

Appendix D – SB X7-7 Verification Tables

SB X7-7 Table 0: Units of Measure Used in UWMP* <i>(select one from the drop down list)</i>
Acre Feet
<i>*The unit of measure must be consistent with Table 2-3</i>
NOTES:

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15- year baseline period	2008 total water deliveries	8,807	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	2001	
	Year ending baseline period range ³	2010	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2006	
	Year ending baseline period range ⁴	2010	
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.			
NOTES:			

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
NOTES: The City's Method was pre-reviewed by DWR.	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	2001	58,517
Year 2	2002	58,445
Year 3	2003	59,502
Year 4	2004	61,572
Year 5	2005	69,982
Year 6	2006	70,412
Year 7	2007	70,275
Year 8	2008	68,306
Year 9	2009	69,136
Year 10	2010	64,657
<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	2006	70,412
Year 2	2007	70,275
Year 3	2008	68,306
Year 4	2009	69,136
Year 5	2010	64,657
2015 Compliance Year Population		
2015		65,966
NOTES: 2010 Populations and 2015 Population calculated by the City's GIS Center. 2001-2009 calculated using a linear trend. Calculations and methodology can be found in Appendix C.		

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	2001	7,615			-	-	270	7,345
Year 2	2002	7,683			-	-	282	7,401
Year 3	2003	7,635			-	-	319	7,316
Year 4	2004	7,804			-	-	337	7,466
Year 5	2005	7,573			-	-	305	7,268
Year 6	2006	7,914			-	243	311	7,361
Year 7	2007	8,631			-	710	323	7,598
Year 8	2008	8,805			-	846	285	7,674
Year 9	2009	7,761			-	454	208	7,098
Year 10	2010	7,460			-	505	198	6,756
Year 11	0							
Year 12	0							
Year 13	0							
Year 14	0							
Year 15	0							
10 - 15 year baseline average gross water use								7,328
5 Year Baseline - Gross Water Use								
Year 1	2006	7,914			-	243	311	7,361
Year 2	2007	8,631			-	710	323	7,598
Year 3	2008	8,805			-	846	285	7,674
Year 4	2009	7,761			-	454	208	7,098
Year 5	2010	7,460			-	505	198	6,756
5 year baseline average gross water use								7,298
2015 Compliance Year - Gross Water Use								
2015		6,870	-		-	862	9	5,998
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								
NOTES:								

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source		City of Watsonville Water Produced		
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	2001	7,615		7,615
Year 2	2002	7,683		7,683
Year 3	2003	7,635		7,635
Year 4	2004	7,804		7,804
Year 5	2005	7,573		7,573
Year 6	2006	7,914		7,914
Year 7	2007	8,631		8,631
Year 8	2008	8,805		8,805
Year 9	2009	7,761		7,761
Year 10	2010	7,460		7,460
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2006	7,914		7,914
Year 2	2007	8,631		8,631
Year 3	2008	8,805		8,805
Year 4	2009	7,761		7,761
Year 5	2010	7,460		7,460
2015 Compliance Year - Water into Distribution System				
2015		6,870		6,870
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES:				

SB X7-7 Table 4-C: Process Water Deduction Eligibility

(For use only by agencies that are deducting process water) Choose Only One

<input type="checkbox"/>	Criteria 1 - Industrial water use is equal to or greater than 12% of gross water use. Complete SB X7-7 Table 4-C.1
<input type="checkbox"/>	Criteria 2 - Industrial water use is equal to or greater than 15 GPCD. Complete SB X7-7 Table 4-C.2
<input type="checkbox"/>	Criteria 3 - Non-industrial use is equal to or less than 120 GPCD. Complete SB X7-7 Table 4-C.3
<input checked="" type="checkbox"/>	Criteria 4 - Disadvantaged Community. Complete SB x7-7 Table 4-C.4

NOTES:

SB X7-7 Table 4-C.4: Process Water Deduction Eligibility

Criteria 4

Disadvantaged Community. A "Disadvantaged Community" (DAC) is a community with a median household income less than 80 percent of the statewide average.

