

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

Stockton District

**2015 Urban Water Management Plan
Appendix I**



Stockton 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	31,894	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	1996	
	Year ending baseline period range ³	2005	
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	1996	159,337
Year 2	1997	159,672
Year 3	1998	160,211
Year 4	1999	160,470
Year 5	2000	161,153
Year 6	2001	161,787
Year 7	2002	161,863
Year 8	2003	161,712
Year 9	2004	162,546
Year 10	2005	163,319
<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	161,712
Year 2	2004	162,546
Year 3	2005	163,319
Year 4	2006	164,410
Year 5	2007	164,632
2015 Compliance Year Population		
	2015	170,414

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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	1996	32,818			-		-	32,818
Year 2	1997	34,159			-		-	34,159
Year 3	1998	30,754			-		-	30,754
Year 4	1999	31,240			-		-	31,240
Year 5	2000	33,704			-		-	33,704
Year 6	2001	33,975			-		-	33,975
Year 7	2002	35,325			-		-	35,325
Year 8	2003	32,743			-		-	32,743
Year 9	2004	32,894			-		-	32,894
Year 10	2005	31,957			-		-	31,957
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								32,957
5 Year Baseline - Gross Water Use								
Year 1	2003	32,743			-		-	32,743
Year 2	2004	32,894			-		-	32,894
Year 3	2005	31,957			-		-	31,957
Year 4	2006	31,885			-		-	31,885
Year 5	2007	32,469			-		-	32,469
5 year baseline average gross water use								32,390
2015 Compliance Year - Gross Water Use								
2015		22,090	-		-		-	22,090
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								

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SB X7-7 Table 4-A: Volume Entering the Distribution System(s)				
Complete one table for each source.				
Name of Source		Stockton East WD		
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	1996	23,702		23,702
Year 2	1997	21,467		21,467
Year 3	1998	22,211		22,211
Year 4	1999	21,784		21,784
Year 5	2000	21,684		21,684
Year 6	2001	19,931		19,931
Year 7	2002	20,363		20,363
Year 8	2003	20,123		20,123
Year 9	2004	19,235		19,235
Year 10	2005	19,551		19,551
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	20,123		20,123
Year 2	2004	19,235		19,235
Year 3	2005	19,551		19,551
Year 4	2006	19,288		19,288
Year 5	2007	23,627		23,627
2015 Compliance Year - Water into Distribution System				
	2015	15,350		15,350
<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		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	1,996	9116.29495		9,116
Year 2	1,997	12691.513		12,692
Year 3	1,998	8542.53965		8,543
Year 4	1,999	9456.4837		9,456
Year 5	2,000	12019.6485		12,020
Year 6	2,001	14044.4331		14,044
Year 7	2,002	14962.0046		14,962
Year 8	2,003	12619.5906		12,620
Year 9	2,004	13658.5241		13,659
Year 10	2,005	12406.8771		12,407
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	12619.5906		12,620
Year 2	2,004	13658.5241		13,659
Year 3	2,005	12406.8771		12,407
Year 4	2,006	12596.4451		12,596
Year 5	2,007	8841.59309		8,842
2015 Compliance Year - Water into Distribution System				
2015	6,740			6,740
<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	1996	159,337	32,818	184
Year 2	1997	159,672	34,159	191
Year 3	1998	160,211	30,754	171
Year 4	1999	160,470	31,240	174
Year 5	2000	161,153	33,704	187
Year 6	2001	161,787	33,975	187
Year 7	2002	161,863	35,325	195
Year 8	2003	161,712	32,743	181
Year 9	2004	162,546	32,894	181
Year 10	2005	163,319	31,957	175
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				183
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	161,712	32,743	181
Year 2	2004	162,546	32,894	181
Year 3	2005	163,319	31,957	175
Year 4	2006	164,410	31,885	173
Year 5	2007	164,632	32,469	176
5 Year Average Baseline GPCD				177
2015 Compliance Year GPCD				
2015	170,414	22,090	116	

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

10-15 Year Baseline GPCD	183
5 Year Baseline GPCD	177
2015 Compliance Year GPCD	116

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 type="checkbox"/>		San Francisco Bay	131	124
<input checked="" type="checkbox"/>	100%	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>				165

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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
177	168	165	165
<p>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.</p>			

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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
165	183	174

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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				
116	174	-	-	-	-	116	116	YES