

**BELLA VISTA WATER DISTRICT
URBAN WATER MANAGEMENT PLAN**

APPENDIX F – SBX 7-7 TABLES

Bella Vista Water District

APPENDIX F- SBX7-7

2015

SB X7-7 Table 0: Units of Measure Used in UWMP*

(select one from the drop down list)

Acre Feet

**The unit of measure must be consistent with Table 2-3*

NOTES:

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	14,483	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	1996	
	Year ending baseline period range ³	2005	
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.

NOTES:

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population (may check more than one)	
<input checked="" 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 type="checkbox"/>	4. Other DWR recommends pre-review
NOTES: For years between census years a linear interpolation using census data was implemented.	

SB X7-7 Table 3: Service Area Population

Year	Population	
10 to 15 Year Baseline Population		
Year 1	1996	14,595
Year 2	1997	14,811
Year 3	1998	15,027
Year 4	1999	15,243
Year 5	2000	15,459
Year 6	2001	15,675
Year 7	2002	15,891
Year 8	2003	16,107
Year 9	2004	16,323
Year 10	2005	16,539
<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	16,107
Year 2	2004	16,323
Year 3	2005	16,539
Year 4	2006	16,755
Year 5	2007	16,971
2015 Compliance Year Population		
2015		18,426
NOTES:		

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	1996	14,817			-		-	14,817
Year 2	1997	16,317			-		-	16,317
Year 3	1998	13,795			-		-	13,795
Year 4	1999	16,371			-		-	16,371
Year 5	2000	14,827			-		-	14,827
Year 6	2001	17,472			-		-	17,472
Year 7	2002	19,384			-		-	19,384
Year 8	2003	18,126			-		-	18,126
Year 9	2004	18,817			-		-	18,817
Year 10	2005	15,413			-		-	15,413
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use							16,534	
5 Year Baseline - Gross Water Use								
Year 1	2003	14,827			-		-	14,827
Year 2	2004	17,472			-		-	17,472
Year 3	2005	19,384			-		-	19,384
Year 4	2006	18,126			-		-	18,126
Year 5	2007	18,817			-		-	18,817
5 year baseline average gross water use							17,725	
2015 Compliance Year - Gross Water Use								
2015		6,913	-		-		-	6,913
* 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		CVP Water - Sacramento River		
This water source is: USBR Contract Water				
<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	1996	14,305.00		14,305
Year 2	1997	14,623.00		14,623
Year 3	1998	12,169.00		12,169
Year 4	1999	15,326.00		15,326
Year 5	2000	13,769.00		13,769
Year 6	2001	16,211.00		16,211
Year 7	2002	18,064.00		18,064
Year 8	2003	12,070.00		12,070
Year 9	2004	12,665.00		12,665
Year 10	2005	8,896.00		8,896
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	12,070.00		12,070
Year 2	2004	12,665.00		12,665
Year 3	2005	8,896.00		8,896
Year 4	2006	10,237		10,237
Year 5	2007	10,462		10,462
2015 Compliance Year - Water into Distribution System				
2015		2,478		2,478
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES: Meter error adjustments are included in calculations				

SB X7-7 Table 4-A: Volume Entering the Distribution

Name of Source		Wells 1,2,3,4,6		
This water source is: Groundwater				
<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	1996	497.00		497
Year 2	1997	1,193.00		1,193
Year 3	1998	1,125.00		1,125
Year 4	1999	467.00		467
Year 5	2000	480.00		480
Year 6	2001	802.00		802
Year 7	2002	741.00		741
Year 8	2003	619.70		620
Year 9	2004	752.00		752
Year 10	2005	1,600.00		1,600
Year 11	0			0
Year 12	0			0
Year 13	0			0
Year 14	0			0
Year 15	0			0
5 Year Baseline - Water into Distribution System				
Year 1	2003	619.70		620
Year 2	2004	752.00		752
Year 3	2005	1,600.00		1,600
Year 4	2006	1,296.00		1,296
Year 5	2007	177.00		177
2015 Compliance Year - Water into Distribution System				
2015		1,535		1,535
<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		Interties and Transfers		
This water source is: Surface Water purchased or imported				
<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	1,996	15		15
Year 2	1,997	501.45		501
Year 3	1,998	500.53		501
Year 4	1,999	578		578
Year 5	2,000	578		578
Year 6	2,001	459.4		459
Year 7	2,002	578.78		579
Year 8	2,003	5436		5,436
Year 9	2,004	5399.78		5,400
Year 10	2,005	4916.9		4,917
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	5436		5,436
Year 2	2,004	5399.78		5,400
Year 3	2,005	4916.9		4,917
Year 4	2,006	5339		5,339
Year 5	2,007	5007		5,007
2015 Compliance Year - Water into Distribution System				
2015		2,900		2,900
<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 Source 4

This water source is:

The supplier's own water source

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
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10 to 15 Year Baseline - Water into Distribution System

Year 1	1,996		0
Year 2	1,997		0
Year 3	1,998		0
Year 4	1,999		0
Year 5	2,000		0
Year 6	2,001		0
Year 7	2,002		0
Year 8	2,003		0
Year 9	2,004		0
Year 10	2,005		0
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		0
Year 2	2,004		0
Year 3	2,005		0
Year 4	2,006		0
Year 5	2,007		0

2015 Compliance Year - Water into Distribution System

2015			0
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** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES:



SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction (For use only by agencies that are deducting indirect recycled water)

