years Supply and Demand Comparison					
	2015	2020	2025	2030	2035
Supply totals (AF/yr)	17,000	17,000	17,000	17,000	17,000
Demand totals (AF/yr)	7,600	8,100	8,700	9,200	9,700
Difference (supply minus demand, in AF/yr)	9,400	8,900	8,300	7,800	7,300
Difference as % of Supply	55%	52%	49%	46%	43%
Difference as % of Demand	123%	109%	95%	85%	75%

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 the WMWD and JCSD will provide lifeline water service in the event of catastrophic outages. See **Section 5.B**, 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 22** shows the production capability for each of the District's production wells.

Table 22 Supply Source Production Capability	
Well No.	Production Capacity (gpm)
Potable	
2	900
4	1,100
6	2,000
8	1,700
17	1,500
18	1,500
Potable Well Total	8,700
Non-Potable	
3	400
7	250
11	540
14	500
19/20	150
Non-Potable Total	1,850
Total	10,550

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 the WMWD and JCSD to make up the pumping shortfall (there is some emergency supply in storage).

As discussed in **Section 4.D**, the District has interconnection agreements with the WMWD and JCSD to ensure that an adequate supply of water is available should any of its supply facilities fail.

To limit time of non groundwater production, 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 the non-potable water irrigation wells if needed. The irrigation wells do not have backup power onsite.

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

B. WATER SHORTAGE CONTINGENCY ANALYSIS

Water Code

10632. The plan shall provide an urban water shortage contingency analysis which includes each of the following elements which are within the authority of the urban water supplier:
- (a) 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.
 - (b) 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.
 - (c) 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.
 - (d) 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.
 - (e) 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.
 - (f) Penalties or charges for excessive use, where applicable.
 - (g) An analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), 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.
 - (h) A draft water shortage contingency resolution or ordinance.
 - (i) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

1. Water Shortage Response

The District relies exclusively on groundwater as its source of supply, and periodic drought does not appear to affect the groundwater levels. Therefore, this Water Shortage Contingency Analysis focuses on water supply interruption resulting from equipment failure and disaster.

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.

As stated previously, the District's only water source is groundwater. 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, with the assistance of WMWD, Metropolitan Water District, and the Department of Water and Power, the "Emergency Handbook for Water Supply Managers" using SEMS (Standard Emergency Management System) framework as specified in Senate Bill 1841.

The District also 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 23** summarizes the actions the District is prepared to take in the event of a water supply interruption. **Section 5.B.6** 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 effect appropriate repairs or other needed remediation.

Table 23 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 25

The District has equipped a few of its wells and removal plants with emergency standby generators in the event of a regional power outage by the local electric service provider, only limited by the availability of diesel fuel. 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 5.A** of this UWMP, the District's estimated minimum water supply of 17,000 AF/yr for each of the next three water years (2011-2013) is based upon the District's driest 3-year historic sequence (2007-2009) 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 24** 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 24 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 (see **Table 25**) 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 5.B.7**.

During any declared water shortage, a customer who exceeds the established allotment will pay a surcharge of two times the highest rate tier per hundred cubic feet (ccf) of water for excess water delivered during the first or second billing period. For excess water delivered during the third and subsequent consecutive billing periods, a customer will be assessed a surcharge of four times the highest rate tier per ccf.

As stated previously, the District's only water source is groundwater. 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 25 Water Rationing Stages and Reduction Goals			
Shortage Condition	Stage	Customer Reduction Goal	Type of Rationing Program
25 – 40%	1	15%	Voluntary
40 – 50%	2	25%	Voluntary
50 – 60%	3	30%	Mandatory
60% +	4	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 24**), 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 G**.

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 F**.

If, during a period of peak demand, one pumping plant were out of service, the District may rely upon reserve capacity (see **Table 26**) 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 26 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 in **Section 4.D**, the District has interconnection agreements with the JCSD and WMWD 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 irrigation 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

Part 4, Section 3 of the District's Ordinance No. 38 prohibits consumers from permitting leaks or waste of water. To further clarify this prohibition, the District has prepared a No. Waste Ordinance (Draft) (see **Appendix F**). 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 657 already directs contractors to use the District's non-potable water wells for all construction purposes.

Table 27 lists examples of consumption reduction measures, as well as the water supply shortage stage when the method takes effect. **Table 28** lists mandatory prohibitions on water use, and when each prohibition takes effect.

Table 27 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
Mandatory rationing	2, 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 28 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

See **Appendix F**, the No Waste Ordinance (Draft) and Moratorium on New Connections during a Water Shortage (Draft), which details the reduction methods shown in **Table 27**.

b. Excessive Use Penalties

The District's current rate structure is provided in Ordinance Nos. 96 and 97, which are incorporated herein by reference and is available for review at the District's office. 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 100 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 is described in **Table 29**.

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 the 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 29 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 annual income from water sales for the 2009/2010 fiscal year was approximately \$4,500,000. 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 30 through 33 summarize actions and conditions that impact revenues and expenditures, as well as proposed measures to overcome the impacts of such actions and conditions.

Table 30 Actions and Conditions that Impact Revenues	
Type	Anticipated Revenue Reduction
Natural Disaster	Dependent on severity
Plant Failure	Minimum revenue reduction

Table 31 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 32 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 33 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

C. 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 South Basin has experienced concentrations of constituents that have exceeded state Maximum Contaminant Limits (MCLs). The two constituents that have been address by the District are nitrates (NO₃) and manganese (Mn).

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.

2. Nitrate

In the past the District observed increasing nitrate concentrations in some of the wells within the service area. The California Primary Maximum Contaminant Level (MCL) for Nitrate is 45 milligrams per liter (mg/L), or parts per million (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 MCL. Water from Well 2 is blended with water from Well 8 and 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 2010 Consumer Confidence Report, RCSD reported that the average concentration of nitrate in the community's drinking water was 23 ppm, ranging between 16 and 29 ppm.

3. Manganese

Water produced by District Wells 1 and 5 contained manganese in excess of the California Secondary Maximum Contamination Limit (MCL of 50 parts per billion (ppb)). Therefore, in 1996, the District constructed the 500 gpm LaVerne J. Mahnke Manganese Treatment Facility to treat water from Wells 1 and 5. Well 1 was destroyed in 2002, and Well 5 is currently on standby. The manganese treatment facility currently treats water produced by Well 17 and 18. In 2003, the manganese treatment facility was expanded to its current capacity of 3,000 gpm, and is currently undergoing an additional expansion.

Treated water from the manganese treatment facility is blended with water produced by Wells 2 and 8 to produce blended water with manganese concentrations less than the MCL. Water from Well 8 contains manganese concentrations that approach the secondary MCL, and will be treated through the expanded manganese treatment facility beginning in 2012.

In the District's 2010 Consumer Confidence Report, RCSD reported that the average concentration of manganese in the community's drinking water was <20 ppb, ranging between <20 and 28 ppb.

SECTION 6

DEMAND MANAGEMENT MEASURES

**SECTION 6
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 description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:
- (A) Water survey programs for single family residential and multifamily residential customers.
 - (B) Residential plumbing retrofit.
 - (C) System water audits, leak detection, and repair.
 - (D) Metering with commodity rates for all new connections and retrofit of existing connections.
 - (E) Large landscape conservation programs and incentives.
 - (F) High-efficiency washing machine rebate programs.
 - (G) Public information programs.
 - (H) School education programs.
 - (I) Conservation programs for commercial, industrial, and institutional accounts.
 - (J) Wholesale agency programs.
 - (K) Conservation pricing.
 - (L) Water conservation coordinator.
 - (M) Water waste prohibition.
 - (N) Residential ultra-low-flush toilet replacement programs.
- (2) A schedule of implementation for all water demand management measures proposed or described in the plan.
- (3) A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.
- (4) An estimate, if available, of existing conservation savings water use within the supplier's service area, and the effect of the savings on the supplier's ability to further reduce demand.

Water Code (Continued)

(g) An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:

(1) Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.

(2) Include a cost-benefit analysis, identifying total benefits and total costs.

(3) Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.

(4) Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.

(j) 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 subdivisions (f) and (g) 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.

The Best Management Practices (BMPs) that are defined by the California Urban Water Conservation Council (CUWCC) in the *Memorandum of Understanding Regarding Urban Water Conservation in California* (MOU), as amended, generally correspond to the Demand Management Measures set forth in Section 10631(f) of the Water Code. The CUWCC was formed to increase efficient water use statewide through partnerships among urban water agencies, public interest organizations, and private entities. The District is a signatory to the MOU, and is therefore a member of the CUWCC.

Pursuant to Water Code Section 10631(j), water suppliers may meet the requirements for Demand Management Measures (as set forth in Water Code Sections 10631(f) and 10631(g)) by complying with all provisions of the MOU, as amended, and by submitting the annual reports required by said MOU. In accordance with Water Code Section 10631(j), the District has elected to provide documentation of compliance with the MOU in order to meet the requirements related to Demand Management Measures.

Documents listed below are included in **Appendix H**:

- Copies of Annual BMP Reports submitted to CUWCC in 2011.
- Copy of letter from DWR to RCSD (pending, not yet received at time of plan adoption).

SECTION 7
COMPLETED UWMP CHECKLIST

SECTION 7
COMPLETED UWMP CHECKLIST

The completed Urban Water Management Plan Checklist has been included to demonstrate that this UWMP meets all applicable requirements. The checklist is included on the pages following.

Table I-2 Urban Water Management Plan checklist, organized by subject

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
PLAN PREPARATION				
4	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.	10620(d)(2)		Section 1A
6	Notify, at least 60 days prior to the public hearing on the plan required by Section 10642, 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. Any city or county receiving the notice may be consulted and provide comments.	10621(b)		Section 1A
7	Provide supporting documentation that the UWMP or any amendments to, or changes in, have been adopted as described in Section 10640 et seq.	10621(c)		Appendix A
54	Provide supporting documentation that the urban water management 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 this urban water management plan.	10635(b)		Appendix B
55	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.	10642		Appendix B
56	Provide supporting documentation that the urban water supplier made the plan available for public inspection and held a public hearing about the plan. For public agencies, the hearing notice is to be provided pursuant to Section 6066 of the Government Code. The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water. Privately-owned water suppliers shall provide an equivalent notice within its service area.	10642		Appendix B
57	Provide supporting documentation that the plan has been adopted as prepared or modified.	10642		Appendix A
58	Provide supporting documentation as to how the water supplier plans to implement its plan.	10643		Section 1C Section 3G

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
59	Provide supporting documentation that, in addition to submittal to DWR, the urban water supplier has submitted this UWMP to 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. This also includes amendments or changes.	10644(a)		Appendix B
60	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the urban water supplier has or will make the plan available for public review during normal business hours	10645		Section 1B Appendix B
SYSTEM DESCRIPTION				
8	Describe the water supplier service area.	10631(a)		Section 2B
9	Describe the climate and other demographic factors of the service area of the supplier	10631(a)		Section 2B, 2D, and 2E
10	Indicate the current population of the service area	10631(a)	Provide the most recent population data possible. Use the method described in "Baseline Daily Per Capita Water Use." See Section M.	Section 2C
11	Provide population projections for 2015, 2020, 2025, and 2030, based on data from State, regional, or local service area population projections.	10631(a)	2035 and 2040 can also be provided to support consistency with Water Supply Assessments and Written Verification of Water Supply documents.	Section 2C
12	Describe other demographic factors affecting the supplier's water management planning.	10631(a)		Section 2E
SYSTEM DEMANDS				
1	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.	10608.20(e)		Section 3A-3D
2	<i>Wholesalers:</i> Include an assessment of present and proposed future measures, programs, and policies to help achieve the water use reductions. <i>Retailers:</i> Conduct at least one public hearing that includes general discussion of the urban retail water supplier's implementation plan for complying with the Water Conservation Bill of 2009.	10608.36 10608.26(a)	Retailers and wholesalers have slightly different requirements	Section 3G Appendix A

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
3	Report progress in meeting urban water use targets using the standardized form.	10608.40		N/A
25	Quantify past, current, and projected water use, identifying the uses among water use sectors, for the following: (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, conjunctive use, and (I) agriculture.	10631(e)(1)	Consider 'past' to be 2005, present to be 2010, and projected to be 2015, 2020, 2025, and 2030. Provide numbers for each category for each of these years.	Section 3E
33	Provide documentation that either the retail agency provided the wholesale agency with water use projections for at least 20 years, if the UWMP agency is a retail agency, OR, if a wholesale agency, it provided its urban retail customers with future planned and existing water source available to it from the wholesale agency during the required water-year types	10631(k)	Average year, single dry year, multiple dry years for 2015, 2020, 2025, and 2030.	N/A
34	Include projected water use for single-family and multifamily residential housing needed for lower income households, as identified in the housing element of any city, county, or city and county in the service area of the supplier.	10631.1(a)		Section 3E and 3F
SYSTEM SUPPLIES				
13	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, and 2030.	10631(b)	The 'existing' water sources should be for the same year as the "current population" in line 10. 2035 and 2040 can also be provided.	Section 4A-4C
14	Indicate whether groundwater is an existing or planned source of water available to the supplier. If yes, then complete 15 through 21 of the UWMP Checklist. If no, then indicate "not applicable" in lines 15 through 21 under the UWMP location column.	10631(b)	Source classifications are: surface water, groundwater, recycled water, storm water, desalinated sea water, desalinated brackish groundwater, and other.	Section 4A
15	Indicate whether a groundwater management plan 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.	10631(b)(1)		Section 4C
16	Describe the groundwater basin.	10631(b)(2)		Section 4B
17	Indicate whether the groundwater basin is adjudicated? Include a copy of the court order or decree.	10631(b)(2)		Section 4B