SELECT ONE

"Disadvantaged Community" status was determined using one of the methods listed below:

<input type="checkbox"/>	1. IRWM DAC Mapping tool http://www.water.ca.gov/irwm/grants/resources_dac.cfm			
	If using the IRWM DAC Mapping Tool, include a screen shot from the tool showing that the service area is considered a DAC.			
<input checked="" type="checkbox"/>	2. 2010 Median Income			
	California Median Household Income	Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N
	2015 Compliance Year - Process Water Deduction Eligibility			
	2010	\$60,883	\$46,675	77% YES
	NOTES:			

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		<i>Martinelli's (East & West)</i>				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	195	195	100%	186	186
Year 2	2002	202	202	100%	192	192
Year 3	2003	227	227	100%	216	216
Year 4	2004	210	210	100%	200	200
Year 5	2005	218	218	100%	207	207
Year 6	2006	215	215	100%	204	204
Year 7	2007	230	230	100%	218	218
Year 8	2008	196	196	100%	186	186
Year 9	2009	159	159	100%	151	151
Year 10	2010	166	166	100%	158	158
<i>Year 11</i>						
<i>Year 12</i>						
<i>Year 13</i>						
<i>Year 14</i>						
<i>Year 15</i>						
5 Year Baseline - Process Water Deduction						
Year 1	2006	215	215	100%	204	204
Year 2	2007	230	230	100%	218	218
Year 3	2008	196	196	100%	186	186
Year 4	2009	159	159	100%	151	151
Year 5	2010	166	166	100%	158	158
2015 Compliance Year - Process Water Deduction						
2015	199		0%	189	-	

NOTES: Estimating 95% of Total Water Use is for Process Water.

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		<i>La Rosa</i>				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	13	13	100%	12	12
Year 2	2002	14	14	100%	13	13
Year 3	2003	13	13	100%	13	13
Year 4	2004	11	11	100%	11	11
Year 5	2005	11	11	100%	11	11
Year 6	2006	11	11	100%	10	10
Year 7	2007	9	9	100%	9	9
Year 8	2008	11	11	100%	11	11
Year 9	2009	13	13	100%	12	12
Year 10	2010	7	7	100%	6	6
<i>Year 11</i>						
<i>Year 12</i>						
<i>Year 13</i>						
<i>Year 14</i>						
<i>Year 15</i>						
5 Year Baseline - Process Water Deduction						
Year 1	2006	11	11	100%	10	10
Year 2	2007	9	9	100%	9	9
Year 3	2008	11	11	100%	11	11
Year 4	2009	13	13	100%	12	12
Year 5	2010	7	7	100%	6	6
2015 Compliance Year - Process Water Deduction						
2015		10	10	100%	9	9

NOTES: Estimating 95% of Total Water Use is for Process Water.

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		<i>Watsonville Co-Gen</i>				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	0	0	100%	0	
Year 2	2002	0	0	100%	0	
Year 3	2003	0	0	100%	0	
Year 4	2004	0	0	100%	0	
Year 5	2005	0	0	100%	0	
Year 6	2006	24	24	100%	23	
Year 7	2007	20	20	100%	19	
Year 8	2008	22	22	100%	21	
Year 9	2009	0	0	100%	0	
Year 10	2010	0	0	100%	0	
<i>Year 11</i>						
<i>Year 12</i>						
<i>Year 13</i>						
<i>Year 14</i>						
<i>Year 15</i>						
5 Year Baseline - Process Water Deduction						
Year 1	2006	24	24	100%	23	
Year 2	2007	20	20	100%	19	
Year 3	2008	22	22	100%	21	
Year 4	2009	0	0	100%	0	
Year 5	2010	0	0	100%	0	
2015 Compliance Year - Process Water Deduction						
2015					-	

NOTES: Estimating 95% of Total Water Use is for Process Water. Not in business in 2015.

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		<i>Aliotti</i>				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	2	2	100%	2.1	
Year 2	2002	2	2	100%	1.9	
Year 3	2003	2	2	100%	1.6	
Year 4	2004	42	42	100%	39.8	
Year 5	2005	1	1	100%	0.8	
Year 6	2006	0	0	100%	0.1	
Year 7	2007				-	
Year 8	2008				-	
Year 9	2009				-	
Year 10	2010				-	
<i>Year 11</i>						
<i>Year 12</i>						
<i>Year 13</i>						
<i>Year 14</i>						
<i>Year 15</i>						
5 Year Baseline - Process Water Deduction						
Year 1	2006	0	0	100%	0.1	
Year 2	2007				-	
Year 3	2008				-	
Year 4	2009				-	
Year 5	2010				-	
2015 Compliance Year - Process Water Deduction						
2015					-	

NOTES: Estimating 95% of Total Water Use is for Process Water. Out of business in 2006.

