Water Conservation Act of 2009
SB X7-7
Verification Forms

Visalia 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	34,848	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	2003	
	Year ending baseline period range[4]	2007	

[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 were within 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.	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	95,989
Year 2	2000	98,325
Year 3	2001	103,510
Year 4	2002	106,382
Year 5	2003	108,946
Year 6	2004	112,207
Year 7	2005	115,674
Year 8	2006	120,590
Year 9	2007	124,972
Year 10	2008	126,088
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	108,946
Year 2	2004	112,207
Year 3	2005	115,674
Year 4	2006	120,590
Year 5	2007	124,972
2015 Compliance Year Population		
2015		138,404

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	26,509			-		-	26,509
Year 2	2000	26,921			-		-	26,921
Year 3	2001	28,915			-		-	28,915
Year 4	2002	30,065			-		-	30,065
Year 5	2003	30,810			-		-	30,810
Year 6	2004	32,700			-		-	32,700
Year 7	2005	31,576			-		-	31,576
Year 8	2006	31,352			-		-	31,352
Year 9	2007	34,101			-		-	34,101
Year 10	2008	34,848			-		-	34,848
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								**30,780**
5 Year Baseline - Gross Water Use								
Year 1	2003	30,810			-		-	30,810
Year 2	2004	32,700			-		-	32,700
Year 3	2005	31,576			-		-	31,576
Year 4	2006	31,352			-		-	31,352
Year 5	2007	34,101			-		-	34,101
5 year baseline average gross water use								**32,108**
2015 Compliance Year - Gross Water Use								
2015		24,847	-		-		-	**24,847**

* 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	26,509		26,509
Year 2	2000	26,921		26,921
Year 3	2001	28,915		28,915
Year 4	2002	30,065		30,065
Year 5	2003	30,810		30,810
Year 6	2004	32,700		32,700
Year 7	2005	31,576		31,576
Year 8	2006	31,352		31,352
Year 9	2007	34,101		34,101
Year 10	2008	34,848		34,848
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	30,810		30,810
Year 2	2004	32,700		32,700
Year 3	2005	31,576		31,576
Year 4	2006	31,352		31,352
Year 5	2007	34,101		34,101
2015 Compliance Year - Water into Distribution System				
2015		24,847		24,847

** 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	95,989	26,509	247
Year 2	2000	98,325	26,921	244
Year 3	2001	103,510	28,915	249
Year 4	2002	106,382	30,065	252
Year 5	2003	108,946	30,810	252
Year 6	2004	112,207	32,700	260
Year 7	2005	115,674	31,576	244
Year 8	2006	120,590	31,352	232
Year 9	2007	124,972	34,101	244
Year 10	2008	126,088	34,848	247
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				**247**
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	2003	108,946	30,810	252
Year 2	2004	112,207	32,700	260
Year 3	2005	115,674	31,576	244
Year 4	2006	120,590	31,352	232
Year 5	2007	124,972	34,101	244
5 Year Average Baseline GPCD				**246**
2015 Compliance Year GPCD				
2015		138,404	24,847	**160**

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	247
5 Year Baseline GPCD	246
2015 Compliance Year GPCD	160

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**
247	**198**

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**
246	234	198	**198**

[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**
198	247	**222**

SB X7-7 Table 9: 2015 Compliance

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments *(in GPCD)* Enter "0" if Adjustment Not Used			TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD *(Adjusted if applicable)*	**Did Supplier Achieve Targeted Reduction for 2015?**
		Extraordinary Events	Weather Normalization	Economic Adjustment				
160	222	-	-	-	-	160	160	**YES**