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
18	Describe the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. If the basin is not adjudicated, indicate “not applicable” in the UWMP location column.	10631(b)(2)		N/A
19	For groundwater basins that are not adjudicated, provide information as to whether DWR 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. If the basin is adjudicated, indicate “not applicable” in the UWMP location column.	10631(b)(2)		Section 4B
20	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	10631(b)(3)		Section 4C
21	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	10631(b)(4)	Provide projections for 2015, 2020, 2025, and 2030.	Section 4C
24	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	10631(d)		Section 4D
30	Include a detailed description of all 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, excluding demand management programs addressed in (f)(1). Include specific projects, describe water supply impacts, and provide a timeline for each project.	10631(h)		Section 4E
31	Describe desalinated water project opportunities for long-term supply, including, but not limited to, ocean water, brackish water, and groundwater.	10631(i)		Section 4F
44	Provide information on recycled water and its potential for use as a water source in the service area of the urban water supplier. Coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	10633		Section 4G
45	Describe 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.	10633(a)		Section 4G

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
46	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.	10633(b)		Section 4G
47	Describe the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.	10633(c)		Section 4G
48	Describe and quantify 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.	10633(d)		Section 4G
49	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.	10633(e)		Section 4G
50	Describe the 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.	10633(f)		Section 4G
51	Provide 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.	10633(g)		Section 4G
WATER SHORTAGE RELIABILITY AND WATER SHORTAGE CONTINGENCY PLANNING ^b				
5	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	10620(f)		Section 1C Section 5A-5C
22	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage and provide data for (A) an average water year, (B) a single dry water year, and (C) multiple dry water years.	10631(c)(1)		Section 5A
23	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.	10631(c)(2)		Section 5A
35	Provide an urban water shortage contingency analysis that specifies stages of action, including up to a 50-percent water supply reduction, and an outline of specific water supply conditions at each stage	10632(a)		Section 5B

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
36	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's water supply.	10632(b)		Section 5A
37	Identify 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.	10632(c)		Section 5B
38	Identify 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.	10632(d)		Section 5B
39	Specify 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.	10632(e)		Section 5B(6)
40	Indicated penalties or charges for excessive use, where applicable.	10632(f)		Section 5B(6)
41	Provide an analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), 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.	10632(g)		Section 5B(8)
42	Provide a draft water shortage contingency resolution or ordinance.	10632(h)		Section 5B Appendix E
43	Indicate a mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.	10632(i)		Section 5B(7)
52	Provide information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments, and the manner in which water quality affects water management strategies and supply reliability	10634	For years 2010, 2015, 2020, 2025, and 2030	Section 5C

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
53	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, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. Base the assessment on the information compiled under Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.	10635(a)		Section 5A
DEMAND MANAGEMENT MEASURES				
26	Describe how each water demand management measures is being implemented or scheduled for implementation. Use the list provided.	10631(f)(1)	Discuss each DMM, even if it is not currently or planned for implementation. Provide any appropriate schedules.	Section 6
27	Describe the methods the supplier uses to evaluate the effectiveness of DMMs implemented or described in the UWMP.	10631(f)(3)		Section 6
28	Provide an estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the ability to further reduce demand.	10631(f)(4)		Section 6
29	Evaluate each water demand management measure that is not currently being implemented or scheduled for implementation. The evaluation should include economic and non-economic factors, cost-benefit analysis, available funding, and the water suppliers' legal authority to implement the work.	10631(g)	See 10631(g) for additional wording.	Section 6
32	Include the annual reports submitted to meet the Section 6.2 requirements, if a member of the CUWCC and signer of the December 10, 2008 MOU.	10631(j)	Signers of the MOU that submit the annual reports are deemed compliant with Items 28 and 29.	Section 6

a The UWMP Requirement descriptions are general summaries of what is provided in the legislation. Urban water suppliers should review the exact legislative wording prior to submitting its UWMP.

b The Subject classification is provided for clarification only. It is aligned with the organization presented in Part I of this guidebook. A water supplier is free to address the UWMP Requirement anywhere with its UWMP, but is urged to provide clarification to DWR to facilitate review.

FIGURES



LEGEND

- · - · - EXISTING RCSD BOUNDARY
- - - - - ULTIMATE SERVICE AREA BOUNDARY



KRIEGER & STEWART INCORPORATED
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RUBIDOUX COMMUNITY SERVICES DISTRICT

URBAN WATER MANAGEMENT PLAN

SERVICE AREA

FIGURE

1

SCALE: 1"=2000'

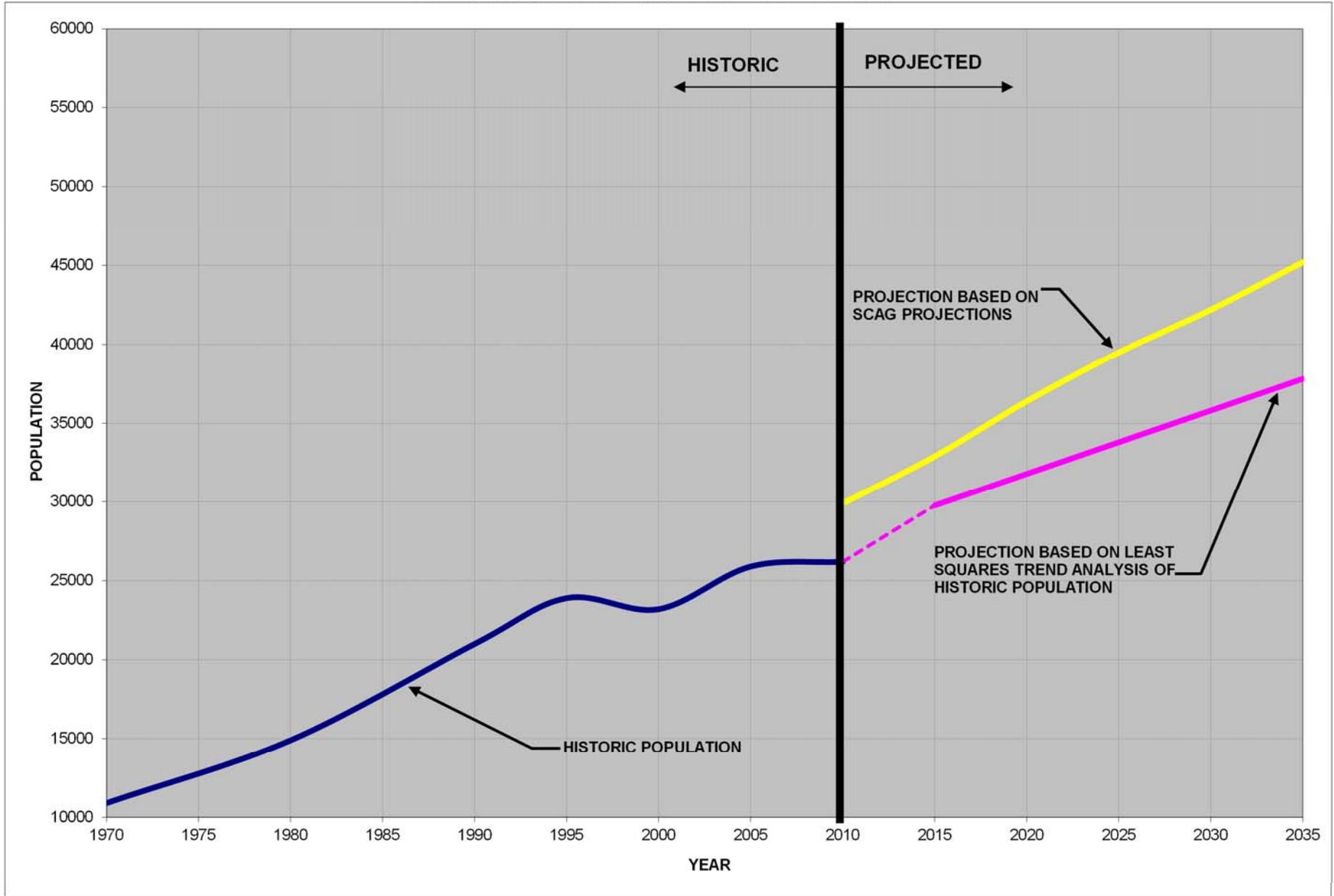
DATE: 07/19/11

DRAWN BY: XXX

CHECKED BY: KJL

W.O.: 587-31.6

FIGURE 2
RUBIDOUX COMMUNITY SERVICES DISTRICT
URBAN WATER MANAGEMENT PLAN
POPULATION GROWTH WITHIN RCSD SERVICE AREA



APPENDIX A

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

WATER CODE

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.

WATER CODE

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.

(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.

(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.

WATER CODE

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 subdivision (a) 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:

(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 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 required pursuant to Part 2.6 (commencing with Section 10610) 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.
 - (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 (1) 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) An urban retail water supplier shall be 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 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.

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 United States Department of Defense military installation's requirements under federal Executive Order 13423.

(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. The department shall review the 2015 urban water management plans and report to the Legislature by December 31, 2016, 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 in order to achieve the 20-percent reduction and to reflect updated efficiency information and technology changes.

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 on facilities it operates to support urban retail water suppliers in meeting the target identified in Section 10608.16.

WATER CODE

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.

(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.

WATER CODE

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.

WATER CODE

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.

WATER CODE

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.

(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.

WATER CODE

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.

WATER CODE

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.

WATER CODE

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.

WATER CODE

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.

(b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days prior to 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).

WATER CODE

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 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.

(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.

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

(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1) A description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:

- (A) Water survey programs for single-family residential and multifamily residential customers.
- (B) Residential plumbing retrofit.
- (C) System water audits, leak detection, and repair.
- (D) Metering with commodity rates for all new connections and retrofit of existing connections.
- (E) Large landscape conservation programs and incentives.
- (F) High-efficiency washing machine rebate programs.
- (G) Public information programs.
- (H) School education programs.
- (I) Conservation programs for commercial, industrial, and institutional accounts.
- (J) Wholesale agency programs.
- (K) Conservation pricing.
- (L) Water conservation coordinator.
- (M) Water waste prohibition.
- (N) Residential ultra-low-flush toilet replacement programs.

(2) A schedule of implementation for all water demand management measures proposed or described in the plan.

(3) A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.

(4) An estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the supplier's ability to further reduce demand.

(g) An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:

(1) Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.

(2) Include a cost-benefit analysis, identifying total benefits

and total costs.

(3) Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.

(4) Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.

(h) 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, other than the demand management programs identified pursuant to paragraph (1) of subdivision (f), 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.

(i) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.

(j) 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 subdivisions (f) and (g) 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.

(k) Urban water suppliers that rely 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.

10631.5. (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. The plan shall provide an urban water shortage contingency

analysis which includes each of the following elements which are within the authority of the urban water supplier:

(a) 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.

(b) 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.

(c) 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.

(d) 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.

(e) 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.

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

(g) An analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), 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.

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

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

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.

WATER CODE 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.

WATER CODE

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) 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.

(b) 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.

(c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report those 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.

WATER CODE

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.

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

APPENDIX B

- **DOCUMENTATION OF SUBMITTAL OF UWMP TO DWR, CALIFORNIA STATE LIBRARY, AND OTHERS**
- **PUBLIC HEARING NOTICES**
- **60-DAY NOTICE TO CITIES AND COUNTIES WITHIN WHICH RCSD PROVIDES WATER SERVICE**

**DOCUMENTATION OF SUBMITTAL OF UWMP TO
DWR, CALIFORNIA STATE LIBRARY, AND OTHERS**

KRIEGER & STEWART, INCORPORATED
Engineering Consultants
 3602 University Avenue
 RIVERSIDE, CA 92501
(951) 684-6900

LETTER OF TRANSMITTAL

DATE November 22, 2011	JOB NO. 587-31.6
ATTENTION Coordinator, Urban Water Management Plans	
RE: Rubidoux Community Services District 2010 Urban Water Management Plan	

TO: California Department of Water Resources
Statewide Integrated Water Management
Water Use Efficiency Branch
901 P Street
Sacramento, CA 95814-3515

WE ARE SENDING YOU VIA UPS GROUND THE FOLLOWING ITEMS:

COPIES	DATE	DESCRIPTION
1	11/14/11	2010 Urban Water Management Plan (adopted November 3, 2011)
1		CD containing pdf of 2010 UWMP

THESE ARE TRANSMITTED: FOR YOUR USE

REMARKS:

COPY TO: _____

SIGNED: David F. Scriven/blt

KRIEGER & STEWART, INCORPORATED
Engineering Consultants
 3602 University Avenue
 RIVERSIDE, CA 92501
(951) 684-6900

LETTER OF TRANSMITTAL

DATE November 22, 2011	JOB NO. 587-31.6
ATTENTION Coordinator, Urban Water Management Plans	
RE: Rubidoux Community Services District 2010 Urban Water Management Plan	

TO: California State Library
 Government Publications Section

 900 N Street, Room 100

 Sacramento, CA 95814

WE ARE SENDING YOU VIA UPS GROUND THE FOLLOWING ITEMS:

COPIES	DATE	DESCRIPTION
1	11/14/11	2010 Urban Water Management Plan (adopted November 3, 2011)

THESE ARE TRANSMITTED: FOR YOUR USE

REMARKS:

COPY TO: _____

SIGNED: David F. Scriven/blt

KRIEGER & STEWART, INCORPORATED
Engineering Consultants
 3602 University Avenue
 RIVERSIDE, CA 92501
(951) 684-6900

LETTER OF TRANSMITTAL

DATE November 22, 2011	JOB NO. 587-31.6
ATTENTION Gary Valladao, System Manager	
RE: Rubidoux Community Services District 2010 Urban Water Management Plan	

TO: City of Riverside
 Water Quality Control Plant

 5950 Acorn Street

 Riverside, CA 92504

WE ARE SENDING YOU VIA UPS GROUND THE FOLLOWING ITEMS:

