Water Conservation Act of 2009
SB X7-7
Verification Forms

Oroville 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	4,100	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	2004	
	Year ending baseline period range[4]	2008	

[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.*

[3] The ending year must be between December 31, 2004 and December 31, 2010.

[4] The ending year must be between December 31, 2007 and December 31, 2010.

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
☐	**1. Department of Finance** (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
☐	**2. Persons-per-Connection Method**
☐	**3. DWR Population Tool**
☑	**4. Other** DWR recommends pre-review
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 two percent. Cal Water is electing to use the population estimates produced by its methodology because the Population Tool may not be an accurate method for rural and sparsely populated areas, according to DWR documentation.	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	9,761
Year 2	2000	9,663
Year 3	2001	9,728
Year 4	2002	9,829
Year 5	2003	9,904
Year 6	2004	10,009
Year 7	2005	10,088
Year 8	2006	10,159
Year 9	2007	10,249
Year 10	2008	10,220
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2004	10,009
Year 2	2005	10,088
Year 3	2006	10,159
Year 4	2007	10,249
Year 5	2008	10,220
2015 Compliance Year Population		
2015		10,517

SB X7-7 Table 4: Annual Gross Water Use *								
Baseline Year *Fm SB X7-7 Table 3*		**Volume Into Distribution System** *This column will remain blank until SB X7-7 Table 4-A is completed.*	**Deductions**					**Annual Gross Water Use**
			Exported Water	**Change in Dist. System Storage** (+/-)	**Indirect Recycled Water** *This column will remain blank until SB X7-7 Table 4-B is completed.*	**Water Delivered for Agricultural Use**	**Process Water** *This column will remain blank until SB X7-7 Table 4-D is completed.*	
10 to 15 Year Baseline - Gross Water Use								
Year 1	1999	3,223			-		-	3,223
Year 2	2000	4,022			-		-	4,022
Year 3	2001	3,871			-		-	3,871
Year 4	2002	3,545			-		-	3,545
Year 5	2003	3,192			-		-	3,192
Year 6	2004	3,515			-		-	3,515
Year 7	2005	3,355			-		-	3,355
Year 8	2006	4,083			-		-	4,083
Year 9	2007	3,559			-		-	3,559
Year 10	2008	4,100			-		-	4,100
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								**3,646**
5 Year Baseline - Gross Water Use								
Year 1	2004	3,515			-		-	3,515
Year 2	2005	3,355			-		-	3,355
Year 3	2006	4,083			-		-	4,083
Year 4	2007	3,559			-		-	3,559
Year 5	2008	4,100			-		-	4,100
5 year baseline average gross water use								**3,722**
2015 Compliance Year - Gross Water Use								
2015		2,322	-		-		-	**2,322**

* 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:	
☑	The supplier's own water source
☐	A purchased or imported source

Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment* *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1999	148		148
Year 2	2000	230		230
Year 3	2001	137		137
Year 4	2002	520		520
Year 5	2003	199		199
Year 6	2004	226		226
Year 7	2005	478		478
Year 8	2006	949		949
Year 9	2007	583		583
Year 10	2008	1,066		1,066
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2004	226		226
Year 2	2005	478		478
Year 3	2006	949		949
Year 4	2007	583		583
Year 5	2008	1,066		1,066
2015 Compliance Year - Water into Distribution System				
2015		100		100

** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES:

SB X7-7 Table 4-A: Volume Entering the Distribution				
Name of Source	SWP & PG&E			
This water source is:				
☐	The supplier's own water source			
☑	A purchased or imported source			
Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment* *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1,999	3074.934837		3,075
Year 2	2,000	3791.822837		3,792
Year 3	2,001	3734.462345		3,734
Year 4	2,002	3024.602087		3,025
Year 5	2,003	2992.974179		2,993
Year 6	2,004	3288.839051		3,289
Year 7	2,005	2876.546896		2,877
Year 8	2,006	3134.590854		3,135
Year 9	2,007	2975.567475		2,976
Year 10	2,008	3034.18314		3,034
Year 11	-			0
Year 12	-			0
Year 13	-			0
Year 14	-			0
Year 15	-			0
5 Year Baseline - Water into Distribution System				
Year 1	2,004	3288.839051		3,289
Year 2	2,005	2876.546896		2,877
Year 3	2,006	3134.590854		3,135
Year 4	2,007	2975.567475		2,976
Year 5	2,008	3034.18314		3,034
2015 Compliance Year - Water into Distribution System				
2015		2,222		2,222
** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*				

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Annual Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1999	9,761	3,223	295
Year 2	2000	9,663	4,022	372
Year 3	2001	9,728	3,871	355
Year 4	2002	9,829	3,545	322
Year 5	2003	9,904	3,192	288
Year 6	2004	10,009	3,515	313
Year 7	2005	10,088	3,355	297
Year 8	2006	10,159	4,083	359
Year 9	2007	10,249	3,559	310
Year 10	2008	10,220	4,100	358
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				**327**
5 Year Baseline GPCD				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use
Year 1	2004	10,009	3,515	313
Year 2	2005	10,088	3,355	297
Year 3	2006	10,159	4,083	359
Year 4	2007	10,249	3,559	310
Year 5	2008	10,220	4,100	358
5 Year Average Baseline GPCD				**327**
2015 Compliance Year GPCD				
2015		10,517	2,322	**197**

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	327
5 Year Baseline GPCD	327
2015 Compliance Year GPCD	197

SB X7-7 Table 7: 2020 Target Method *Select Only One*		
Target Method		Supporting Documentation
☑	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D *Contact DWR for these tables*
☐	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	**2020 Target GPCD**
327	**261**

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**
327	311	261	**261**

[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 *Fm SB X7-7 Table 7-F*	10-15 year Baseline GPCD *Fm SB X7-7 Table 5*	**2015 Interim Target GPCD**
261	327	**294**

SB X7-7 Table 9: 2015 Compliance								
		Optional Adjustments *(in GPCD)*						
		Enter "0" if Adjustment Not Used						
Actual 2015 GPCD	2015 Interim Target GPCD	Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD *(Adjusted if applicable)*	**Did Supplier Achieve Targeted Reduction for 2015?**
197	294	-	-	-	-	197	197	**YES**