

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

**Marysville 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	3,065	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	1995	
	Year ending baseline period range <sup>3</sup>	2004	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range <sup>4</sup>	2007	
<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 differed by less than two 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>	

<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	1995	12,016
Year 2	1996	12,008
Year 3	1997	11,967
Year 4	1998	12,017
Year 5	1999	12,102
Year 6	2000	12,099
Year 7	2001	12,097
Year 8	2002	12,110
Year 9	2003	12,161
Year 10	2004	12,147
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
<b>5 Year Baseline Population</b>		
Year 1	2003	12,161
Year 2	2004	12,147
Year 3	2005	12,116
Year 4	2006	12,082
Year 5	2007	12,045
<b>2015 Compliance Year Population</b>		
	<b>2015</b>	<b>12,177</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	1995	3,513			-		-	3,513
Year 2	1996	3,693			-		-	3,693
Year 3	1997	3,620			-		-	3,620
Year 4	1998	3,112			-		-	3,112
Year 5	1999	3,501			-		-	3,501
Year 6	2000	3,414			-		-	3,414
Year 7	2001	3,277			-		-	3,277
Year 8	2002	3,432			-		-	3,432
Year 9	2003	3,163			-		-	3,163
Year 10	2004	3,238			-		-	3,238
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>3,396</b>
<b>5 Year Baseline - Gross Water Use</b>								
Year 1	2003	3,163			-		-	3,163
Year 2	2004	3,238			-		-	3,238
Year 3	2005	2,853			-		-	2,853
Year 4	2006	3,104			-		-	3,104
Year 5	2007	3,123			-		-	3,123
<b>5 year baseline average gross water use</b>								<b>3,096</b>
<b>2015 Compliance Year - Gross Water Use</b>								
<b>2015</b>		1,741	-		-		-	<b>1,741</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>	<b>Volume Entering Distribution System</b>	<b>Meter Error Adjustment* Optional (+/-)</b>	<b>Corrected Volume Entering Distribution System</b>	
<b>10 to 15 Year Baseline - Water into Distribution System</b>				
Year 1	1995	3,513		3,513
Year 2	1996	3,693		3,693
Year 3	1997	3,620		3,620
Year 4	1998	3,112		3,112
Year 5	1999	3,501		3,501
Year 6	2000	3,414		3,414
Year 7	2001	3,277		3,277
Year 8	2002	3,432		3,432
Year 9	2003	3,163		3,163
Year 10	2004	3,238		3,238
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	2003	3,163		3,163
Year 2	2004	3,238		3,238
Year 3	2005	2,853		2,853
Year 4	2006	3,104		3,104
Year 5	2007	3,123		3,123
<b>2015 Compliance Year - Water into Distribution System</b>				
<b>2015</b>		1,741		1,741
<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	1995	12,016	3,513	261
Year 2	1996	12,008	3,693	275
Year 3	1997	11,967	3,620	270
Year 4	1998	12,017	3,112	231
Year 5	1999	12,102	3,501	258
Year 6	2000	12,099	3,414	252
Year 7	2001	12,097	3,277	242
Year 8	2002	12,110	3,432	253
Year 9	2003	12,161	3,163	232
Year 10	2004	12,147	3,238	238
Year 11	0	-	-	-
Year 12	0	-	-	-
Year 13	0	-	-	-
Year 14	0	-	-	-
Year 15	0	-	-	-
<b>10-15 Year Average Baseline GPCD</b>				<b>251</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	2003	12,161	3,163	232
Year 2	2004	12,147	3,238	238
Year 3	2005	12,116	2,853	210
Year 4	2006	12,082	3,104	229
Year 5	2007	12,045	3,123	231
<b>5 Year Average Baseline GPCD</b>				<b>228</b>
<b>2015 Compliance Year GPCD</b>				
<b>2015</b>		12,177	1,741	<b>128</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	251
5 Year Baseline GPCD	228
2015 Compliance Year GPCD	128



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
251	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>
228	217	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	251	<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				
128	226	-	-	-	-	128	128	YES