COPIES	DATE	DESCRIPTION
1	11/14/11	2010 Urban Water Management Plan (adopted November 3, 2011)

THESE ARE TRANSMITTED: FOR YOUR USE

REMARKS:

COPY TO: _____

SIGNED: David F. Scriven/blt

KRIEGER & STEWART, INCORPORATED
Engineering Consultants
 3602 University Avenue
 RIVERSIDE, CA 92501
(951) 684-6900

LETTER OF TRANSMITTAL

DATE November 22, 2011	JOB NO. 587-31.6
ATTENTION Lori Wolfe	
RE: Rubidoux Community Services District 2010 Urban Water Management Plan	

TO: City of Jurupa Valley
Engineering Department

8304 Limonite Avenue, Suite M

Jurupa Valley, CA 92509

WE ARE SENDING YOU VIA UPS GROUND THE FOLLOWING ITEMS:

COPIES	DATE	DESCRIPTION
1	11/14/11	2010 Urban Water Management Plan (adopted November 3, 2011)

THESE ARE TRANSMITTED: FOR YOUR USE

REMARKS:

COPY TO: _____

SIGNED: David F. Scriven/blt

KRIEGER & STEWART, INCORPORATED
Engineering Consultants
 3602 University Avenue
 RIVERSIDE, CA 92501
(951) 684-6900

LETTER OF TRANSMITTAL

DATE November 22, 2011	JOB NO. 587-31.6
ATTENTION Carolyn Sims Luna, Planning Director	
RE: Rubidoux Community Services District 2010 Urban Water Management Plan	

TO: County of Riverside
 Planning Department

 4080 Lemon Street, 12th Floor

 Riverside, CA 92501

WE ARE SENDING YOU VIA UPS GROUND THE FOLLOWING ITEMS:

COPIES	DATE	DESCRIPTION
1	11/14/11	2010 Urban Water Management Plan (adopted November 3, 2011)

THESE ARE TRANSMITTED: FOR YOUR USE

REMARKS:

COPY TO: _____

SIGNED: David F. Scriven/blt

KRIEGER & STEWART, INCORPORATED
Engineering Consultants
 3602 University Avenue
 RIVERSIDE, CA 92501
(951) 684-6900

LETTER OF TRANSMITTAL

DATE November 22, 2011	JOB NO. 587-31.6
ATTENTION Granville M. Bowman, Director	
RE: Rubidoux Community Services District 2010 Urban Water Management Plan	

TO: County of San Bernardino
 Department of Public Works

 825 East 3rd Street

 San Bernardino, CA 92415

WE ARE SENDING YOU VIA UPS GROUND THE FOLLOWING ITEMS:

COPIES	DATE	DESCRIPTION
1	11/14/11	2010 Urban Water Management Plan (adopted November 3, 2011)

THESE ARE TRANSMITTED: FOR YOUR USE

REMARKS:

COPY TO: _____

SIGNED: David F. Scriven/blt

PUBLIC HEARING NOTICES

THE PRESS-ENTERPRISE

3450 Fourteenth Street
Riverside, CA 92501-3878
951-684-1200
951-368-9018 FAX

PROOF OF PUBLICATION (2010, 2015.5 C.C.P)

Publication(s): Press-Enterprise

PROOF OF PUBLICATION OF

Ad Desc.: /

I am a citizen of the United States. I am over the age of eighteen years and not a party to or interested in the above entitled matter. I am an authorized representative of THE PRESS-ENTERPRISE, a newspaper in general circulation, printed and published daily in the County of Riverside, and which newspaper has been adjudicated a newspaper of general circulation by the Superior Court of the County of Riverside, State of California, under date of April 25, 1952, Case Number 54446, under date of March 29, 1957, Case Number 65673, and under date of August 25, 1995, Case Number 267864; that the notice, of which the annexed is a printed copy, has been published in said newspaper in accordance with the instructions of the person(s) requesting publication, and not in any supplement thereof on the following dates, to wit:

10/19, 10/26/2011

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Date: October 26, 2011
At: Riverside, California



RUBIDOUX CSD
3590 RUBIDOUX BLVD
RIVERSIDE, CA 92509

Ad Number: 0000646504-01

P.O. Number:

Ad Copy:

NOTICE OF PUBLIC HEARING OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT PROPOSED UR- BAN WATER MANAGEMENT PLAN (2010)

Notice is hereby given that the Board of Directors of the Rubidoux Community Services District will conduct a Public Hearing on Thursday, November 3, 2011, at 4:00 PM, at the regular meeting of the Board of Directors, located at 3590 Rubidoux Boulevard, Rubidoux, California 92509.

The public hearing is set for the purpose of receiving comments on the District's Proposed Urban Water Management Plan (2010).

A copy of the proposed plan is available for public inspection, at the District office located at 3509 Rubidoux Boulevard, Rubidoux California, during normal business hours (Monday through Friday, 8:00 AM to 5:00 PM).

RUBIDOUX COMMUNITY SERVICES DISTRICT
RUBIDOUX, CALIFORNIA
Dated: October 14, 2011
By: David D. Lopez
General Manager

10/19, 26

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

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

Notice is hereby given that the Rubidoux Community Services District is in the process of reviewing its Urban Water Management Plan and considering amendments or changes thereto.

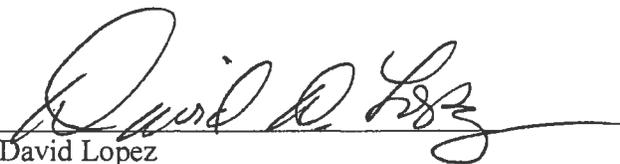
The public hearing is tentatively scheduled for October 20, 2011 (beginning at 4:00 PM). The Board of Directors of the District will conduct the public hearing at 3590 Rubidoux Boulevard, Rubidoux, California. Adoption of the plan may follow the hearing.

The public notice will be published twice in the Press Enterprise, once per week for two consecutive weeks 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 plan, or may submit written comments to the District.

When completed, a draft copy of Rubidoux Community Services District's "2010 Urban Water Management Plan" will be made available at the office of the Rubidoux Community Services District, 3590 Rubidoux Boulevard, Rubidoux, California.

Dated: August 19, 2011


David Lopez
General Manager
Rubidoux Community Services District

APPENDIX C

PUBLIC COMMENTS TO THE DRAFT PLAN AND RESPONSES

NO COMMENTS RECEIVED

APPENDIX D

RESOLUTION ADOPTING THE 2010 URBAN WATER MANAGEMENT PLAN

RESOLUTION NO. 2011-805

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT,
RIVERSIDE COUNTY, CALIFORNIA,
ADOPTING THE 2010 URBAN WATER MANAGEMENT PLAN**

WHEREAS the California Legislature enacted Assembly Bill 797 (Water Code Section 10610 et seq., known as the Urban Water Management Planning Act) during the 1983-1984 Regular Session, and as amended subsequently, which mandates that every supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre feet of water annually, prepare an Urban Water Management Plan, the primary objective of which is to plan for the conservation and efficient use of water; and

WHEREAS the District is an urban supplier of water providing water to a population over 31,000; and

WHEREAS the Plan shall be periodically reviewed at least once every five years, and that the District shall make any amendments or changes to its plan which are indicated by the review; and

WHEREAS the Plan must be adopted by the Board of Directors, after public review and hearing, and filed with the California Department of Water Resources within thirty days of adoption; and

WHEREAS, District staff has, therefore, prepared and made available to the public for inspection a proposed Urban Water Management Plan dated October 2011, in compliance with the requirements contained in Part 2.6 of Division 6 of the Water Code of the State of California; and

WHEREAS, the aforesaid plan is entitled "Rubidoux Community Services District 2010 Urban Water Management Plan";

WHEREAS, this Board of Directors duly called and noticed a public hearing on the aforesaid plan to be held on November 3, 2011, at the hour of 4:00 PM; and

WHEREAS, a Notice of Hearing was duly published pursuant to Section 6066 of the Government Code of the State of California; and

WHEREAS, the aforesaid hearing called by the Board of Directors has been duly held and concluded; and

NOW, THEREFORE, BE IT RESOLVED AND ORDERED by this Board of Directors, as follows:

Section 1. That all the foregoing is true and correct.

Section 2. That the aforesaid Rubidoux Community Services District 2010 Urban Water Management Plan is hereby adopted.

INTRODUCED AND ADOPTED ON THE 3RD DAY OF NOVEMBER 2011, UPON THE FOLLOWING ROLL CALL VOTE:

AYES: Armando Muniz, Ruth Anderson Wilson, F. Forest Trowbridge

NOES: None

ABSENT: C. Marsden Smith, Gail Barclay

ABSTENTIONS: None

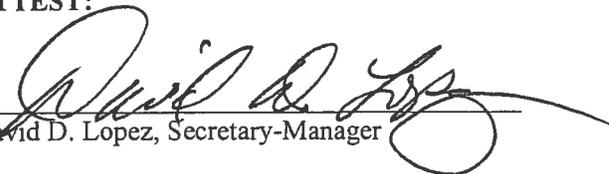


ARMANDO MUNIZ, VP
FOR

C. Marsden Smith, President
Rubidoux Community Services District

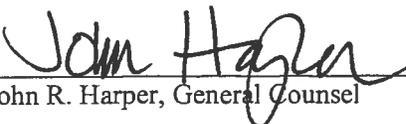
(SEAL)

ATTEST:



David D. Lopez, Secretary-Manager

APPROVED TO FORM AND CONTENT:



John R. Harper, General Counsel

APPENDIX E
CLIMATE AND EVAPOTRANSPIRATION DATA

RIVERSIDE CITRUS EXP ST, CALIFORNIA (047473)

Period of Record Monthly Climate Summary

Period of Record : 7/ 1/1948 to 9/30/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	66.6	67.9	70.2	75.1	79.6	86.5	94.0	94.4	90.7	82.5	73.5	67.5	79.0
Average Min. Temperature (F)	41.7	43.3	45.0	47.9	52.7	56.3	60.8	61.3	58.5	52.5	45.5	41.3	50.5
Average Total Precipitation (in.)	2.12	2.16	1.64	0.78	0.23	0.06	0.04	0.11	0.24	0.32	0.92	1.22	9.86
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	0.0
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.: 85.3% Min. Temp.: 85.3% Precipitation: 91.5% Snowfall: 85.8% Snow Depth: 85.8%

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

Western Regional Climate Center, wrcc@dri.edu

CIMIS (California Irrigation Management Information System)

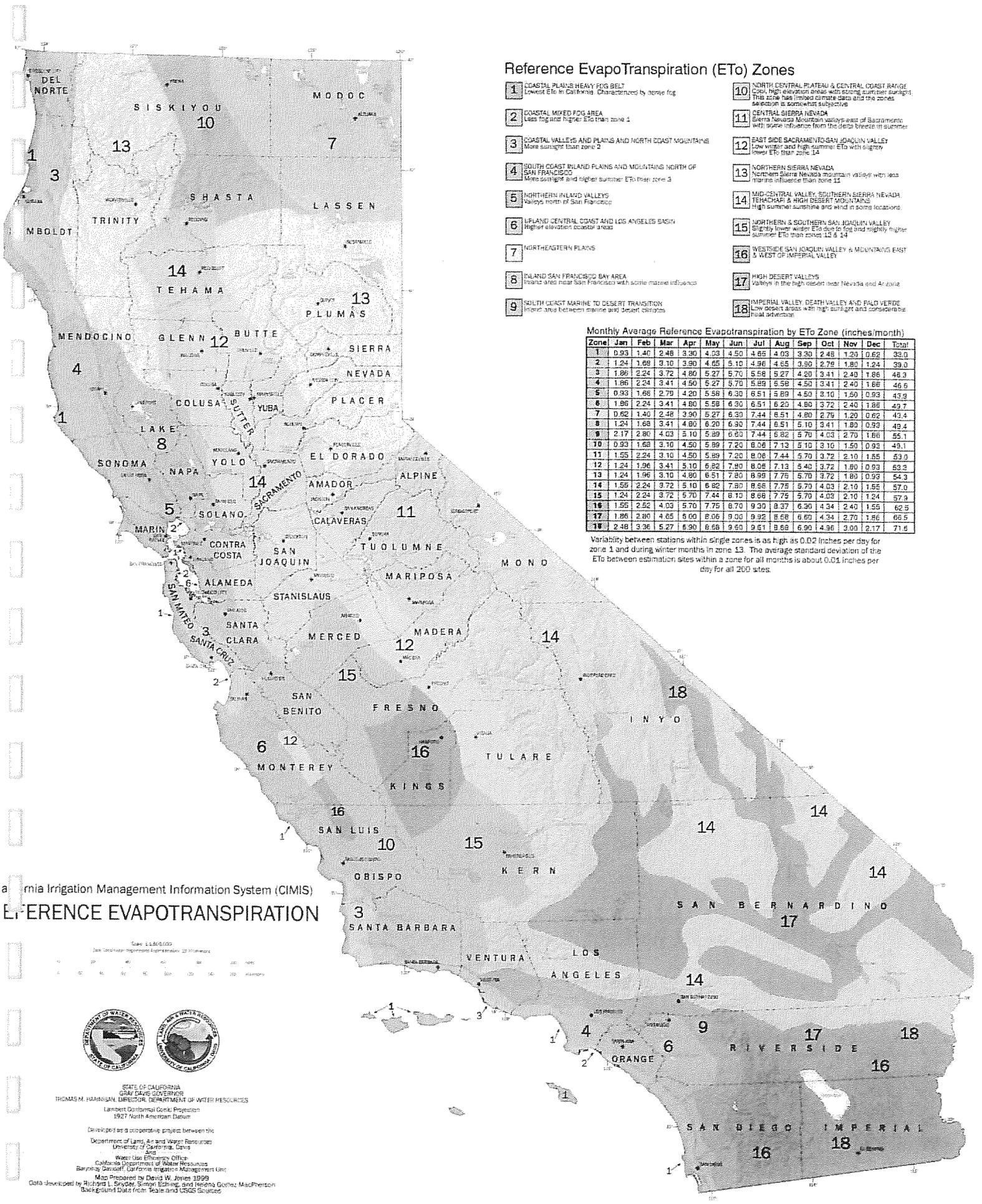
Monthly Average ETo Report

Rendered in ENGLISH Units.

