Water Conservation Act of 2009
SB X7-7
Verification Forms

Livermore 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	12,260	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 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.	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	50,349
Year 2	2000	50,622
Year 3	2001	51,214
Year 4	2002	52,060
Year 5	2003	52,307
Year 6	2004	53,693
Year 7	2005	54,475
Year 8	2006	54,883
Year 9	2007	55,110
Year 10	2008	54,971
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	52,307
Year 2	2004	53,693
Year 3	2005	54,475
Year 4	2006	54,883
Year 5	2007	55,110
2015 Compliance Year Population		
2015		58,095

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	10,791			-		-	10,791
Year 2	2000	11,207			-		-	11,207
Year 3	2001	10,861			-		-	10,861
Year 4	2002	11,474			-		-	11,474
Year 5	2003	11,967			-		-	11,967
Year 6	2004	12,556			-		-	12,556
Year 7	2005	11,416			-		-	11,416
Year 8	2006	12,055			-		-	12,055
Year 9	2007	12,417			-		-	12,417
Year 10	2008	12,260			-		-	12,260
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								**11,700**
5 Year Baseline - Gross Water Use								
Year 1	2003	11,967			-		-	11,967
Year 2	2004	12,556			-		-	12,556
Year 3	2005	11,416			-		-	11,416
Year 4	2006	12,055			-		-	12,055
Year 5	2007	12,417			-		-	12,417
5 year baseline average gross water use								**12,082**
2015 Compliance Year - Gross Water Use								
2015		7,255	-		-		-	**7,255**

* 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	3,356		3,356
Year 2	2000	3,403		3,403
Year 3	2001	3,570		3,570
Year 4	2002	3,483		3,483
Year 5	2003	3,408		3,408
Year 6	2004	3,082		3,082
Year 7	2005	3,072		3,072
Year 8	2006	3,067		3,067
Year 9	2007	3,067		3,067
Year 10	2008	3,074		3,074
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	3,408		3,408
Year 2	2004	3,082		3,082
Year 3	2005	3,072		3,072
Year 4	2006	3,067		3,067
Year 5	2007	3,067		3,067
2015 Compliance Year - Water into Distribution System				
2015		2,510		2,510

** 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	Zone 7			
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	7435.57821		7,436
Year 2	2,000	7803.52193		7,804
Year 3	2,001	7290.56735		7,291
Year 4	2,002	7990.86497		7,991
Year 5	2,003	8558.08661		8,558
Year 6	2,004	9473.64182		9,474
Year 7	2,005	8343.24332		8,343
Year 8	2,006	8988.12919		8,988
Year 9	2,007	9349.74795		9,350
Year 10	2,008	9186.12431		9,186
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	8558.08661		8,558
Year 2	2,004	9473.64182		9,474
Year 3	2,005	8343.24332		8,343
Year 4	2,006	8988.12919		8,988
Year 5	2,007	9349.74795		9,350
2015 Compliance Year - Water into Distribution System				
2015		4,745		4,745
** 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	50,349	10,791	191
Year 2	2000	50,622	11,207	198
Year 3	2001	51,214	10,861	189
Year 4	2002	52,060	11,474	197
Year 5	2003	52,307	11,967	204
Year 6	2004	53,693	12,556	209
Year 7	2005	54,475	11,416	187
Year 8	2006	54,883	12,055	196
Year 9	2007	55,110	12,417	201
Year 10	2008	54,971	12,260	199
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				**197**
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	52,307	11,967	204
Year 2	2004	53,693	12,556	209
Year 3	2005	54,475	11,416	187
Year 4	2006	54,883	12,055	196
Year 5	2007	55,110	12,417	201
5 Year Average Baseline GPCD				**199**
2015 Compliance Year GPCD				
2015		58,095	7,255	**111**

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	197
5 Year Baseline GPCD	199
2015 Compliance Year GPCD	111

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**
197	**158**

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**
199	189	158	**158**

[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**
158	197	**177**

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments *(in GPCD)* Enter "0" if Adjustment Not Used: Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD *(Adjusted if applicable)*	**Did Supplier Achieve Targeted Reduction for 2015?**
111	177	-	-	-	-	111	111	**YES**