

**Water Conservation Act of 2009
SB X7-7
Verification Forms**

Redwood Valley District

**2015 Urban Water Management Plan
Appendix I**



SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	503	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	2000	
	Year ending baseline period range ³	2009	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range ⁴	2007	
¹ If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.			
² The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.			
³ The ending year must be between December 31, 2004 and December 31, 2010.			
⁴ The ending year must be between December 31, 2007 and December 31, 2010.			

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
☐	1. Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
☐	2. Persons-per-Connection Method
☐	3. DWR Population Tool
☒	4. Other DWR recommends pre-review
NOTES: Cal Water uses a population estimation methodology based on overlaying Census Block data from the 2000 and 2010 Censuses with the District's service area. LandView 5 and MARPLOT software are used with these data to estimate population per dwelling unit for 2000 and 2010. The per dwelling unit population estimates are then combined with Cal Water data on number of dwelling units served to estimate service area population for non-Census years. Cal Water also estimated service area population using DWR's Population Tool. The estimates prepared using Cal Water's methodology and DWR's Population Tool differed by about ten percent. Cal Water is electing to use the population estimates produced by its methodology because the Population Tool may not be an accurate method for rural and sparsely populated areas, according to DWR documentation.	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	2000	3,277
Year 2	2001	3,297
Year 3	2002	3,196
Year 4	2003	3,240
Year 5	2004	3,261
Year 6	2005	3,294
Year 7	2006	3,299
Year 8	2007	3,312
Year 9	2008	3,315
Year 10	2009	3,318
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	3,240
Year 2	2004	3,261
Year 3	2005	3,294
Year 4	2006	3,299
Year 5	2007	3,312
2015 Compliance Year Population		
2015		3,201

SB X7-7 Table 4: Annual Gross Water Use *								
Baseline Year <i>Fm SB X7-7 Table 3</i>		Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Annual Gross Water Use
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	
10 to 15 Year Baseline - Gross Water Use								
Year 1	2000	635			-		-	635
Year 2	2001	684			-		-	684
Year 3	2002	726			-		-	726
Year 4	2003	650			-		-	650
Year 5	2004	636			-		-	636
Year 6	2005	612			-		-	612
Year 7	2006	603			-		-	603
Year 8	2007	568			-		-	568
Year 9	2008	503			-		-	503
Year 10	2009	472			-		-	472
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								609
5 Year Baseline - Gross Water Use								
Year 1	2003	650			-		-	650
Year 2	2004	636			-		-	636
Year 3	2005	612			-		-	612
Year 4	2006	603			-		-	603
Year 5	2007	568			-		-	568
5 year baseline average gross water use								614
2015 Compliance Year - Gross Water Use								
2015		290	-		-		-	290
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								

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

Complete one table for each source.

Name of Source		Wells & Surface		
This water source is:				
☒	The supplier's own water source			
☐	A purchased or imported source			
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	2000	635		635
Year 2	2001	684		684
Year 3	2002	726		726
Year 4	2003	650		650
Year 5	2004	636		636
Year 6	2005	611		611
Year 7	2006	596		596
Year 8	2007	562		562
Year 9	2008	496		496
Year 10	2009	466		466
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2003	650		650
Year 2	2004	636		636
Year 3	2005	611		611
Year 4	2006	596		596
Year 5	2007	562		562
2015 Compliance Year - Water into Distribution System				
2015		285		285
* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document				
NOTES:				

SB X7-7 Table 4-A: Volume Entering the Distribution				
Name of Source		Sweetwater Springs Water District		
This water source is:				
☐	The supplier's own water source			
☒	A purchased or imported source			
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	2,000	0		0
Year 2	2,001	0		0
Year 3	2,002	0		0
Year 4	2,003	0		0
Year 5	2,004	0		0
Year 6	2,005	1.060610373		1
Year 7	2,006	7.137310927		7
Year 8	2,007	6.219033548		6
Year 9	2,008	6.232807709		6
Year 10	2,009	5.590013544		6
Year 11	-			0
Year 12	-			0
Year 13	-			0
Year 14	-			0
Year 15	-			0
5 Year Baseline - Water into Distribution System				
Year 1	2,003	0		0
Year 2	2,004	0		0
Year 3	2,005	1.060610373		1
Year 4	2,006	7.137310927		7
Year 5	2,007	6.219033548		6
2015 Compliance Year - Water into Distribution System				
2015	5			5
* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document				

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	2000	3,277	635	173
Year 2	2001	3,297	684	185
Year 3	2002	3,196	726	203
Year 4	2003	3,240	650	179
Year 5	2004	3,261	636	174
Year 6	2005	3,294	612	166
Year 7	2006	3,299	603	163
Year 8	2007	3,312	568	153
Year 9	2008	3,315	503	135
Year 10	2009	3,318	472	127
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				166
5 Year Baseline GPCD				
Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2003	3,240	650	179
Year 2	2004	3,261	636	174
Year 3	2005	3,294	612	166
Year 4	2006	3,299	603	163
Year 5	2007	3,312	568	153
5 Year Average Baseline GPCD				167
2015 Compliance Year GPCD				
2015		3,201	290	81

SB X7-7 Table 6: Gallons per Capita per Day <i>Summary From Table SB X7-7 Table 5</i>	
10-15 Year Baseline GPCD	166
5 Year Baseline GPCD	167
2015 Compliance Year GPCD	81

SB X7-7 Table 7: 2020 Target Method		
<i>Select Only One</i>		
Target Method		Supporting Documentation
☐	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
☒	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator

SB X7-7 Table 7-E: Target Method 3				
Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
☒	27%	North Coast	137	130
☐		North Lahontan	173	164
☒	73%	Sacramento River	176	167
☐		San Francisco Bay	131	124
☐		San Joaquin River	174	165
☐		Central Coast	123	117
☐		Tulare Lake	188	179
☐		South Lahontan	170	162
☐		South Coast	149	142
☐		Colorado River	211	200
Target <i>(If more than one region is selected, this value is calculated.)</i>				157

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
167	159	157	157
¹ Maximum 2020 Target is 95% of the 5 Year Baseline GPCD ² 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.			

SB X7-7 Table 8: 2015 Interim Target GPCD		
Confirmed 2020 Target <i>Fm SB X7-7 Table 7-F</i>	10-15 year Baseline GPCD <i>Fm SB X7-7 Table 5</i>	2015 Interim Target GPCD
157	166	161

SB X7-7 Table 9: 2015 Compliance

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments <i>(in GPCD)</i>					2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015?
		Enter "0" if Adjustment Not Used			TOTAL Adjustments	Adjusted 2015 GPCD		
		Extraordinary Events	Weather Normalization	Economic Adjustment				
81	161	-	-	-	-	81	81	YES