Printed on June 20, 2011

Number	Name	Region
44	U.C. Riverside	Los Angeles Basin

Stn	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
44	2.49	2.91	4.16	5.27	5.94	6.56	7.22	6.92	5.35	4.05	2.94	2.56	56.37



Reference EvapoTranspiration (ET0) Zones

- 1** COASTAL PLAINS HEAVY FOG BELT
Lowest ET0 in California. Characterized by dense fog.
- 2** COASTAL MIXED FOG AREA
Less fog and higher ET0 than zone 1.
- 3** COASTAL VALLEYS AND PLAINS AND NORTH COAST MOUNTAINS
More sunnier than zone 2.
- 4** SOUTH COAST ISLAND PLAINS AND MOUNTAINS NORTH OF SAN FRANCISCO
More sunnier and higher summer ET0 than zone 3.
- 5** NORTHERN ISLAND VALLEYS
Valleys north of San Francisco.
- 6** UPLAND CENTRAL COAST AND LOS ANGELES BASIN
Higher elevation coastal areas.
- 7** NORTHEASTERN PLAINS
- 8** ISLAND SAN FRANCISCO BAY AREA
Island area near San Francisco with ocean marine influence.
- 9** SOUTH COAST MARINE TO DESERT TRANSITION
Intersect area between marine and desert climates.
- 10** NORTH CENTRAL PLATEAU & CENTRAL COAST RANGE
Cool, high elevation areas with strong summer sunlight. This zone has limited climate data and the zones selection is somewhat subjective.
- 11** CENTRAL SIERRA NEVADA
Sierra Nevada Mountain valleys east of Sacramento with ocean influence from the delta breeze in summer.
- 12** EAST SIDE SACRAMENTO-SAN JOAQUIN VALLEY
Low winter and high summer ET0 with ocean power ET0 than zone 14.
- 13** NORTHERN SIERRA NEVADA
Northern Sierra Nevada mountain valleys with less marine influence than zone 12.
- 14** MID-CENTRAL VALLEY, SOUTHERN SIERRA NEVADA, TEHACHARI & HIGH DESERT MOUNTAINS
High summer sunshine and wind in some locations.
- 15** NORTHERN & SOUTHERN SAN JOAQUIN VALLEY
Slightly lower winter ET0 due to fog and slightly higher summer ET0 than zones 12 & 14.
- 16** WESTSIDE SAN JOAQUIN VALLEY & MOUNTAIN EAST & WEST OF IMPERIAL VALLEY
- 17** HIGH DESERT VALLEYS
Valleys in the high desert near Nevada and Arizona.
- 18** IMPERIAL VALLEY, DEATH VALLEY AND PALM VERDE
Low desert areas with high sunlight and considerable heat advection.

Monthly Average Reference Evapotranspiration by ET0 Zone (inches/month)

Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.93	1.40	2.48	3.90	4.03	4.50	4.85	4.03	3.30	2.48	1.20	0.62	33.0
2	1.24	1.69	3.10	3.90	4.05	5.10	4.96	4.65	3.50	2.79	1.80	1.24	39.0
3	1.86	2.24	3.72	4.80	5.27	5.70	5.58	5.27	4.20	3.41	2.43	1.86	46.3
4	1.86	2.24	3.41	4.50	5.27	5.70	5.89	5.58	4.50	3.41	2.40	1.86	46.6
5	0.93	1.66	2.70	4.20	5.56	6.30	6.51	6.80	4.50	3.10	1.50	0.93	43.9
6	1.86	2.24	3.41	4.80	5.56	6.30	6.51	6.20	4.80	3.72	2.40	1.86	49.7
7	0.62	1.40	2.48	3.90	5.27	6.30	7.44	6.51	4.80	2.79	1.20	0.62	43.4
8	1.24	1.68	3.41	4.80	6.20	6.30	7.44	6.51	5.10	3.41	1.80	0.93	49.4
9	2.17	2.80	4.03	5.10	5.89	6.80	7.44	6.82	5.70	4.03	2.70	1.86	55.1
10	0.93	1.68	3.10	4.50	5.89	7.20	8.06	7.13	5.10	3.10	1.50	0.93	48.1
11	1.55	2.24	3.10	4.50	5.89	7.20	8.06	7.44	5.70	3.72	2.10	1.55	53.0
12	1.24	1.96	3.41	5.10	6.82	7.80	8.06	7.13	5.40	3.72	1.80	0.93	63.3
13	1.24	1.96	3.10	4.80	6.51	7.80	8.99	7.75	5.70	3.72	1.80	0.93	54.3
14	1.55	2.24	3.72	5.10	6.82	7.80	8.99	7.75	5.70	4.03	2.10	1.55	57.0
15	1.24	2.24	3.72	5.70	7.44	8.10	8.66	7.75	5.70	4.03	2.10	1.24	57.9
16	1.55	2.52	4.03	5.70	7.75	8.70	9.30	8.37	6.30	4.34	2.40	1.55	62.5
17	1.86	2.80	4.65	6.00	8.06	9.00	9.92	8.66	6.80	4.34	2.70	1.86	66.5
18	2.48	3.36	5.27	6.90	8.68	9.50	9.61	8.68	6.90	4.36	3.00	2.17	71.6

Variability between stations within single zones is as high as 0.02 inches per day for zone 1 and during winter months in zone 13. The average standard deviation of the ET0 between estimation sites within a zone for all months is about 0.01 inches per day for all 200 sites.

California Irrigation Management Information System (CIMIS) REFERENCE EVAPOTRANSPIRATION



STATE OF CALIFORNIA
 GRAY DAVIS GOVERNOR
 THOMAS M. HAMMISAN, DIRECTOR, DEPARTMENT OF WATER RESOURCES
 Lambert Continental Conic Projection
 1927 North American Datum

Developed as a cooperative project between the
 Department of Land, Air and Water Resources
 University of California, Davis
 And
 Water Use Efficiency Office
 California Department of Water Resources
 Barbara Sawloff, California Irrigation Management Unit
 Also Prepared by David W. Jones 1999
 Data developed by Richard L. Snyder, Simon Edging, and Helena Gomez MacPherson
 Background Data from Teale and USGS Sources

APPENDIX F

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

Variations 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. Variations 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)

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)

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 G

**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 H

**CUWCC BMP REPORTS
AND RESPONSE FROM DWR**

BASE YEAR

The fields in red are required.

Primary contact:

Agency name: Rubidoux Community Services District

First name: Steven

Reporting unit name (District name) Rubidoux Community Services District

Last name: Appel

Reporting unit number: 192

Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



Base Year Data

[Link to FAQs](#)

Reporting Unit Base Year

What is your reporting period? Calendar

Base Year 2008

BMP 1.3 Metering

Number of unmetered accounts in Base Year 0

BMP 3.1 & BMP 3.2 & BMP 3.3 Residential Programs

Number of Single Family Customers in Base Year 5,208

Number of Multi Family Units in Base Year 744

BMP 3.4 WaterSense Specification (WSS) Toilets

Number of Single Family Housing Units constructed prior to 1992 4500

Number of Multi Family Units prior to 1992 450

Average number of toilets per single family household 2.5

Average number of toilets per multi family household 1.5

Five year average resale rate of single family households

Five-year average resale rate of multi family households

Average number of persons per single family household 3.5

Average number of persons per multi family household 1.5

BMP 4.0 & BMP 5.0 CII & Landscape

Total water use (in Acre Feet) by CII accounts 1881

Number of accounts with dedicated irrigation meters 250

Number of CII accounts without meters or with Mixed Use Meters 60

Number of CII accounts 310

Comments:

2009

The fields in red are required.

Agency name: Rubidoux Community Services District

Primary contact:

First name: Steven

Division name (Reporting unit): Rubidoux Community Services District

Last name: Appel

Reporting unit number: 192

Email: steve@rcsd.org



WATER SOURCES

Service Area Population: 28360

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
Well #2	817.00	Groundwater	
Well #4	554.00	Groundwater	
Well #5	0.00	Groundwater	
Well #6	80.00	Groundwater	
Well #8	1,345.00	Groundwater	
Well #17	159.00	Groundwater	
Well #18	3,209.00	Groundwater	
		Other	

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
None		Other	
		Other	

Exported Water Name	AF/YEAR	Where Exported?
RCSD Excess Groundwater	480.00	Jurupa Community Services District

2009

The fields in red are required.



Agency name: Rubidoux Community Services District

Reporting unit name (District name) Rubidoux Community Services District

Reporting unit number: 192

Primary contact:

First name: Steven

Last name: Appel

Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[See the complete MOU:](#) [View MOU](#)

[See the coverage requirements for this BMP:](#)

2009

BMP 1.1 Operations Practices

Comments:

Conservation Coordinator

Conservation Coordinator Yes No

Contact Information

First Name

Last Name

Title

Phone

Email

Note that the contact information may be the same as the primary contact information at the top of the page. If this is your case, excuse the inconvenience but please enter the information again.

Water Waste Prevention

Water Agency shall do one or more of the following:

- a. Enact and enforce an ordinance or establish terms of service that prohibit water waste
- b. Enact and enforce an ordinance or establish terms of service for water efficient design in new development
- c. Support legislation or regulations that prohibit water waste
- d. Enact an ordinance or establish terms of service to facilitate implementation of water shortage response measures
- e. Support local ordinances that prohibit water waste
- f. Support local ordinances that establish permits requirements for water efficient design in new

To document this BMP, provide the following:

- a. A description of, or electronic link to, any ordinances or terms of service
- b. A description of, or electronic link to, any ordinances or requirements adopted by local jurisdictions or regulatory agencies with the water agency's service area.
- c. A description of any water agency efforts to cooperate with other entities in the adoption or enforcement of local requirement
- d. description of agency support positions with respect to adoption of legislation or regulations

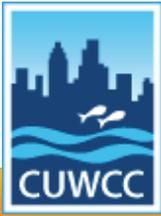
You can show your documentation by providing files, links (web addresses), and/or entering a description.

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Enter a description:

The fields in red are required.



Agency name: Rubidoux Community Services District
Reporting unit name (District name) Rubidoux Community Services District
Reporting unit number: 192

Primary contact:
First name: Steven
Last name: Appel
Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)

2009 BMP 1.2 Water Loss Control

Did your agency complete a pre-screening system audit in 2009? Yes No

If yes, answer the following:

Determine metered sales in AF:

Definition: other accountable uses not included in metered sales, such as unbilled water use, fire suppression, etc.

Determine system verifiable uses AF:

Determine total supply into the system in AF:

Does your agency keep necessary data on file to verify the answers above? Yes No

Did your agency complete a full-scale system water audit during 2009? Yes No

Does your agency maintain in-house records of audit results or the completed AWWA worksheet for the completed audit which could be forwarded to CUWCC? Yes No

Did your agency operate a system leak detection program? Yes No

Comments:

The fields in red are required.



Agency name: Rubidoux Community Services District
Reporting unit name (District name) Rubidoux Community Services District
Reporting unit number: 192

Primary contact: First name: steven
Last name: Appel
Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

2009 BMP 1.2 Water Loss Control

[View MOU](#)

AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software Yes No
Email to natalie@cuwcc.org - Worksheets (AWWA Water Audit). Enter the name of the file below:

Water Audit Validity Score from AWWA spreadsheet

Agency Completed Training In The AWWA Water Audit Method Yes No
Agency Completed Training In The Component Analysis Process Yes No

Completed/Updated the Component Analysis (at least every 4 years)? Yes No
Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective Yes No

Recording Keeping Requirements:

Date/Time Leak Reported	Leak Location
Type of Leaking Pipe Segment or Fitting	Leak Running Time From Report to Repair
Leak Volume Estimate	Cost of Repair

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective Yes No

Type of Program Activities Used to Detect Unreported Leaks

Annual Summary Information

Complete the following table with annual summary information (required for reporting years 2-5 only)

Total Leaks Repaired	Economic Value Of Real Loss	Economic Value Of Apparent Loss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)
19						

Comments:

The fields in red are required.

Agency name: Rubidoux Community Services District

Primary contact:

Steven

Reporting unit name

(District name) Rubidoux Community Services District

Last name:

Appel

Reporting unit number:

192

Email:

steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity

[Link to FAQs](#)

[See the complete MOU: View MOU](#)

[See the coverage requirements for this BMP:](#)

Implementation

Does your agency have any unmetered service connections?

Yes No

If YES, has your agency completed a meter retrofit plan?

Yes No

Enter the number of previously unmetered accounts fitted with meters during reporting year:

Are all new service connections being metered?

Yes No

Are all new service connections being billed volumetrically?

Yes No

Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters?

Yes No

Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
Single-Family	6,000	6,000	6,000	Monthly	600
Multi-Family	55	55	55	Monthly	0
Commercial	350	350	350	Monthly	36
Dedicated Irrigatic	2	2	2	Monthly	0
Other				Other	
Other				Other	
Other				Other	
Other				Other	
Other				Other	
Other				Other	

Number of CII Accounts with Mixed-use Meters

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? Yes No

If YES, please fill in the following information:

A. When was the Feasibility Study conducted

B. Email or provide a link to the feasibility study (or description of):

File name(s): Email files to natalie@cuwcc.org

Enter the file name here e.g. WaterWastePreventionOrdinance

Web address(s) URL: comma-separated list

Enter the URL to your documentation.