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		Farmers				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	65	65	100%	62	62
Year 2	2002	72	72	100%	68	68
Year 3	2003	73	73	100%	69	69
Year 4	2004	76	76	100%	73	73
Year 5	2005	80	80	100%	76	76
Year 6	2006	55	55	100%	52	52
Year 7	2007	67	67	100%	64	64
Year 8	2008	63	63	100%	60	60
Year 9	2009	39	39	100%	37	37
Year 10	2010	36	36	100%	34	34
Year 11						
Year 12						
Year 13						
Year 14						
Year 15						
5 Year Baseline - Process Water Deduction						
Year 1	2006	55	55	100%	52	52
Year 2	2007	67	67	100%	64	64
Year 3	2008	63	63	100%	60	60
Year 4	2009	39	39	100%	37	37
Year 5	2010	36	36	100%	34	34
2015 Compliance Year - Process Water Deduction						
2015						-

NOTES: Estimating 95% of Total Water Use is for Process Water. Not in business in 2015.

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		New West Cooling				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	3	3	100%	3	3
Year 2	2002	4	4	100%	3	3
Year 3	2003	6	6	100%	5	5
Year 4	2004	5	5	100%	4	4
Year 5	2005	4	4	100%	4	4
Year 6	2006	4	4	100%	4	4
Year 7	2007					-
Year 8	2008					-
Year 9	2009					-
Year 10	2010					-
<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					-
5 Year Baseline - Process Water Deduction						
Year 1	2006	4	4	100%	4	- 4
Year 2	2007					-
Year 3	2008					-
Year 4	2009					-
Year 5	2010					-
2015 Compliance Year - Process Water Deduction						
2015						-

NOTES: Estimating 95% of Total Water Use is for Process Water. Out of business in 2006.

SB X7-7 Table 4-D: Process Water Deduction - Volume
industrial customer with a process water exclusion

Complete a separate table for each

Name of Industrial Customer		Cascade Properties				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Customer's Total Water Use	Total Volume Supplied by Water Agency	% of Water Supplied by Water Agency	Customer's Total Process Water Use	Volume of Process Water Eligible for Exclusion for this Customer	
10 to 15 Year Baseline - Process Water Deduction						
Year 1	2001	5	5	100%	5	
Year 2	2002	3	3	100%	3	
Year 3	2003	15	15	100%	15	
Year 4	2004	11	11	100%	10	
Year 5	2005	7	7	100%	7	
Year 6	2006	18	18	100%	17	
Year 7	2007	14	14	100%	13	
Year 8	2008	8	8	100%	7	
Year 9	2009	9	9	100%	8	
Year 10	2010				-	
Year 11						
Year 12						
Year 13						
Year 14						
Year 15						
5 Year Baseline - Process Water Deduction						
Year 1	2006	18	18	100%	17	
Year 2	2007	14	14	100%	13	
Year 3	2008	8	8	100%	7	
Year 4	2009	9	9	100%	8	
Year 5	2010				-	
2015 Compliance Year - Process Water Deduction						
2015					-	

NOTES: Estimating 95% of Total Water Use is for Process Water. Out of business in 2009.

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	2001	58,517	7,345	112
Year 2	2002	58,445	7,401	113
Year 3	2003	59,502	7,316	110
Year 4	2004	61,572	7,466	108
Year 5	2005	69,982	7,268	93
Year 6	2006	70,412	7,361	93
Year 7	2007	70,275	7,598	97
Year 8	2008	68,306	7,674	100
Year 9	2009	69,136	7,098	92
Year 10	2010	64,657	6,756	93
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				101
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	2006	70,412	7,361	93
Year 2	2007	70,275	7,598	97
Year 3	2008	68,306	7,674	100
Year 4	2009	69,136	7,098	92
Year 5	2010	64,657	6,756	93
5 Year Average Baseline GPCD				95
2015 Compliance Year GPCD				
2015		65,966	5,998	81
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day Summary From Table SB X7-7 Table 5				
10-15 Year Baseline GPCD				101
5 Year Baseline GPCD				95
2015 Compliance Year GPCD				81
NOTES:				

SB X7-7 Table 7: 2020 Target Method

Select Only One

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

NOTES:

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 type="checkbox"/>		San Joaquin River	174	165
<input checked="" type="checkbox"/>	100%	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

(If more than one region is selected, this value is calculated.)

117

NOTES:

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD <i>From SB X7-7 Table 5</i>	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
95	N/A	117	117
¹ Maximum 2020 Target is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 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.			
NOTES:			

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
117	101	109
NOTES:		

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				
81	109	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	-	81	81	YES
NOTES:								