

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

Mid-Peninsula District

**2015 Urban Water Management Plan
Appendix I**



Mid-Peninsula 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	18,159	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	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 less than 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>	

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SB X7-7 Table 3: Service Area Population		
Year	Population	
10 to 15 Year Baseline Population		
Year 1	1999	120,578
Year 2	2000	120,632
Year 3	2001	121,408
Year 4	2002	121,967
Year 5	2003	122,817
Year 6	2004	123,451
Year 7	2005	124,135
Year 8	2006	124,768
Year 9	2007	125,378
Year 10	2008	125,766
<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	122,817
Year 2	2004	123,451
Year 3	2005	124,135
Year 4	2006	124,768
Year 5	2007	125,378
2015 Compliance Year Population		
	2015	133,679

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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	1999	18,353			-		-	18,353
Year 2	2000	19,004			-		-	19,004
Year 3	2001	19,300			-		-	19,300
Year 4	2002	19,095			-		-	19,095
Year 5	2003	18,383			-		-	18,383
Year 6	2004	19,197			-		-	19,197
Year 7	2005	18,253			-		-	18,253
Year 8	2006	17,735			-		-	17,735
Year 9	2007	18,068			-		-	18,068
Year 10	2008	18,159			-		-	18,159
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								18,555
5 Year Baseline - Gross Water Use								
Year 1	2003	18,383			-		-	18,383
Year 2	2004	19,197			-		-	19,197
Year 3	2005	18,253			-		-	18,253
Year 4	2006	17,735			-		-	17,735
Year 5	2007	18,068			-		-	18,068
5 year baseline average gross water use								18,327
2015 Compliance Year - Gross Water Use								
2015		12,689	-		-		-	12,689
* 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		SFPUC		
This water source is:				
<input type="checkbox"/>	The supplier's own water source			
<input checked="" 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	18,353		18,353
Year 2	2000	19,004		19,004
Year 3	2001	19,300		19,300
Year 4	2002	19,095		19,095
Year 5	2003	18,383		18,383
Year 6	2004	19,197		19,197
Year 7	2005	18,253		18,253
Year 8	2006	17,735		17,735
Year 9	2007	18,068		18,068
Year 10	2008	18,159		18,159
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	18,383		18,383
Year 2	2004	19,197		19,197
Year 3	2005	18,253		18,253
Year 4	2006	17,735		17,735
Year 5	2007	18,068		18,068
2015 Compliance Year - Water into Distribution System				
	2015	12,689		12,689
<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	1999	120,578	18,353	136
Year 2	2000	120,632	19,004	141
Year 3	2001	121,408	19,300	142
Year 4	2002	121,967	19,095	140
Year 5	2003	122,817	18,383	134
Year 6	2004	123,451	19,197	139
Year 7	2005	124,135	18,253	131
Year 8	2006	124,768	17,735	127
Year 9	2007	125,378	18,068	129
Year 10	2008	125,766	18,159	129
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				135
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	122,817	18,383	134
Year 2	2004	123,451	19,197	139
Year 3	2005	124,135	18,253	131
Year 4	2006	124,768	17,735	127
Year 5	2007	125,378	18,068	129
5 Year Average Baseline GPCD				132
2015 Compliance Year GPCD				
2015	133,679	12,689	85	

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	135
5 Year Baseline GPCD	132
2015 Compliance Year GPCD	85

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

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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 checked="" type="checkbox"/>	100%	San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		Central Coast	123	117
<input type="checkbox"/>		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>				124

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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
132	125	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	135	129

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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				
85	129	-	-	-	-	85	85	YES