

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

**Willows District**

**2015 Urban Water Management Plan  
Appendix I**



<b>SB X7-7 Table-1: Baseline Period Ranges</b>			
<b>Baseline</b>	<b>Parameter</b>	<b>Value</b>	<b>Units</b>
10- to 15-year baseline period	2008 total water deliveries	1,924	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 <sup>1,2</sup>	10	Years
	Year beginning baseline period range	1999	
	Year ending baseline period range <sup>3</sup>	2008	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2004	
	Year ending baseline period range <sup>4</sup>	2008	
<p><sup>1</sup> 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. <sup>2</sup> 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><sup>3</sup> The ending year must be between December 31, 2004 and December 31, 2010.</p>			
<p><sup>4</sup> The ending year must be between December 31, 2007 and December 31, 2010.</p>			

<b>SB X7-7 Table 2: Method for Population Estimates</b>	
<b>Method Used to Determine Population</b> (may check more than one)	
<input type="checkbox"/>	<b>1. Department of Finance (DOF)</b> DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input type="checkbox"/>	<b>2. Persons-per-Connection Method</b>
<input type="checkbox"/>	<b>3. DWR Population Tool</b>
<input checked="" type="checkbox"/>	<b>4. Other</b> 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 were within one percent. Cal Water is electing to use the population estimates produced by its methodology in order to maintain consistency with population projections it has prepared in other planning documents and reports.</p>	

<b>SB X7-7 Table 3: Service Area Population</b>		
<b>Year</b>	<b>Population</b>	
<b>10 to 15 Year Baseline Population</b>		
Year 1	1999	6,934
Year 2	2000	6,946
Year 3	2001	6,953
Year 4	2002	6,973
Year 5	2003	6,982
Year 6	2004	6,982
Year 7	2005	6,979
Year 8	2006	7,007
Year 9	2007	7,058
Year 10	2008	7,008
<i>Year 11</i>		
<i>Year 12</i>		
<i>Year 13</i>		
<i>Year 14</i>		
<i>Year 15</i>		
<b>5 Year Baseline Population</b>		
Year 1	2004	6,982
Year 2	2005	6,979
Year 3	2006	7,007
Year 4	2007	7,058
Year 5	2008	7,008
<b>2015 Compliance Year Population</b>		
	<b>2015</b>	<b>7,118</b>

<b>SB X7-7 Table 4: Annual Gross Water Use *</b>								
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>		
<b>10 to 15 Year Baseline - Gross Water Use</b>								
Year 1	1999	1,925			-		-	1,925
Year 2	2000	1,934			-		-	1,934
Year 3	2001	1,956			-		-	1,956
Year 4	2002	2,062			-		-	2,062
Year 5	2003	1,892			-		-	1,892
Year 6	2004	2,043			-		-	2,043
Year 7	2005	1,957			-		-	1,957
Year 8	2006	1,937			-		-	1,937
Year 9	2007	2,049			-		-	2,049
Year 10	2008	1,924			-		-	1,924
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
<b>10 - 15 year baseline average gross water use</b>								<b>1,968</b>
<b>5 Year Baseline - Gross Water Use</b>								
Year 1	2004	2,043			-		-	2,043
Year 2	2005	1,957			-		-	1,957
Year 3	2006	1,937			-		-	1,937
Year 4	2007	2,049			-		-	2,049
Year 5	2008	1,924			-		-	1,924
<b>5 year baseline average gross water use</b>								<b>1,982</b>
<b>2015 Compliance Year - Gross Water Use</b>								
<b>2015</b>		1,044	-		-		-	<b>1,044</b>
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								

<b>SB X7-7 Table 4-A: Volume Entering the Distribution System(s)</b>				
Complete one table for each source.				
<b>Name of Source</b>		Wells		
<b>This water source is:</b>				
<input checked="" type="checkbox"/>	The supplier's own water source			
<input type="checkbox"/>	A purchased or imported source			
<b>Baseline Year</b> <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System	
<b>10 to 15 Year Baseline - Water into Distribution System</b>				
Year 1	1999	1,925		1,925
Year 2	2000	1,934		1,934
Year 3	2001	1,956		1,956
Year 4	2002	2,062		2,062
Year 5	2003	1,892		1,892
Year 6	2004	2,043		2,043
Year 7	2005	1,957		1,957
Year 8	2006	1,937		1,937
Year 9	2007	2,049		2,049
Year 10	2008	1,924		1,924
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
<b>5 Year Baseline - Water into Distribution System</b>				
Year 1	2004	2,043		2,043
Year 2	2005	1,957		1,957
Year 3	2006	1,937		1,937
Year 4	2007	2,049		2,049
Year 5	2008	1,924		1,924
<b>2015 Compliance Year - Water into Distribution System</b>				
<b>2015</b>		1,044		1,044
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

<b>SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)</b>				
<b>Baseline Year</b> <i>Fm SB X7-7 Table 3</i>		<b>Service Area Population</b> <i>Fm SB X7-7 Table 3</i>	<b>Annual Gross Water Use</b> <i>Fm SB X7-7 Table 4</i>	<b>Daily Per Capita Water Use (GPCD)</b>
<b>10 to 15 Year Baseline GPCD</b>				
Year 1	1999	6,934	1,925	248
Year 2	2000	6,946	1,934	249
Year 3	2001	6,953	1,956	251
Year 4	2002	6,973	2,062	264
Year 5	2003	6,982	1,892	242
Year 6	2004	6,982	2,043	261
Year 7	2005	6,979	1,957	250
Year 8	2006	7,007	1,937	247
Year 9	2007	7,058	2,049	259
Year 10	2008	7,008	1,924	245
Year 11	0	-	-	-
Year 12	0	-	-	-
Year 13	0	-	-	-
Year 14	0	-	-	-
Year 15	0	-	-	-
<b>10-15 Year Average Baseline GPCD</b>				<b>252</b>
<b>5 Year Baseline GPCD</b>				
<b>Baseline Year</b> <i>Fm SB X7-7 Table 3</i>		<b>Service Area Population</b> <i>Fm SB X7-7 Table 3</i>	<b>Gross Water Use</b> <i>Fm SB X7-7 Table 4</i>	<b>Daily Per Capita Water Use</b>
Year 1	2004	6,982	2,043	261
Year 2	2005	6,979	1,957	250
Year 3	2006	7,007	1,937	247
Year 4	2007	7,058	2,049	259
Year 5	2008	7,008	1,924	245
<b>5 Year Average Baseline GPCD</b>				<b>253</b>
<b>2015 Compliance Year GPCD</b>				
<b>2015</b>		7,118	1,044	<b>131</b>

<b>SB X7-7 Table 6: Gallons per Capita per Day</b> <i>Summary From Table SB X7-7 Table 5</i>	
10-15 Year Baseline GPCD	252
5 Year Baseline GPCD	253
2015 Compliance Year GPCD	131



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

<b>SB X7-7 Table 7-A: Target Method 1</b>	
20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
252	201

<b>SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target</b>			
5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target <sup>1</sup>	Calculated 2020 Target <sup>2</sup>	<b>Confirmed 2020 Target</b>
253	240	201	<b>201</b>
<sup>1</sup> Maximum 2020 Target is 95% of the 5 Year Baseline GPCD <sup>2</sup> 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.			

<b>SB X7-7 Table 8: 2015 Interim Target GPCD</b>		
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>	<b>2015 Interim Target GPCD</b>
201	252	<b>226</b>

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				
131	226	-	-	-	-	131	131	YES