

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

King City District

**2015 Urban Water Management Plan
Appendix I**



King City District SB X7-7 Verification Form Tables

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	1,853	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	1995	
	Year ending baseline period range ³	2004	
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	
<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 6 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>	

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SB X7-7 Table 3: Service Area Population		
Year	Population	
10 to 15 Year Baseline Population		
Year 1	1995	8,877
Year 2	1996	9,094
Year 3	1997	9,392
Year 4	1998	9,657
Year 5	1999	10,443
Year 6	2000	10,866
Year 7	2001	10,972
Year 8	2002	11,149
Year 9	2003	11,298
Year 10	2004	11,423
<i>Year 11</i>		
<i>Year 12</i>		
<i>Year 13</i>		
<i>Year 14</i>		
<i>Year 15</i>		
5 Year Baseline Population		
Year 1	2003	11,298
Year 2	2004	11,423
Year 3	2005	11,613
Year 4	2006	12,023
Year 5	2007	12,437
2015 Compliance Year Population		
	2015	14,854

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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	1995	1,547			-		-	1,547
Year 2	1996	1,708			-		-	1,708
Year 3	1997	1,740			-		-	1,740
Year 4	1998	1,611			-		-	1,611
Year 5	1999	1,776			-		-	1,776
Year 6	2000	1,872			-		-	1,872
Year 7	2001	1,843			-		-	1,843
Year 8	2002	1,862			-		-	1,862
Year 9	2003	1,862			-		-	1,862
Year 10	2004	2,042			-		-	2,042
<i>Year 11</i>	0	-			-		-	-
<i>Year 12</i>	0	-			-		-	-
<i>Year 13</i>	0	-			-		-	-
<i>Year 14</i>	0	-			-		-	-
<i>Year 15</i>	0	-			-		-	-
10 - 15 year baseline average gross water use								1,786
5 Year Baseline - Gross Water Use								
Year 1	2003	1,862			-		-	1,862
Year 2	2004	2,042			-		-	2,042
Year 3	2005	1,907			-		-	1,907
Year 4	2006	1,913			-		-	1,913
Year 5	2007	2,003			-		-	2,003
5 year baseline average gross water use								1,945
2015 Compliance Year - Gross Water Use								
2015		1,441	-		-		-	1,441
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								

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SB X7-7 Table 4-A: Volume Entering the Distribution System(s)				
Complete one table for each source.				
Name of Source		Wells		
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	1995	1,547		1,547
Year 2	1996	1,708		1,708
Year 3	1997	1,740		1,740
Year 4	1998	1,611		1,611
Year 5	1999	1,776		1,776
Year 6	2000	1,872		1,872
Year 7	2001	1,843		1,843
Year 8	2002	1,862		1,862
Year 9	2003	1,862		1,862
Year 10	2004	2,042		2,042
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	1,862		1,862
Year 2	2004	2,042		2,042
Year 3	2005	1,907		1,907
Year 4	2006	1,913		1,913
Year 5	2007	2,003		2,003
2015 Compliance Year - Water into Distribution System				
2015		1,441		1,441
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

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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	1995	8,877	1,547	156
Year 2	1996	9,094	1,708	168
Year 3	1997	9,392	1,740	165
Year 4	1998	9,657	1,611	149
Year 5	1999	10,443	1,776	152
Year 6	2000	10,866	1,872	154
Year 7	2001	10,972	1,843	150
Year 8	2002	11,149	1,862	149
Year 9	2003	11,298	1,862	147
Year 10	2004	11,423	2,042	160
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				155
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	11,298	1,862	147
Year 2	2004	11,423	2,042	160
Year 3	2005	11,613	1,907	147
Year 4	2006	12,023	1,913	142
Year 5	2007	12,437	2,003	144
5 Year Average Baseline GPCD				148
2015 Compliance Year GPCD				
2015		14,854	1,441	87

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

10-15 Year Baseline GPCD	155
5 Year Baseline GPCD	148
2015 Compliance Year GPCD	87

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

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
155	124

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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
148	140	124	124
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.			

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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
124	155	139

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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				
87	139	-	-	-	-	87	87	YES