General Comments about BMP 1.3:

The fields in red are required.

Primary contact:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

Agency name: Rubidoux Community Services District

First name: Steven

Reporting unit name (District name): Rubidoux Community Services District

Last name: Appel

Reporting unit number: 192

Email: steve@rcsd.org



BMP 1.4 Retail Conservation Pricing

[Link to FAQs](#)

[View MOU](#)

If you are reporting more rate structures than this form allows, add the structures to a spreadsheet and send the file to natalie@cuwcc.org.

2009

Implementation (Water Rate Structure)

Enter the Water Rate Structures that are assigned to the majority of your customers, by customer class

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
Increasing Block	Single-Family			
Increasing Block	Multi-Family			
Increasing Block	Commercial			
Increasing Block	Industrial			
Increasing Block	Institutional			
Uniform	Dedicated Irrigation			
Select a Rate Struc	Other			

Implementation Option (Conservation Pricing Option)

- Use Annual Revenue As Reported
- Use Canadian Water & Wastewater Association Rate Design Model

If CWWA is select, enter the file name and email the spreadsheet to natalie@cuwcc.org

Retail Waste Water (Sewer) Rate Structure by Customer Class

Agency Provide Sewer Service Yes No

Select the Retail Waste Water(Sewer) Rate Structure assigned to the majority of your customers within a specific customer class.

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
Uniform	Single-Family			
Uniform	Multi-Family			
Uniform	Commercial			
Uniform	Industrial			
Uniform	Institutional			
Select a Rate Struc	Other			
Select a Rate Struc	Other			

Comments:

Is a Wholesale Agency Performing Website Updates?

Did one or more CUWCC wholesale agencies agree to assume your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP? Yes No

Enter the name(s) of the wholesale agency (comma delimited)

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

www.rcsd.org

Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Did at least one Website Update take place during each quarter of the reporting year? Yes No

Public Outreach Annual Budget

Enter budget for public outreach programs. You may enter total budget in a single line or break the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount	Personnel Costs Included? <small>If yes, check the box.</small>	Comments
		<input type="checkbox"/>	

Comments:

The fields in red are required.



Agency name: Rubidoux Community Services District

Reporting unit name (District name) Rubidoux Community Services District

Reporting unit number: 192

Primary contact:

First name: Steven

Last name: Appel

Email: steve@rcsd.org

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

2009

BMP 2.1 Public Outreach Cont'd

[View MOU](#)

Public Outreach Expenses

Enter expenses for public outreach programs. Please include the same kind of expenses you included in the question related to your budget (Section 2.1.7, above). For example, if you included personnel costs in the budget entered above, be sure to include them here as well.

Expense Category	Expense Amount	Personnel Costs Included?
		<input type="checkbox"/> If yes, check the check box.
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Additional Public Information Program

Please report additional public information contacts. List these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important/ effective listed first (where 1 = most important).

Were there additional Public Outreach efforts?

Yes No

Public Outreach Additional Information

Public Information Programs	Importance

Social Marketing Programs

Branding

Does your agency have a water conservation "brand," "theme" or mascot? Yes No

Describe the brand, theme or mascot.

Market Research

Have you sponsored or participated in market research to refine your message? Yes No

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee?

Yes No

Enter the names of the community committees:

Training

Training Type	# of Trainings	# of Attendees	Description of Other	

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Expense Category	Expense Amount	Description	

Partnering Programs - Partners

Name

Type of Program

CLCA?

Green Building Programs?

Master Gardeners?

Cooperative Extension?

Local Colleges?

Other

Retail and wholesale outlet; name(s) and type(s) of programs:

Partnering Programs - Newsletters

Number of newsletters per year

Number of customers per year

Partnering with Other Utilities

Describe other utilities your agency partners with, including electrical utilities

Conservation Gardens

Describe water conservation gardens at your agency or other high traffic areas or new

Landscape contests or awards

Describe water wise landscape contest or awards program conducted by your agency

Comments:

The fields in red are required.



Agency name: Rubidoux Community Services District

Primary contact:

First name: Steven

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

Reporting unit name (District name) Rubidoux Community Services District

Last name: Appel

Reporting unit number: 192

Email: steve@rcsd.org

[Link to FAQs](#)

[View MOU](#)

BMP 2.2 School Education Programs, Retail Agencies

School Programs

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP? Yes No

Enter Wholesaler Names, separated by commas: Western Municipal Water District

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

150

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

200

Annual budget for school education program

\$5,000.00

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations: 6

Number of attendees: 180

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations

Number of attendees

Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description	
Number distributed	
Staffing children's booths at events & festivals:	
Number of booths	Number of attendees
Water conservation contests such as poster and photo:	
Description	
Number distributed	
Offer monetary awards/funding or scholarships to students:	Total Funding
Number Offered	
Teacher training workshops:	
Number of presentations	Number of attendees
Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:	
Number of tours or field trips	Number of participants
College internships in water conservation offered:	
Number of internships	Total funding
Career fairs/workshops:	
Number of presentations	Number of attendees
Additional program(s) supported by agency but not mentioned above:	
Description	
Number of events (if applicable)	Number of participants
Total reporting period budget expenditures for school education programs (include all agency costs):	

Comments

The fields in red are required.



Agency name:

Reporting unit name (District name):

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2009

BMP 3 Residential

[Link to FAQs](#)

[View MOU](#)

Traditional
(Sections A - D)

Flex Track
(All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in form which are necessary to show that the measure was implemented as described.

A) Residential Assistance / Leak Detection

Flex Track	Traditional			Total Water Savings AF/YR	Measured Water Savings AF/YR
		Single Family	Multi Family		
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Number of Other Components <input type="text"/>			
		Description of Other Components Distributed <input type="text"/>			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) High Efficiency Clothes Washers (HECWs)

Flex Track	Traditional			Measured water savings (AF/Year)
				Number of incentives for HECWs with an AVERAGE Water Factor of 5.0 <input type="text"/>
		Are Financial incentives provided for HECWs ? <input type="radio"/> Yes <input type="radio"/> No		
		Has your Agency completed a HECW Market Penetration Study (this question does not impact your coverage report, purely informational) <input type="radio"/> Yes <input type="radio"/> No		
		HECW Market Penetration Study Documents (Enter the file name and Email file to Natalie@cuwcc.org)		
		<input type="text"/>		

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org

C) WaterSense Specification (WSS) Toilets

(Agency must complete information for at least one coverage option (For Traditional 1, 2, or 3; For Flex Tarck 1, 2, 3, or 4).
 You are encouraged to include information on other coverage options, as available.
 If seeking credit for additional water savings, you must select Flex Track option)

Traditional	1. Retrofit Resale Ordinance is in Place <input type="radio"/> Yes <input type="radio"/> No If Yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org) <input type="text"/>																								
	2. A 75% Market Saturation Achieved <input type="radio"/> Yes <input type="radio"/> No If yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org) <input type="text"/>																								
Flex Track	3. WSS Toilets Installed <table border="0"> <tr> <td></td> <td style="text-align: center;">Single Family</td> <td style="text-align: center;">Multi Family</td> </tr> <tr> <td>Number of WSS Toilets Installed</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Measured Water Savings AF/YR</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>		Single Family	Multi Family	Number of WSS Toilets Installed	<input type="text"/>	<input type="text"/>	Measured Water Savings AF/YR	<input type="text"/>	<input type="text"/>															
		Single Family	Multi Family																						
	Number of WSS Toilets Installed	<input type="text"/>	<input type="text"/>																						
	Measured Water Savings AF/YR	<input type="text"/>	<input type="text"/>																						
4. Non-WSS Toilets <table border="0"> <tr> <td></td> <td colspan="2" style="text-align: center;">Single Family</td> <td colspan="2" style="text-align: center;">Multi Family</td> </tr> <tr> <td>Type of Toilets</td> <td style="text-align: center;">Number of Toilets</td> <td style="text-align: center;">Water Savings</td> <td style="text-align: center;">Number of Toilets</td> <td style="text-align: center;">Water Savings</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td colspan="5">Description of Other Non-WSS Type of Toilets</td> </tr> <tr> <td colspan="5"><input type="text"/></td> </tr> </table>		Single Family		Multi Family		Type of Toilets	Number of Toilets	Water Savings	Number of Toilets	Water Savings	<input type="text"/>	Description of Other Non-WSS Type of Toilets					<input type="text"/>								
	Single Family		Multi Family																						
Type of Toilets	Number of Toilets	Water Savings	Number of Toilets	Water Savings																					
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																					
Description of Other Non-WSS Type of Toilets																									
<input type="text"/>																									
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org <input type="text"/>																									

D) WSS for New Residential Development

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available. If seeking credit for additional water savings you must select the Flex Track option)

Traditional

	Single Family	Multi Family
Residential development Rebates	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>
Recognition Programs	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>
Reduced connection Fees	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>
Ordinances	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>

New Development Ordinance

(Enter the file name and Email file to Natalie@cuwcc.org)

Number of new Single Family Units built in Service Area

Number of new Multi Family Units built in Service Area

In the following table, enter one row for each incentive typr program you offer

List of Incentive Amount

Incentive Type	Incentive Amount	Number of WSS fixtures installed	Number of Participating		Measured Water Savings	
			Single Family	Multi Family	Single Family	Multi Family
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

Flex Track

**For Traditional Option, Stop Here, do not go further.
For Flex Track Option, please continue...**

Flex Track Menu Options

In addition to the measures on the BMP List, the Flex Track menu options may be implemented to meet the savings goal for this BMP. Fill in the water savings measures that your agency has implemented.

E) High bill contact with single-family and multi-family customers

Measured water savings (AF/Year)

Select the Types of Contact:

- Email
 Phone
 Letter
 Others (describe)

Upload sample of contact contents (email, letter, etc.)

– if applicable; enter the file name and email file to Natalie@cuwcc.org

Who initiated the contact:

(Please Specify customer, agencies, or both)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

F) Educate residential customers about the behavioral aspects of water conservation

Measured water savings (AF/Year)

Select types of educational methods used:

- Workshop
 Community Event
 Letter
 On-Site Visit
 Phone Call
 Water Survey
 Website Hit
 Door Hanger
 Other (Describe)

Events

Customers Reached

<input type="text"/>

<input type="text"/>

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

G) Notify residential customers of leaks on the customer's side of the meter

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

J) Install residence water use monitors.

Type of Monitor	Brand	Number Installed	Measured water savings (AF/Year)
<input type="checkbox"/> Dashboard	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Leak Detector	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> Data Logger	<input type="text"/>	<input type="text"/>	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

K) Participate in programs that provide residences with school water conservation kits.

Number of Kits Distributed

Kit contents (including model of fixtures)

List of what was actually installed in the homes (number of showerheads, aerators etc.).

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

L) Implement an automatic meter reading program for residential customers.

AMR or AMI Type of Network

Number of connections installed

Is your agency using these to contact high water-use customers?

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

OTHER Types of Measures.

Type of Program	Sample / Description	Measured Water Savings (AF/YR)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Comments

The fields in red are required.



Agency name: Primary contact:
 Reporting unit name (District name): First name:
 Reporting unit number: Last name:
 Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2009

[Link to FAQs](#)
[View MOU](#)

BMP 4 CII

Traditional Flex Track
 (Section A - L) (All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually in the summary cells on the right. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings was measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in the flex track data entry form which are necessary to show that the measure was implemented as described.

CII Type of measure implemented

Traditional	A) High - Efficiency Toilets.		Measured water savings (AF/Year) <input type="text"/>
	Number	<input type="text"/>	
Flex Track	Type of program	<input type="text" value="Select an Option"/>	Council's Annual Water Savings 0.041748 AF per device
	Other type of program	<input type="text"/>	
	Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No		
	If not, Please provide the following:		
Total Measured Water Savings(AF/Year)	<input type="text"/>		
Measure life (years)	<input type="text"/>		
Lifetime water savings (years)	<input type="text"/>		
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			
<input type="text"/>			

B) High - Efficiency Urinals (0.5 gpf)

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)	<input type="text"/>
		Type of program	<input type="text"/>		
Other type of program	<input type="text"/>				
		Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No	Council's Annual Water Savings 0.069086 AF per device		
		If not, Please provide the following			
		Total Measured Water Savings(AF/Year)	<input type="text"/>		
		Measure life (years)	<input type="text"/>		
		Lifetime water savings (years)	<input type="text"/>		
		If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			

C) Ultra Low Volume Urinals (0.125 gpf)

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)	<input type="text"/>
		Type of program	Select an Option		
Other type of program	<input type="text"/>				
		Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No	Council's Annual Water Savings 0.080603 AF per device		
		If not, Please provide the following			
		Total Measured Water Savings(AF/Year)	<input type="text"/>		
		Measure life (years)	<input type="text"/>		
		Lifetime water savings (years)	<input type="text"/>		
		If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			

D) Zero Consumption Urinals (0.0 gpf)

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)	<input type="text"/>
		Type of program	Select an Option		
Other type of program	<input type="text"/>				
		Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No			

Flex Track

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water Savings 0.0921146
AF per device

E) Commercial High - Efficiency Single Load Clothes Washers

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

Council's Annual Water Savings 0.116618
AF per device

If not , Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

F) Cooling Tower Conductivity Controllers.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

Council's Annual Water Savings 1.032250
AF per device

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

G) Cooling Tower pH Controllers

Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)
	Type of program	<input type="text" value="Select an Option"/>	
	Other type of program	<input type="text"/>	
Flex Track	Do you accept the Council's default savings number for this measure ? <input type="radio"/> Yes <input type="radio"/> No		Council's Annual Water Savings 3.981543 AF per device
	If not, Please provide the following:		
	Total Measured Water Savings(AF/Year)	<input type="text"/>	
	Measure life (years)	<input type="text"/>	
	Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			

H) Connectionless Food Steamers.

Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)
	Type of program	<input type="text"/>	
	Other type of program	<input type="text"/>	
Flex Track	Do you accept the Council's default savings number for this measure ? <input type="radio"/> Yes <input type="radio"/> No		Council's Annual Water Savings 0.25 AF per Steamer Compartment
	If not, Please provide the following:		
	Total Measured Water Savings(AF/Year)	<input type="text"/>	
	Measure life (years)	<input type="text"/>	
	Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			

I) Medical Equipment Steam Sterilizers

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)
		Type of program	<input type="text"/>	
		Other type of program	<input type="text"/>	

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water Savings 1.538 AF per device

J) Water - Efficient Ice Machines.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water Savings 0.0834507 AF per device

K) Pressurized Water Brooms.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

Council's Annual Water Savings 0.1534 AF per device

Flex Track

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

L) Dry Vacuum Pumps.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

If not, Please provide the following:

Council's Annual Water Savings 0.064 AF per device

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Traditional Reporting Stop Here, Do not continue

Flex Track Reporting Please Continue...

M) Industrial Process Water Use Reduction.

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Type of Process Water Reduced

If re-using water, what was the secondary use of the water? (such as pre-rinse cycle or landscaping)

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

N) Commercial Laundry Retrofits.

Number of customers

**Measured
water savings
(AF/Year)**

Type of customer
 hotels
 campuses
 prisons
 laundromats

Lease / own machines
 Lease Own Machines Both

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

O) Industrial Laundry Retrofits.

Total Number of customers

**Measured
water savings
(AF/Year)**

Total Volume of laundry processed annually

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

P) Filter Upgrades (for pools, spas, and fountains).

Number of pools upgraded

Number of spas upgraded

Number of fountains upgraded

Measured water savings (AF/Year)

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Q) Car Wash Reclamation Systems

Measured water savings (AF/Year)

	Conveyor	In-bay
Total Number of program participants (accounts)	<input type="text"/>	<input type="text"/>
Total Number of vehicles washed annually	<input type="text"/>	<input type="text"/>
Do you accept the Council's default savings number for this measure?	<input type="radio"/> Yes <input type="radio"/> No	
If not, Please provide the following:	Council's Annual Water Savings 0.00004607 (or 15 gals) per vehicle	
Total Measured Water Savings(AF/Year)	<input type="text"/>	
Measure life (years)	<input type="text"/>	
Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org <input style="width: 100%; height: 20px;" type="text"/>		

R) Wet Cleaning.

Brief description of program		Measured water savings (AF/Year) <input style="width: 100%; height: 20px;" type="text"/>
Total Measured Water Savings(AF/Year)	<input type="text"/>	
Measure life (years)	<input type="text"/>	
Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org <input style="width: 100%; height: 20px;" type="text"/>		

S) Water Audits (To avoid double counting, do not include device/replacement water savings.)

Number of water audits by type of business		Measured water savings (AF/Year) <input style="width: 100%; height: 20px;" type="text"/>
Auto	<input type="text"/>	
Food	<input type="text"/>	
Health	<input type="text"/>	
Hotels	<input type="text"/>	

Manufacturing

Membership

Multi-use

Office

Religious

Restaurant

Retail/
Wholesale

School

Other (with
description)

Description of
Other

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

**T) Clean In Place (CIP) Technology
(such as bottle sterilization in a beverage processing plant)**

		Measured water savings (AF/Year)
Number of customers	<input type="text"/>	<input type="text"/>
Type of program	<input type="text" value="Select an Option"/>	
Other type of program	<input type="text"/>	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

U) Waterless Wok

Number

Measured
water savings
(AF/Year)

Type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

V) Alternative On-site Water Sources (For Rain Water Harvesting, commercial rain barrels are excluded. For Foundation Drain Water, exclude permeable paving.)

Measured
water savings
(AF/Year)

Select type Number Description

Cooling
Condensate

Foundation
Drain
Water

Gray
Water

Storm
Water

Rain
Water

Pond
and Water
Feature
Recycling

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

W) Sub - metering

**Measured
water savings
(AF/Year)**

Select type	Number	Description
<input type="checkbox"/> Condominiums	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Apartments	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Mobile Homes	<input type="text"/>	<input type="text"/>

Do you accept the Council's default savings numbers for this measure? Yes No

Council's Annual Water Savings
Appartments & Condos=0.024419 AF/YR
Mobile Home = 0.056774 AF/Yr

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

X) High Efficiency Showerheads

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Y) Faucet Flow Restrictors

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Z) Water Efficient Dishwashers

**Measured
water savings
(AF/Year)**

Select type Rack

Conveyor

Other

Description of Other

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

AA) Hot Water on Demand

Measured water savings (AF/Year)

Number

Type of program

Select an Option

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

BB) Pre-rinse Spray Valves of 1.3 gpm (gallons per minute) or less

Measured water savings (AF/Year)

Number

Type of program

Select an Option

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org

CC) Central Flush Systems

		Measured water savings (AF/Year)
Number	<input type="text"/>	<input type="text"/>
Type of program	<input type="text" value="Select an Option"/>	
Other type of program	<input type="text"/>	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org

Other Measures chosen by the Agency

		Measured water savings (AF/Year)
Description of program	<input type="text"/>	<input type="text"/>
Sample (if applicable)	<input type="text"/>	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org



The fields in red are required.

Agency name:

Reporting unit name (District name):

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2009

BMP 5 Landscape

[Link to FAQs](#)

[View MOU](#)

Traditional

Flex Track

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data point also requested in form which are necessary to show that the measure was implemented as described.

Accounts with Dedicated Irrigation Meters

Traditional	Number of dedicated irrigation meter accounts	<input type="text"/>
	Number of dedicated irrigation meter accounts with water budgets	<input type="text"/>
	Aggregate water use for dedicated non-recreational landscape accounts with budgets	<input type="text"/>
	Aggregate acreage assigned water budgets for dedicated non-recreational landscape accounts with budgets	<input type="text"/>
	Preserved water use records and budgets for customers with dedicated landscape irrigation accounts for at least four years	<input type="radio"/> Yes <input type="radio"/> No
Flex Track	Water Savings from Accounts with dedicated irrigation meters with water budgets (Acre Feet)	<input type="text"/>
	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)	
		<input type="text"/>

Technical Assistance

Traditional	Number of Accounts 20% over-budget	<input type="text"/>	Measured water savings (AF/Year)
	Number of accounts 20% over-budget offered technical assistance	<input type="text"/>	
	Number of accounts 20% over-budget accepting technical assistance	<input type="text"/>	
Flex Track	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)		<input type="text"/>
			<input type="text"/>

Irrigation Water Use Surveys for Mixed-use and Un-metered Accounts

Traditional	Number of mixed use and un-metered accounts	<input type="text"/>	Measured water savings (AF/Year)
	Number of irrigation water use surveys offered (cumulative, all years)	<input type="text"/>	
	Number of irrigation water use surveys accepted (cumulative)	<input type="text"/>	
	Can your Agency estimate the amount of landscape acreage for mixed use and Un-metered accounts	<input type="radio"/> Yes <input type="radio"/> No	
	If Yes, Aggregate acreage for mixed use and Un-metered accounts	<input type="text"/>	
Flex Track	Estimated water demand from acreage for mixed use and Un-metered accounts	<input type="text"/>	
	Annual water savings by customers receiving irrigation water savings surveys and implementing recommendations	<input type="text"/>	
	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)		
	<input type="text"/>		

Financial Incentives

Traditional	Have you implemented and maintained an irrigation equipment retrofit incentive program? <input type="radio"/> Yes <input type="radio"/> No			Measured Water Savings (AF/YR)	
	Number of incentives	Dollar value of incentives	Incentive Types		
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
Flex Track	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)				
	<input type="text"/>				

**Traditional Reporting Stop Here, Do not continue
Flex Track Reporting Please Continue...**

Landscape Flex Track Measure Types

1. Monitor and report on landscape water use

- A) Measure landscapes and develop water budgets for customers with dedicated landscape meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules (such as faxes, twitter, etc. not included in the previous sections).**

**Measured
water savings
(AF/Year)**

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- B) Measure landscapes and develop water budgets for customers with Mixed Use meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules.**

**Measured
water savings
(AF/Year)**

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- C) Establish agency-wide water budget. (Note that: ETo based water budget in the MWELo changed in 2010 from .8ETo to .7ETo.)**

Agency-wide total irrigated area

(Acres)

**Measured
water savings
(AF/Year)**

Amount of Water Used

(AF/Acre)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish agency-wide, sector-based irrigation goal to reduce water use, based on seasonality.

Number of minimum irrigation goal (AF/Acre)

Amount of Water Used per Period (AF/Period)

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

2. Provide technical landscape resources and training

A) Upon customer requests, provide landscape irrigation management and landscape design information and resources: provide assistance, answer customer questions, respond to run-off and high-bill calls.

Enter the Number of:

Contacts In Person

Contacts over the phone

Contacts via Email

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Perform landscape & irrigation audits: including irrigation scheduling, plant information, and landscape area measurement.

Enter the Number of:

Audits conducted per year

Measurement of square
footage of Turf areas

Measurement of square
footage of NON Turf areas

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Sponsor, co-sponsor, promote, or support landscape workshops, training, presentations and other technical educational events for homeowners and professionals: design, installation, maintenance, water management.

Enter the Number of:

Events

Participants

List Type or
Title of Events

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish Time-of-Day Irrigation Restrictions.

Yes No

Describe Restrictions:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Establish Day-of-Week Irrigation Restrictions. Yes No

Describe Restrictions:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

3. Provide incentives

A) Establish Landscape budget-based rates. Yes No

Describe Rates:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Provide incentives for conversions from mixed-use meters to dedicated landscape meters.

Number of Conversions:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Provide incentives for installing sub-meters to separate landscape water use

Number of meters installed:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Provide incentives for irrigation equipment upgrades that improve distribution uniformity, irrigation efficiency, or scheduling capabilities.

Select types of irrigation equipment upgrades:

- Controllers
- Emitters
- Soil moisture sensors
- Pressure Regulators
- Rain shut off devices
- Other (describe)

Number of devices installed

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Provide incentives for the reduction of water use over an irrigated area, or reduction in the size of the irrigated area due to replacement of turf or other high water-using plants with low water-using plants, artificial turf, or permeable surfaces.

Acreage of live turf converted to low water-using plants, artificial turf, or permeable surfaces: Acres

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

F) Provide incentives for conversions from potable to recycled water.

Number of Conversions:
Number of Incentives:
Funds Invested:

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

G) Provide incentives for the use of alternative sources of water in the landscape (i.e. gray water, rainwater, cisterns, etc.)

Number of Conversions:
Number of Incentives:
Funds Invested:

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Participate in regional efforts: integrated water resource management, watershed management, NPDES permit agencies, etc.

Yes No

Describe Involvement:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

5. Develop a holistic approach to landscape water use efficiency

A) Develop and implement a comprehensive landscape water conservation program for all customers. Target marketing efforts to those most likely to result in benefits to both customer and Agency.

Describe Program:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

6. Other Measures

A) Other Landscape Measures.

Describe Other
Landscape Measures:

**Measured
water savings
(Af/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file Natalie@cuwcc.org)

2010

The fields in red are required.

Agency name: Primary contact:
 Division name (Reporting unit): Last name:
 Reporting unit number: Email:



WATER SOURCES

Service Area Population:

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
Well #2	1,052.00	Groundwater	
Well #4	567.00	Groundwater	
Well #5	0.00	Groundwater	
Well #6	23.00	Groundwater	
Well #8	1,547.00	Groundwater	
Well #17	15.00	Groundwater	
Well #18	2,725.00	Groundwater	
		Other	

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
None		Other	
		Other	

Exported Water Name	AF/YEAR	Where Exported?
RCSD Excess Groundwater		Jurupa Community Services District

2010

The fields in red are required.



Agency name: Rubidoux Community Services District

Reporting unit name (District name) Rubidoux Community Services District

Reporting unit number: 192

Primary contact:

First name: Steven

Last name: Appel

Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[See the complete MOU:](#) [View MOU](#)

[See the coverage requirements for this BMP:](#)

2010

BMP 1.1 Operations Practices

Comments:

Conservation Coordinator

Conservation Coordinator Yes No

Contact Information

First Name

Last Name

Title

Phone

Email

Note that the contact information may be the same as the primary contact information at the top of the page. If this is your case, excuse the inconvenience but please enter the information again.

Water Waste Prevention

Water Agency shall do one or more of the following:

- a. Enact and enforce an ordinance or establish terms of service that prohibit water waste
- b. Enact and enforce an ordinance or establish terms of service for water efficient design in new development
- c. Support legislation or regulations that prohibit water waste
- d. Enact an ordinance or establish terms of service to facilitate implementation of water shortage response measures
- e. Support local ordinances that prohibit water waste
- f. Support local ordinances that establish permits requirements for water efficient design in new

To document this BMP, provide the following:

- a. A description of, or electronic link to, any ordinances or terms of service
- b. A description of, or electronic link to, any ordinances or requirements adopted by local jurisdictions or regulatory agencies with the water agency's service area.
- c. A description of any water agency efforts to cooperate with other entities in the adoption or enforcement of local requirement
- d. description of agency support positions with respect to adoption of legislation or regulations

You can show your documentation by providing files, links (web addresses), and/or entering a description.

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Enter a description:

The fields in red are required.



