

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

Kern River 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	1,331	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period ^{1,2}	10	Years
	Year beginning baseline period range	1999	
	Year ending baseline period range ³	2008	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2004	
	Year ending baseline period range ⁴	2008	
<p>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.</p>			
<p>³ The ending year must be between December 31, 2004 and December 31, 2010.</p>			
<p>⁴ The ending year must be between December 31, 2007 and December 31, 2010.</p>			

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
<input type="checkbox"/>	1. Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input type="checkbox"/>	2. Persons-per-Connection Method
<input type="checkbox"/>	3. DWR Population Tool
<input checked="" type="checkbox"/>	4. Other DWR recommends pre-review
<p>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 4 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.</p>	

SB X7-7 Table 3: Service Area Population		
Year	Population	
10 to 15 Year Baseline Population		
Year 1	1999	6,103
Year 2	2000	6,127
Year 3	2001	6,071
Year 4	2002	6,086
Year 5	2003	6,228
Year 6	2004	6,274
Year 7	2005	6,303
Year 8	2006	6,292
Year 9	2007	6,043
Year 10	2008	6,023
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2004	6,274
Year 2	2005	6,303
Year 3	2006	6,292
Year 4	2007	6,043
Year 5	2008	6,023
2015 Compliance Year Population		
	2015	5,583

SB X7-7 Table 4: Annual Gross Water Use *								
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Annual Gross Water Use	
		Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>		
10 to 15 Year Baseline - Gross Water Use								
Year 1	1999	1,532			-		-	1,532
Year 2	2000	1,556			-		-	1,556
Year 3	2001	1,476			-		-	1,476
Year 4	2002	1,474			-		-	1,474
Year 5	2003	1,352			-		-	1,352
Year 6	2004	1,375			-		-	1,375
Year 7	2005	1,247			-		-	1,247
Year 8	2006	1,372			-		-	1,372
Year 9	2007	1,386			-		-	1,386
Year 10	2008	1,331			-		-	1,331
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								1,410
5 Year Baseline - Gross Water Use								
Year 1	2004	1,375			-		-	1,375
Year 2	2005	1,247			-		-	1,247
Year 3	2006	1,372			-		-	1,372
Year 4	2007	1,386			-		-	1,386
Year 5	2008	1,331			-		-	1,331
5 year baseline average gross water use								1,342
2015 Compliance Year - Gross Water Use								
2015		688	-		-		-	688
* 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 & Kern River		
This water source is:				
<input checked="" type="checkbox"/>	The supplier's own water source			
<input type="checkbox"/>	A purchased or imported source			
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1999	1,532		1,532
Year 2	2000	1,556		1,556
Year 3	2001	1,476		1,476
Year 4	2002	1,474		1,474
Year 5	2003	1,352		1,352
Year 6	2004	1,375		1,375
Year 7	2005	1,247		1,247
Year 8	2006	1,372		1,372
Year 9	2007	1,386		1,386
Year 10	2008	1,331		1,331
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2004	1,375		1,375
Year 2	2005	1,247		1,247
Year 3	2006	1,372		1,372
Year 4	2007	1,386		1,386
Year 5	2008	1,331		1,331
2015 Compliance Year - Water into Distribution System				
2015		688		688
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1999	6,103	1,532	224
Year 2	2000	6,127	1,556	227
Year 3	2001	6,071	1,476	217
Year 4	2002	6,086	1,474	216
Year 5	2003	6,228	1,352	194
Year 6	2004	6,274	1,375	196
Year 7	2005	6,303	1,247	177
Year 8	2006	6,292	1,372	195
Year 9	2007	6,043	1,386	205
Year 10	2008	6,023	1,331	197
Year 11	0	-	-	-
Year 12	0	-	-	-
Year 13	0	-	-	-
Year 14	0	-	-	-
Year 15	0	-	-	-
10-15 Year Average Baseline GPCD				205
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	2004	6,274	1,375	196
Year 2	2005	6,303	1,247	177
Year 3	2006	6,292	1,372	195
Year 4	2007	6,043	1,386	205
Year 5	2008	6,023	1,331	197
5 Year Average Baseline GPCD				194
2015 Compliance Year GPCD				
2015		5,583	688	110

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	205
5 Year Baseline GPCD	194
2015 Compliance Year GPCD	110

SB X7-7 Table 7: 2020 Target Method		
<i>Select Only One</i>		
Target Method		Supporting Documentation
<input type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
<input checked="" type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	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%)
<input type="checkbox"/>		North Coast	137	130
<input type="checkbox"/>		North Lahontan	173	164
<input type="checkbox"/>		Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		Central Coast	123	117
<input checked="" type="checkbox"/>	100%	Tulare Lake	188	179
<input type="checkbox"/>		South Lahontan	170	162
<input type="checkbox"/>		South Coast	149	142
<input type="checkbox"/>		Colorado River	211	200
Target <i>(If more than one region is selected, this value is calculated.)</i>				179

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD <i>From SB X7-7 Table 5</i>	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
194	184	179	179

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
179	205	192

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments (in GPCD)					2015 GPCD (Adjusted if applicable)	Did Supplier Achieve Targeted Reduction for 2015?
		Enter "0" if Adjustment Not Used			TOTAL Adjustments	Adjusted 2015 GPCD		
		Extraordinary Events	Weather Normalization	Economic Adjustment				
110	192	-	-	-	-	110	110	YES