

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

Dominguez District

**2015 Urban Water Management Plan
Appendix I**



Dominguez 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	40,514	Acre Feet
	2008 total volume of delivered recycled water	4,918	Acre Feet
	2008 recycled water as a percent of total deliveries	12.14%	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 about 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	138,195
Year 2	2000	139,558
Year 3	2001	139,731
Year 4	2002	139,709
Year 5	2003	139,584
Year 6	2004	140,175
Year 7	2005	140,545
Year 8	2006	140,614
Year 9	2007	140,485
Year 10	2008	140,679
<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	139,584
Year 2	2004	140,175
Year 3	2005	140,545
Year 4	2006	140,614
Year 5	2007	140,485
2015 Compliance Year Population		
	2015	142,231

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	36,283			4,755		-	31,528
Year 2	2000	36,210			4,103		-	32,107
Year 3	2001	35,654			3,107		-	32,548
Year 4	2002	36,872			2,606		-	34,265
Year 5	2003	37,699			1,689		-	36,010
Year 6	2004	38,740			1,333		-	37,407
Year 7	2005	36,499			976		-	35,523
Year 8	2006	37,498			1,711		-	35,787
Year 9	2007	38,100			4,991		-	33,110
Year 10	2008	35,596			5,541		-	30,055
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								33,834
5 Year Baseline - Gross Water Use								
Year 1	2003	37,699			1,689		-	36,010
Year 2	2004	38,740			1,333		-	37,407
Year 3	2005	36,499			976		-	35,523
Year 4	2006	37,498			1,711		-	35,787
Year 5	2007	38,100			4,991		-	33,110
5 year baseline average gross water use								35,567
2015 Compliance Year - Gross Water Use								
2015		31,291	-		3,288		-	28,003
* 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		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	1999	14,303		14,303
Year 2	2000	14,756		14,756
Year 3	2001	11,032		11,032
Year 4	2002	8,759		8,759
Year 5	2003	8,099		8,099
Year 6	2004	6,171		6,171
Year 7	2005	4,315		4,315
Year 8	2006	5,612		5,612
Year 9	2007	8,552		8,552
Year 10	2008	9,869		9,869
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	8,099		8,099
Year 2	2004	6,171		6,171
Year 3	2005	4,315		4,315
Year 4	2006	5,612		5,612
Year 5	2007	8,552		8,552
2015 Compliance Year - Water into Distribution System				
	2015	4,405		4,405
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES:				

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SB X7-7 Table 4-A: Volume Entering the Distribution				
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	1,999	21980.1165		21,980
Year 2	2,000	21453.6435		21,454
Year 3	2,001	24622.3756		24,622
Year 4	2,002	28112.5641		28,113
Year 5	2,003	29599.5238		29,600
Year 6	2,004	32569.6932		32,570
Year 7	2,005	32183.8568		32,184
Year 8	2,006	31885.3652		31,885
Year 9	2,007	29548.3285		29,548
Year 10	2,008	25726.2238		25,726
Year 11	-			0
Year 12	-			0
Year 13	-			0
Year 14	-			0
Year 15	-			0
5 Year Baseline - Water into Distribution System				
Year 1	2,003	29599.5238		29,600
Year 2	2,004	32569.6932		32,570
Year 3	2,005	32183.8568		32,184
Year 4	2,006	31885.3652		31,885
Year 5	2,007	29548.3285		29,548
2015 Compliance Year - Water into Distribution System				
2015		26,886		26,886
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

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SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction (For use only by agencies that are deducting indirect recycled water)										
Baseline Year Fm SB X7-7 Table 3	Surface Reservoir Augmentation					Groundwater Recharge			Total Deductible Volume of Indirect Recycled Water Entering the Distribution System	
	Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility*	Transmission/ Treatment Losses	Recycled Volume Entering Distribution System from Groundwater Recharge		
10-15 Year Baseline - Indirect Recycled Water Use										
Year 1	1999		-		-	4,755		4,755	4,755	
Year 2	2000		-		-	4,103		4,103	4,103	
Year 3	2001		-		-	3,107		3,107	3,107	
Year 4	2002		-		-	2,606		2,606	2,606	
Year 5	2003		-		-	1,689		1,689	1,689	
Year 6	2004		-		-	1,333		1,333	1,333	
Year 7	2005		-		-	976		976	976	
Year 8	2006		-		-	1,711		1,711	1,711	
Year 9	2007		-		-	4,991		4,991	4,991	
Year 10	2008		-		-	5,541		5,541	5,541	
Year 11	0		-		-			-	-	
Year 12	0		-		-			-	-	
Year 13	0		-		-			-	-	
Year 14	0		-		-			-	-	
Year 15	0		-		-			-	-	
5 Year Baseline - Indirect Recycled Water Use										
Year 1	2003		-		-	1,689		1,689	1,689	
Year 2	2004		-		-	1,333		1,333	1,333	
Year 3	2005		-		-	976		976	976	
Year 4	2006		-		-	1,711		1,711	1,711	
Year 5	2007		-		-	4,991		4,991	4,991	
2015 Compliance - Indirect Recycled Water Use										
	2015		-		-	3,288		3,288	3,288	
*Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.										
NOTES: All reported volumes are net of recovery and transmission/treatment losses.										

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	138,195	31,528	204
Year 2	2000	139,558	32,107	205
Year 3	2001	139,731	32,548	208
Year 4	2002	139,709	34,265	219
Year 5	2003	139,584	36,010	230
Year 6	2004	140,175	37,407	238
Year 7	2005	140,545	35,523	226
Year 8	2006	140,614	35,787	227
Year 9	2007	140,485	33,110	210
Year 10	2008	140,679	30,055	191
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				216
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	139,584	36,010	230
Year 2	2004	140,175	37,407	238
Year 3	2005	140,545	35,523	226
Year 4	2006	140,614	35,787	227
Year 5	2007	140,485	33,110	210
5 Year Average Baseline GPCD				226
2015 Compliance Year GPCD				
2015	142,231	28,003	176	

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

10-15 Year Baseline GPCD	216
5 Year Baseline GPCD	226
2015 Compliance Year GPCD	176

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
216	173

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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
226	215	173	173
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.			

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
173	216	194
NOTES: Interim target < confirmed 2020 target because 10 and 5-year baseline GPCD both below 100 gallons.		

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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				
176	194	-	-	-	-	176	176	YES