Agency name: Rubidoux Community Services District
Reporting unit name (District name) Rubidoux Community Services District
Reporting unit number: 192

Primary contact:
First name: Steven
Last name: Appel
Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

2010 BMP 1.2 Water Loss Control

[View MOU](#)

AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software Yes No
Email to natalie@cuwcc.org - Worksheets (AWWA Water Audit). Enter the name of the file below:

Water Audit Validity Score from AWWA spreadsheet

Agency Completed Training In The AWWA Water Audit Method Yes No
Agency Completed Training In The Component Analysis Process Yes No

Completed/Updated the Component Analysis (at least every 4 years)? Yes No
Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective Yes No

Recording Keeping Requirements:

Date/Time Leak Reported	Leak Location
Type of Leaking Pipe Segment or Fitting	Leak Running Time From Report to Repair
Leak Volume Estimate	Cost of Repair

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective Yes No

Type of Program Activities Used to Detect Unreported Leaks

Annual Summary Information

Complete the following table with annual summary information (required for reporting years 2-5 only)

Total Leaks Repaired	Economic Value Of Real Loss	Economic Value Of Apparent Loss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)
20						

Comments:

The fields in red are required.

Agency name: Rubidoux Community Services District

Primary contact:

Steven

Reporting unit name

(District name) Rubidoux Community Services District

Last name:

Appel

Reporting unit number:

192

Email:

steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity 2010

[Link to FAQs](#)

[See the complete MOU: View MOU](#)

[See the coverage requirements for this BMP:](#)

Implementation

Does your agency have any unmetered service connections?

Yes No

If YES, has your agency completed a meter retrofit plan?

Yes No

Enter the number of previously unmetered accounts fitted with meters during reporting year:

Are all new service connections being metered?

Yes No

Are all new service connections being billed volumetrically?

Yes No

Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters?

Yes No

Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
Single-Family	6,030	6,030	6,030	Monthly	610
Multi-Family	55	55	55	Monthly	0
Commercial	350	350	350	Monthly	25
Dedicated Irrigatic	2	2	2	Monthly	0
Other				Other	
Other				Other	
Other				Other	
Other				Other	
Other				Other	
Other				Other	

Number of CII Accounts with Mixed-use Meters

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? Yes No

If YES, please fill in the following information:

A. When was the Feasibility Study conducted

B. Describe, upload or provide an electronic link to the Feasibility Study Upload File

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Comments:

The fields in red are required.

Primary contact:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

Agency name: Rubidoux Community Services District

First name: Steven

Reporting unit name (District name): Rubidoux Community Services District

Last name: Appel

Reporting unit number: 192

Email: steve@rcsd.org



2010

BMP 1.4 Retail Conservation Pricing

[Link to FAQs](#)

[View MOU](#)

If you are reporting more rate structures than this form allows, add the structures to a spreadsheet and send the file to natalie@cuwcc.org.

Implementation (Water Rate Structure)

Enter the Water Rate Structures that are assigned to the majority of your customers, by customer class

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
Increasing Block	Single-Family			
Increasing Block	Multi-Family			
Increasing Block	Commercial			
Increasing Block	Industrial			
Increasing Block	Institutional			
Uniform	Dedicated Irrigation			
Select a Rate Struc	Other			

Implementation Option (Conservation Pricing Option)

- Use Annual Revenue As Reported
- Use Canadian Water & Wastewater Association Rate Design Model

If CWWA is select, enter the file name and email the spreadsheet to natalie@cuwcc.org

Retail Waste Water (Sewer) Rate Structure by Customer Class

Agency Provide Sewer Service Yes No

Select the Retail Waste Water(Sewer) Rate Structure assigned to the majority of your customers within a specific customer class.

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
Uniform	Single-Family			
Uniform	Multi-Family			
Uniform	Commercial			
Uniform	Industrial			
Uniform	Institutional			
Select a Rate Struc	Other			
Select a Rate Struc	Other			

Comments:

Is a Wholesale Agency Performing Website Updates?

Did one or more CUWCC wholesale agencies agree to assume your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP? Yes No

Enter the name(s) of the wholesale agency (comma delimited)

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Did at least one Website Update take place during each quarter of the reporting year? Yes No

Public Outreach Annual Budget

Enter budget for public outreach programs. You may enter total budget in a single line or break the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount	Personnel Costs Included? <small>If yes, check the box.</small>	Comments
		<input type="checkbox"/>	

Comments:

The fields in red are required.



Agency name: Primary contact: First name: Last name: Email:

Reporting unit name (District name): Reporting unit number:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

2010

BMP 2.1 Public Outreach Cont'd

[View MOU](#)

Public Outreach Expenses

Enter expenses for public outreach programs. Please include the same kind of expenses you included in the question related to your budget (Section 2.1.7, above). For example, if you included personnel costs in the budget entered above, be sure to include them here as well.

Expense Category	Expense Amount	Personnel Costs Included?
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> <i>If yes, check the check box.</i>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Additional Public Information Program

Please report additional public information contacts. List these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important/ effective listed first (where 1 = most important).

Were there additional Public Outreach efforts?

Yes No

Public Outreach Additional Information

Public Information Programs	Importance
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Social Marketing Programs

Branding

Does your agency have a water conservation "brand," "theme" or mascot? Yes No

Describe the brand, theme or mascot.

Market Research

Have you sponsored or participated in market research to refine your message? Yes No

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee?

Yes No

Enter the names of the community committees:

Training

Training Type	# of Trainings	# of Attendees	Description of Other	

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Expense Category	Expense Amount	Description	

Partnering Programs - Partners

Name

Type of Program

CLCA?

Green Building Programs?

Master Gardeners?

Cooperative Extension?

Local Colleges?

Other

Retail and wholesale outlet; name(s) and type(s) of programs:

Partnering Programs - Newsletters

Number of newsletters per year

Number of customers per year

Partnering with Other Utilities

Describe other utilities your agency partners with, including electrical utilities

Conservation Gardens

Describe water conservation gardens at your agency or other high traffic areas or new

Landscape contests or awards

Describe water wise landscape contest or awards program conducted by your agency

Comments:

The fields in red are required.



Agency name: Rubidoux Community Services District

Primary contact:

First name: Steven

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

Reporting unit name (District name) Rubidoux Community Services District

Last name: Appel

Reporting unit number: 192

Email: steve@rcsd.org

[Link to FAQs](#)

[View MOU](#)

BMP 2.2 School Education Programs, Retail Agencies

School Programs

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP? Yes No

Enter Wholesaler Names, separated by commas: Western Municipal Water District

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

160

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

200

Annual budget for school education program

\$5,000.00

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations: 5

Number of attendees: 140

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations

Number of attendees

Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description	
Number distributed	
Staffing children's booths at events & festivals:	
Number of booths	Number of attendees
Water conservation contests such as poster and photo:	
Description	
Number distributed	
Offer monetary awards/funding or scholarships to students:	Total Funding
Number Offered	
Teacher training workshops:	
Number of presentations	Number of attendees
Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:	
Number of tours or field trips	Number of participants
College internships in water conservation offered:	
Number of internships	Total funding
Career fairs/workshops:	
Number of presentations	Number of attendees
Additional program(s) supported by agency but not mentioned above:	
Description	
Number of events (if applicable)	Number of participants
Total reporting period budget expenditures for school education programs (include all agency costs):	

Comments

The fields in red are required.



Agency name:

Reporting unit name (District name):

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2010

BMP 3 Residential

[Link to FAQs](#)

[View MOU](#)

Traditional
(Sections A - D)

Flex Track
(All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in form which are necessary to show that the measure was implemented as described.

A) Residential Assistance / Leak Detection

Flex Track	Traditional			Total Water Savings AF/YR	Measured Water Savings AF/YR
		Single Family	Multi Family		
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Number of Other Components <input type="text"/>			
		Description of Other Components Distributed <input type="text"/>			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) High Efficiency Clothes Washers (HECWs)

Flex Track	Traditional			Measured water savings (AF/Year)
				<input type="text"/>
		Number of incentives for HECWs with an AVERAGE Water Factor of 5.0	<input type="text"/>	
		Are Financial incentives provided for HECWs ?	<input type="radio"/> Yes <input type="radio"/> No	
		Has your Agency completed a HECW Market Penetration Study (this question does not impact your coverage report, purely informational)	<input type="radio"/> Yes <input type="radio"/> No	
		HECW Market Penetration Study Documents (Enter the file name and Email file to Natalie@cuwcc.org)		
		<input type="text"/>		

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

C) WaterSense Specification (WSS) Toilets

(Agency must complete information for at least one coverage option (For Traditional 1, 2, or 3; For Flex Tarck 1, 2, 3, or 4).
You are encouraged to include information on other coverage options, as available.
If seeking credit for additional water savings, you must select Flex Track option)

Flex Track	Traditional	1. Retrofit Resale Ordinance is in Place <input type="radio"/> Yes <input type="radio"/> No													
		If Yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org)													
		<input type="text"/>													
		2. A 75% Market Saturation Achieved <input type="radio"/> Yes <input type="radio"/> No													
		If yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org)													
		<input type="text"/>													
		3. WSS Toilets Installed													
		Number of WSS Toilets Installed <table border="0"><tr><td></td><td>Single Family</td><td>Multi Family</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></table>		Single Family	Multi Family	<input type="text"/>	<input type="text"/>	<input type="text"/>							
			Single Family	Multi Family											
		<input type="text"/>	<input type="text"/>	<input type="text"/>											
Measured Water Savings AF/YR <table border="0"><tr><td><input type="text"/></td><td><input type="text"/></td></tr></table>	<input type="text"/>	<input type="text"/>													
<input type="text"/>	<input type="text"/>														
4. Non-WSS Toilets															
<table border="0"><tr><td></td><td colspan="2">Single Family</td><td colspan="2">Multi Family</td></tr><tr><td>Type of Toilets</td><td>Number of Toilets</td><td>Water Savings</td><td>Number of Toilets</td><td>Water Savings</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></table>		Single Family		Multi Family		Type of Toilets	Number of Toilets	Water Savings	Number of Toilets	Water Savings	<input type="text"/>				
	Single Family		Multi Family												
Type of Toilets	Number of Toilets	Water Savings	Number of Toilets	Water Savings											
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>											
Description of Other Non-WSS Type of Toilets															
<input type="text"/>															
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org															
<input type="text"/>															

D) WSS for New Residential Development

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available. If seeking credit for additional water savings you must select the Flex Track option)

Traditional

	Single Family	Multi Family
Residential development Rebates	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>
Recognition Programs	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>
Reduced connection Fees	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>
Ordinances	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>

New Development Ordinance

(Enter the file name and Email file to Natalie@cuwcc.org)

Number of new Single Family Units built in Service Area

Number of new Multi Family Units built in Service Area

In the following table, enter one row for each incentive typr program you offer

List of Incentive Amount

Incentive Type	Incentive Amount	Number of WSS fixtures installed	Number of Participating		Measured Water Savings	
			Single Family	Multi Family	Single Family	Multi Family
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Flex Track

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

For Traditional Option, Stop Here, do not go further.

For Flex Track Option, please continue...

Flex Track Menu Options

In addition to the measures on the BMP List, the Flex Track menu options may be implemented to meet the savings goal for this BMP. Fill in the water savings measures that your agency has implemented.

E) High bill contact with single-family and multi-family customers

Measured water savings (AF/Year)

Select the Types of Contact:

- Email
 Phone
 Letter
 Others (describe)

Upload sample of contact contents (email, letter, etc.)

– if applicable; enter the file name and email file to Natalie@cuwcc.org

Who initiated the contact:

(Please Specify customer, agencies, or both)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

F) Educate residential customers about the behavioral aspects of water conservation

Measured water savings (AF/Year)

Select types of educational methods used:

- Workshop
 Community Event
 Letter
 On-Site Visit
 Phone Call
 Water Survey
 Website Hit
 Door Hanger
 Other (Describe)

Events

Customers Reached

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

G) Notify residential customers of leaks on the customer's side of the meter

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

J) Install residence water use monitors.

Type of Monitor	Brand	Number Installed	Measured water savings (AF/Year)
<input type="checkbox"/> Dashboard	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Leak Detector	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> Data Logger	<input type="text"/>	<input type="text"/>	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

K) Participate in programs that provide residences with school water conservation kits.

Number of Kits Distributed

Kit contents (including model of fixtures)

List of what was actually installed in the homes (number of showerheads, aerators etc.).

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

L) Implement an automatic meter reading program for residential customers.

AMR or AMI Type of Network

Number of connections installed

Is your agency using these to contact high water-use customers?

Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

OTHER Types of Measures.

Type of Program	Sample / Description	Measured Water Savings (AF/YR)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Comments

The fields in red are required.



Agency name: Rubidoux Community Services District
Reporting unit name (District name): Rubidoux Community Services District
Reporting unit number: 192

Primary contact:

First name: Steven
Last name: Appel
Email: steve@rcsd.org

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2010

[Link to FAQs](#)
[View MOU](#)

BMP 4 CII

Traditional
(Section A - L)

Flex Track
(All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually in the summary cells on the right. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings was measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in the flex track data entry form which are necessary to show that the measure was implemented as described.

