

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

Palos Verdes District

**2015 Urban Water Management Plan
Appendix I**



Palso Verdes 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	22,826	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	2005	
	Year ending baseline period range ⁴	2009	
<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>	

SB X7-7 Table 3: Service Area Population		
Year	Population	
10 to 15 Year Baseline Population		
Year 1	1999	68,038
Year 2	2000	68,113
Year 3	2001	68,351
Year 4	2002	68,405
Year 5	2003	68,773
Year 6	2004	69,006
Year 7	2005	69,269
Year 8	2006	69,422
Year 9	2007	69,523
Year 10	2008	69,317
<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	2005	69,269
Year 2	2006	69,422
Year 3	2007	69,523
Year 4	2008	69,317
Year 5	2009	69,054
2015 Compliance Year Population		
	2015	69,899

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	22,324			-		-	22,324
Year 2	2000	22,222			-		-	22,222
Year 3	2001	20,057			-		-	20,057
Year 4	2002	21,906			-		-	21,906
Year 5	2003	20,332			-		-	20,332
Year 6	2004	21,334			-		-	21,334
Year 7	2005	20,507			-		-	20,507
Year 8	2006	20,422			-		-	20,422
Year 9	2007	23,151			-		-	23,151
Year 10	2008	22,826			-		-	22,826
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								21,508
5 Year Baseline - Gross Water Use								
Year 1	2005	20,507			-		-	20,507
Year 2	2006	20,422			-		-	20,422
Year 3	2007	23,151			-		-	23,151
Year 4	2008	22,826			-		-	22,826
Year 5	2009	21,889			-		-	21,889
5 year baseline average gross water use								21,759
2015 Compliance Year - Gross Water Use								
2015		16,659	-		-		-	16,659
* 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		West Basin MWD		
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	22,324		22,324
Year 2	2000	22,222		22,222
Year 3	2001	20,057		20,057
Year 4	2002	21,906		21,906
Year 5	2003	20,332		20,332
Year 6	2004	21,334		21,334
Year 7	2005	20,507		20,507
Year 8	2006	20,422		20,422
Year 9	2007	23,151		23,151
Year 10	2008	22,826		22,826
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2005	20,507		20,507
Year 2	2006	20,422		20,422
Year 3	2007	23,151		23,151
Year 4	2008	22,826		22,826
Year 5	2009	21,889		21,889
2015 Compliance Year - Water into Distribution System				
	2015	16,659		16,659
<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	68,038	22,324	293
Year 2	2000	68,113	22,222	291
Year 3	2001	68,351	20,057	262
Year 4	2002	68,405	21,906	286
Year 5	2003	68,773	20,332	264
Year 6	2004	69,006	21,334	276
Year 7	2005	69,269	20,507	264
Year 8	2006	69,422	20,422	263
Year 9	2007	69,523	23,151	297
Year 10	2008	69,317	22,826	294
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				279
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	2005	69,269	20,507	264
Year 2	2006	69,422	20,422	263
Year 3	2007	69,523	23,151	297
Year 4	2008	69,317	22,826	294
Year 5	2009	69,054	21,889	283
5 Year Average Baseline GPCD				280
2015 Compliance Year GPCD				
2015		69,899	16,659	213

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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	279
5 Year Baseline GPCD	280
2015 Compliance Year GPCD	213

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

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SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
279	223

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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
280	266	223	223
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 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				
213	251	-	-	-	-	213	213	YES