

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

Bakersfield District

**2015 Urban Water Management Plan
Appendix I**



SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	82,317	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	1995	
	Year ending baseline period range ³	2004	
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>	

SB X7-7 Table 3: Service Area Population		
Year	Population	
10 to 15 Year Baseline Population		
Year 1	1995	214,863
Year 2	1996	213,683
Year 3	1997	215,318
Year 4	1998	216,301
Year 5	1999	217,530
Year 6	2000	220,851
Year 7	2001	224,924
Year 8	2002	229,212
Year 9	2003	233,630
Year 10	2004	240,029
<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	233,630
Year 2	2004	240,029
Year 3	2005	246,177
Year 4	2006	251,898
Year 5	2007	256,127
2015 Compliance Year Population		
2015		278,488

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	1995	69,164			-		-	69,164
Year 2	1996	73,246			-		-	73,246
Year 3	1997	73,501			-		-	73,501
Year 4	1998	62,863			-		-	62,863
Year 5	1999	72,220			-		-	72,220
Year 6	2000	75,822			-		-	75,822
Year 7	2001	74,655			-		-	74,655
Year 8	2002	77,986			-		-	77,986
Year 9	2003	79,994			-		-	79,994
Year 10	2004	79,229			-		-	79,229
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								73,868
5 Year Baseline - Gross Water Use								
Year 1	2003	79,994			-		-	79,994
Year 2	2004	79,229			-		-	79,229
Year 3	2005	76,338			-		-	76,338
Year 4	2006	86,304			-		-	86,304
Year 5	2007	82,362			-		-	82,362
5 year baseline average gross water use								80,845
2015 Compliance Year - Gross Water Use								
2015		55,033	-		-		-	55,033
* 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	1995	53,524		53,524
Year 2	1996	60,044		60,044
Year 3	1997	59,507		59,507
Year 4	1998	50,194		50,194
Year 5	1999	59,704		59,704
Year 6	2000	61,961		61,961
Year 7	2001	61,566		61,566
Year 8	2002	65,645		65,645
Year 9	2003	58,278		58,278
Year 10	2004	51,586		51,586
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	58,278		58,278
Year 2	2004	51,586		51,586
Year 3	2005	49,856		49,856
Year 4	2006	52,499		52,499
Year 5	2007	53,889		53,889
2015 Compliance Year - Water into Distribution System				
	2015	33,388		33,388
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES:				

SB X7-7 Table 4-A: Volume Entering the Distribution				
Name of Source		KCWRA & City of Bakersfield		
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	1,995	15640.3535		15,640
Year 2	1,996	13201.8068		13,202
Year 3	1,997	13993.9745		13,994
Year 4	1,998	12669.5858		12,670
Year 5	1,999	12515.577		12,516
Year 6	2,000	13860.3891		13,860
Year 7	2,001	13088.7553		13,089
Year 8	2,002	12340.3131		12,340
Year 9	2,003	21715.7537		21,716
Year 10	2,004	27642.3192		27,642
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	21715.7537		21,716
Year 2	2,004	27642.3192		27,642
Year 3	2,005	26481.7996		26,482
Year 4	2,006	33804.4184		33,804
Year 5	2,007	28473.807		28,474
2015 Compliance Year - Water into Distribution System				
2015		21,645		21,645
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

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	1995	214,863	69,164	287
Year 2	1996	213,683	73,246	306
Year 3	1997	215,318	73,501	305
Year 4	1998	216,301	62,863	259
Year 5	1999	217,530	72,220	296
Year 6	2000	220,851	75,822	306
Year 7	2001	224,924	74,655	296
Year 8	2002	229,212	77,986	304
Year 9	2003	233,630	79,994	306
Year 10	2004	240,029	79,229	295
<i>Year 11</i>	0	-	-	
<i>Year 12</i>	0	-	-	
<i>Year 13</i>	0	-	-	
<i>Year 14</i>	0	-	-	
<i>Year 15</i>	0	-	-	
10-15 Year Average Baseline GPCD				296
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	233,630	79,994	306
Year 2	2004	240,029	79,229	295
Year 3	2005	246,177	76,338	277
Year 4	2006	251,898	86,304	306
Year 5	2007	256,127	82,362	287
5 Year Average Baseline GPCD				294
2015 Compliance Year GPCD				
2015	278,488	55,033	176	

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	296
5 Year Baseline GPCD	294
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
296	237

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
294	279	237	237
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
237	296	266

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	266	-	-	-	-	176	176	YES