CII Type of measure implemented

Traditional	A) High - Efficiency Toilets.		Measured water savings (AF/Year) <input type="text"/>
	Number	<input type="text"/>	
	Type of program	<input type="text" value="Select an Option"/>	
	Other type of program	<input type="text"/>	
Flex Track	Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No		Council's Annual Water Savings 0.041748 AF per device
	If not, Please provide the following:		
	Total Measured Water Savings(AF/Year)	<input type="text"/>	
	Measure life (years)	<input type="text"/>	
	Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			
<input type="text"/>			

B) High - Efficiency Urinals (0.5 gpf)

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year) <input type="text"/>
		Type of program	<input type="text"/>	
Other type of program	<input type="text"/>			
		Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No	Council's Annual Water Savings 0.069086 AF per device	
		If not, Please provide the following		
		Total Measured Water Savings(AF/Year)	<input type="text"/>	
		Measure life (years)	<input type="text"/>	
		Lifetime water savings (years)	<input type="text"/>	
		If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		

C) Ultra Low Volume Urinals (0.125 gpf)

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year) <input type="text"/>
		Type of program	Select an Option	
Other type of program	<input type="text"/>			
		Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No	Council's Annual Water Savings 0.080603 AF per device	
		If not, Please provide the following		
		Total Measured Water Savings(AF/Year)	<input type="text"/>	
		Measure life (years)	<input type="text"/>	
		Lifetime water savings (years)	<input type="text"/>	
		If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		

D) Zero Consumption Urinals (0.0 gpf)

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year) <input type="text"/>
		Type of program	Select an Option	
Other type of program	<input type="text"/>			
		Do you accept the Council's default savings number for this measure? <input type="radio"/> Yes <input type="radio"/> No		

Flex Track

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water Savings 0.0921146
AF per device

E) Commercial High - Efficiency Single Load Clothes Washers

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

Council's Annual Water Savings 0.116618
AF per device

If not , Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

F) Cooling Tower Conductivity Controllers.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

Council's Annual Water Savings 1.032250
AF per device

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

G) Cooling Tower pH Controllers

Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)
	Type of program	<input type="text" value="Select an Option"/>	
	Other type of program	<input type="text"/>	
Flex Track	Do you accept the Council's default savings number for this measure ? <input type="radio"/> Yes <input type="radio"/> No		Council's Annual Water Savings 3.981543 AF per device
	If not, Please provide the following:		
	Total Measured Water Savings(AF/Year)	<input type="text"/>	
	Measure life (years)	<input type="text"/>	
	Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			

H) Connectionless Food Steamers.

Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)
	Type of program	<input type="text"/>	
	Other type of program	<input type="text"/>	
Flex Track	Do you accept the Council's default savings number for this measure ? <input type="radio"/> Yes <input type="radio"/> No		Council's Annual Water Savings 0.25 AF per Steamer Compartment
	If not, Please provide the following:		
	Total Measured Water Savings(AF/Year)	<input type="text"/>	
	Measure life (years)	<input type="text"/>	
	Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org			

I) Medical Equipment Steam Sterilizers

Flex Track	Traditional	Number	<input type="text"/>	Measured water savings (AF/Year)
		Type of program	<input type="text"/>	
		Other type of program	<input type="text"/>	

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water Savings 1.538 AF per device

J) Water - Efficient Ice Machines.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water Savings 0.0834507 AF per device

K) Pressurized Water Brooms.

Traditional

Number

Type of program

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

Council's Annual Water Savings 0.1534 AF per device

Flex Track

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

L) Dry Vacuum Pumps.

Traditional	Number	<input type="text"/>	Measured water savings (AF/Year) <input type="text"/>
	Type of program	Select an Option	
	Other type of program	<input type="text"/>	
Flex Track	Do you accept the Council's default savings number for this measure ?	<input type="radio"/> Yes <input type="radio"/> No	Council's Annual Water Savings 0.064 AF per device
	If not, Please provide the following:		
	Total Measured Water Savings(AF/Year)	<input type="text"/>	
	Measure life (years)	<input type="text"/>	
	Lifetime water savings (years)	<input type="text"/>	
	If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		<input type="text"/>

Traditional Reporting Stop Here, Do not continue

Flex Track Reporting Please Continue...

M) Industrial Process Water Use Reduction.

	Number	<input type="text"/>	Measured water savings (AF/Year) <input type="text"/>
	Type of program	Select an Option	
	Other type of program	<input type="text"/>	
	Type of Process Water Reduced	<input type="text"/>	
	If re-using water, what was the secondary use of the water? (such as pre-rinse cycle or landscaping)	<input type="text"/>	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

N) Commercial Laundry Retrofits.

Number of customers

**Measured
water savings
(AF/Year)**

Type of customer
 hotels
 campuses
 prisons
 laundromats

Lease / own machines
 Lease Own Machines Both

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

O) Industrial Laundry Retrofits.

Total Number of customers

**Measured
water savings
(AF/Year)**

Total Volume of laundry processed annually

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

P) Filter Upgrades (for pools, spas, and fountains).

Number of pools upgraded

Number of spas upgraded

Number of fountains upgraded

Measured water savings (AF/Year)

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Q) Car Wash Reclamation Systems

Measured water savings (AF/Year)

	Conveyor	In-bay
Total Number of program participants (accounts)	<input type="text"/>	<input type="text"/>
Total Number of vehicles washed annually	<input type="text"/>	<input type="text"/>
Do you accept the Council's default savings number for this measure?	<input type="radio"/> Yes <input type="radio"/> No	
If not, Please provide the following:	Council's Annual Water Savings 0.00004607 (or 15 gals) per vehicle	
Total Measured Water Savings(AF/Year)	<input type="text"/>	
Measure life (years)	<input type="text"/>	
Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		
<input type="text"/>		

R) Wet Cleaning.

Brief description of program		Measured water savings (AF/Year) <input type="text"/>
Total Measured Water Savings(AF/Year)	<input type="text"/>	
Measure life (years)	<input type="text"/>	
Lifetime water savings (years)	<input type="text"/>	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		
<input type="text"/>		

S) Water Audits (To avoid double counting, do not include device/replacement water savings.)

Number of water audits by type of business		Measured water savings (AF/Year) <input type="text"/>
Auto	<input type="text"/>	
Food	<input type="text"/>	
Health	<input type="text"/>	
Hotels	<input type="text"/>	

Manufacturing

Membership

Multi-use

Office

Religious

Restaurant

Retail/
Wholesale

School

Other (with
description)

Description of
Other

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

**T) Clean In Place (CIP) Technology
(such as bottle sterilization in a beverage processing plant)**

**Measured
water savings
(AF/Year)**

Number of
customers

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

U) Waterless Wok

Number

Measured
water savings
(AF/Year)

Type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

V) Alternative On-site Water Sources

(For Rain Water Harvesting, commercial
rain barrels are excluded. For Foundation Drain
Water, exclude permeable paving.)

Measured
water savings
(AF/Year)

Select type	Number	Description
<input type="checkbox"/> Cooling Condensate	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Foundation Drain Water	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Gray Water	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Storm Water	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Rain Water	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Pond and Water Feature Recycling	<input type="text"/>	<input type="text"/>

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

W) Sub - metering

**Measured
water savings
(AF/Year)**

Select type	Number	Description
<input type="checkbox"/> Condominiums	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Apartments	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Mobile Homes	<input type="text"/>	<input type="text"/>

Do you accept the Council's default savings numbers for this measure? Yes No

Council's Annual Water Savings
Appartments & Condos=0.024419 AF/YR
Mobile Home = 0.056774 AF/Yr

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

X) High Efficiency Showerheads

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Y) Faucet Flow Restrictors

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Z) Water Efficient Dishwashers

**Measured
water savings
(AF/Year)**

Select type Rack

Conveyor

Other

Description of Other

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

AA) Hot Water on Demand

Measured water savings (AF/Year)

Number

Type of program

Select an Option

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

BB) Pre-rinse Spray Valves of 1.3 gpm (gallons per minute) or less

Measured water savings (AF/Year)

Number

Type of program

Select an Option

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org

CC) Central Flush Systems

		Measured water savings (AF/Year)
Number	<input type="text"/>	<input type="text"/>
Type of program	<input type="text" value="Select an Option"/>	
Other type of program	<input type="text"/>	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org

Other Measures chosen by the Agency

Description of program	<input type="text"/>	Measured water savings (AF/Year)
Sample (if applicable)	<input type="text"/>	<input type="text"/>

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
 Enter the file name and Email to Natalie@cuwcc.org



The fields in red are required.

Agency name:

Reporting unit name (District name):

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)
[View MOU](#)

2010

BMP 5 Landscape

- Traditional Flex Track

For Traditional Track please answer the fields within the traditional boxes.
For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data point also requested in form which are necessary to show that the measure was implemented as described.

Accounts with Dedicated Irrigation Meters

Traditional	Number of dedicated irrigation meter accounts	<input type="text"/>
	Number of dedicated irrigation meter accounts with water budgets	<input type="text"/>
	Aggregate water use for dedicated non-recreational landscape accounts with budgets	<input type="text"/>
	Aggregate acreage assigned water budgets for dedicated non-recreational landscape accounts with budgets	<input type="text"/>
	Preserved water use records and budgets for customers with dedicated landscape irrigation accounts for at least four years	<input type="radio"/> Yes <input type="radio"/> No
Flex Track	Water Savings from Accounts with dedicated irrigation meters with water budgets (Acre Feet)	<input type="text"/>
	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)	
		<input type="text"/>

Technical Assistance

Traditional	Number of Accounts 20% over-budget	<input type="text"/>	Measured water savings (AF/Year)
	Number of accounts 20% over-budget offered technical assistance	<input type="text"/>	
	Number of accounts 20% over-budget accepting technical assistance	<input type="text"/>	
Flex Track	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)		<input type="text"/>
			<input type="text"/>

Irrigation Water Use Surveys for Mixed-use and Un-metered Accounts

Traditional	Number of mixed use and un-metered accounts	<input type="text"/>	Measured water savings (AF/Year)
	Number of irrigation water use surveys offered (cumulative, all years)	<input type="text"/>	
	Number of irrigation water use surveys accepted (cumulative)	<input type="text"/>	
	Can your Agency estimate the amount of landscape acreage for mixed use and Un-metered accounts	<input type="radio"/> Yes <input type="radio"/> No	
	If Yes, Aggregate acreage for mixed use and Un-metered accounts	<input type="text"/>	
Flex Track	Estimated water demand from acreage for mixed use and Un-metered accounts	<input type="text"/>	
	Annual water savings by customers receiving irrigation water savings surveys and implementing recommendations	<input type="text"/>	
	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)		

Financial Incentives

Traditional	Have you implemented and maintained an irrigation equipment retrofit incentive program? <input type="radio"/> Yes <input type="radio"/> No			Measured Water Savings (AF/YR)	
	Number of incentives	Dollar value of incentives	Incentive Types		
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
Flex Track	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)				

**Traditional Reporting Stop Here, Do not continue
Flex Track Reporting Please Continue...**

Landscape Flex Track Measure Types

1. Monitor and report on landscape water use

- A) Measure landscapes and develop water budgets for customers with dedicated landscape meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules (such as faxes, twitter, etc. not included in the previous sections).**

**Measured
water savings
(AF/Year)**

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- B) Measure landscapes and develop water budgets for customers with Mixed Use meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules.**

**Measured
water savings
(AF/Year)**

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- C) Establish agency-wide water budget. (Note that: ETo based water budget in the MWELo changed in 2010 from .8ETo to .7ETo.)**

Agency-wide total irrigated area
Per-2010

(Acres)

Agency-wide total irrigated area
Post-2010

(Acres)

Amount of Water Used

(AF/Acre)

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish agency-wide, sector-based irrigation goal to reduce water use, based on seasonality.

Number of minimum irrigation goal (AF/Acre)

Amount of Water Used per Period (AF/Period)

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

2. Provide technical landscape resources and training

A) Upon customer requests, provide landscape irrigation management and landscape design information and resources: provide assistance, answer customer questions, respond to run-off and high-bill calls.

Enter the Number of:

Contacts In Person

Contacts over the phone

Contacts via Email

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Perform landscape & irrigation audits: including irrigation scheduling, plant information, and landscape area measurement.

Enter the Number of:

Audits conducted per year

Measurement of square
footage of Turf areas

Measurement of square
footage of NON Turf areas

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Sponsor, co-sponsor, promote, or support landscape workshops, training, presentations and other technical educational events for homeowners and professionals: design, installation, maintenance, water management.

Enter the Number of:

Events

Participants

List Type or
Title of Events

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish Time-of-Day Irrigation Restrictions.

Yes No

Describe Restrictions:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Establish Day-of-Week Irrigation Restrictions. Yes No

Describe Restrictions:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

3. Provide incentives

A) Establish Landscape budget-based rates. Yes No

Describe Rates:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Provide incentives for conversions from mixed-use meters to dedicated landscape meters.

Number of Conversions:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Provide incentives for installing sub-meters to separate landscape water use

Number of meters installed:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Provide incentives for irrigation equipment upgrades that improve distribution uniformity, irrigation efficiency, or scheduling capabilities.

Select types of irrigation equipment upgrades:

- Controllers
- Emitters
- Soil moisture sensors
- Pressure Regulators
- Rain shut off devices
- Other (describe)

Number of devices installed

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Provide incentives for the reduction of water use over an irrigated area, or reduction in the size of the irrigated area due to replacement of turf or other high water-using plants with low water-using plants, artificial turf, or permeable surfaces.

Acreage of live turf converted to low water-using plants, artificial turf, or permeable surfaces: Acres

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

F) Provide incentives for conversions from potable to recycled water.

Number of Conversions:
Number of Incentives:
Funds Invested:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

G) Provide incentives for the use of alternative sources of water in the landscape (i.e. gray water, rainwater, cisterns, etc.)

Number of Conversions:
Number of Incentives:
Funds Invested:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Participate in regional efforts: integrated water resource management, watershed management, NPDES permit agencies, etc.

Yes No

Describe Involvement:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

5. Develop a holistic approach to landscape water use efficiency

A) Develop and implement a comprehensive landscape water conservation program for all customers. Target marketing efforts to those most likely to result in benefits to both customer and Agency.

Describe Program:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

6. Other Measures

A) Other Landscape Measures.

Describe Other
Landscape Measures:

**Measured
water savings
(Af/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file Natalie@cuwcc.org)

RESPONSES FROM DWR

**PLACEHOLDER FOR
RESPONSE FROM DWR**