Baseline Year <i>Fm SB X7-7 Table 3</i>	Surface Reservoir Augmentation					Groundwater Recharge			Total Deductible Volume of Indirect Recycled Water Entering the Distribution System
	Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility*	Transmission/ Treatment Losses	Recycled Volume Entering Distribution System from Groundwater Recharge	
10-15 Year Baseline - Indirect Recycled Water Use									
Year 1	1996			-	-			-	-
Year 2	1997			-	-			-	-
Year 3	1998			-	-			-	-
Year 4	1999			-	-			-	-
Year 5	2000			-	-			-	-
Year 6	2001			-	-			-	-
Year 7	2002			-	-			-	-
Year 8	2003			-	-			-	-
Year 9	2004			-	-			-	-
Year 10	2005			-	-			-	-
Year 11	0			-	-			-	-
Year 12	0			-	-			-	-
Year 13	0			-	-			-	-
Year 14	0			-	-			-	-
Year 15	0			-	-			-	-
5 Year Baseline - Indirect Recycled Water Use									
Year 1	2003			-	-			-	-
Year 2	2004			-	-			-	-
Year 3	2005			-	-			-	-
Year 4	2006			-	-			-	-
Year 5	2007			-	-			-	-
2015 Compliance - Indirect Recycled Water Use									
2015			-	-	-			-	-
*Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.									
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 type="checkbox"/>	Criteria 4 - Disadvantaged Community. Complete SB x7-7 Table 4-C.4

NOTES:

SB X7-7 Table 4-C.1: Process Water Deduction Eligibility

Criteria 1

Industrial water use is equal to or greater than 12% of gross water use

Baseline Year <i>Fm SB X7-7 Table 3</i>	Gross Water Use Without Process Water Deduction	Industrial Water Use	Percent Industrial Water	Eligible for Exclusion Y/N	
10 to 15 Year Baseline - Process Water Deduction Eligibility					
Year 1	1996	14,817		0%	NO
Year 2	1997	16,317		0%	NO
Year 3	1998	13,795		0%	NO
Year 4	1999	16,371		0%	NO
Year 5	2000	14,827		0%	NO
Year 6	2001	17,472		0%	NO
Year 7	2002	19,384		0%	NO
Year 8	2003	18,126		0%	NO
Year 9	2004	18,817		0%	NO
Year 10	2005	15,413		0%	NO
Year 11	0	-			NO
Year 12	0	-			NO
Year 13	0	-			NO
Year 14	0	-			NO
Year 15	0	-			NO
5 Year Baseline - Process Water Deduction Eligibility					
Year 1	2003	14,827		0%	NO
Year 2	2004	17,472		0%	NO
Year 3	2005	19,384		0%	NO
Year 4	2006	18,126		0%	NO
Year 5	2007	18,817		0%	NO
2015 Compliance Year - Process Water Deduction Eligibility					
2015		6,913		0%	NO

NOTES:

SB X7-7 Table 4-C.2: Process Water Deduction Eligibility

Criteria 2

Industrial water use is equal to or greater than 15 GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Water Use	Population	Industrial GPCD	Eligible for Exclusion Y/N
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10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	1996		14,595	-	NO
Year 2	1997		14,811	-	NO
Year 3	1998		15,027	-	NO
Year 4	1999		15,243	-	NO
Year 5	2000		15,459	-	NO
Year 6	2001		15,675	-	NO
Year 7	2002		15,891	-	NO
Year 8	2003		16,107	-	NO
Year 9	2004		16,323	-	NO
Year 10	2005		16,539	-	NO
<i>Year 11</i>	0		-		NO
<i>Year 12</i>	0		-		NO
<i>Year 13</i>	0		-		NO
<i>Year 14</i>	0		-		NO
<i>Year 15</i>	0		-		NO

5 Year Baseline - Process Water Deduction Eligibility

Year 1	2003		16,107	-	NO
Year 2	2004		16,323	-	NO
Year 3	2005		16,539	-	NO
Year 4	2006		16,755	-	NO
Year 5	2007		16,971	-	NO

2015 Compliance Year - Process Water Deduction Eligibility

2015			18,426	-	NO
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NOTES:

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SB X7-7 Table 4-C.3: Process Water Deduction Eligibility

Criteria 3

Non-industrial use is equal to or less than 120 GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>	Gross Water Use Without Process Water Deduction <i>Fm SB X7-7 Table 4</i>	Industrial Water Use	Non-industrial Water Use	Population <i>Fm SB X7-7 Table 3</i>	Non-Industrial GPCD	Eligible for Exclusion Y/N
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10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	1996	14,817		14,817	14,595	906	NO
Year 2	1997	16,317		16,317	14,811	984	NO
Year 3	1998	13,795		13,795	15,027	820	NO
Year 4	1999	16,371		16,371	15,243	959	NO
Year 5	2000	14,827		14,827	15,459	856	NO
Year 6	2001	17,472		17,472	15,675	995	NO
Year 7	2002	19,384		19,384	15,891	1,089	NO
Year 8	2003	18,126		18,126	16,107	1,005	NO
Year 9	2004	18,817		18,817	16,323	1,029	NO
Year 10	2005	15,413		15,413	16,539	832	NO
<i>Year 11</i>	0	-		-	-		NO
<i>Year 12</i>	0	-		-	-		NO
<i>Year 13</i>	0	-		-	-		NO
<i>Year 14</i>	0	-		-	-		NO
<i>Year 15</i>	0	-		-	-		NO

5 Year Baseline - Process Water Deduction Eligibility

Year 1	2003	14,827		14,827	16,107	822	NO
Year 2	2004	17,472		17,472	16,323	956	NO
Year 3	2005	19,384		19,384	16,539	1,046	NO
Year 4	2006	18,126		18,126	16,755	966	NO
Year 5	2007	18,817		18,817	16,971	990	NO

2015 Compliance Year - Process Water Deduction Eligibility

2015		6,913		6,913	18,426	335	NO
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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:

- 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.

- 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		0%	YES

NOTES:

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 1				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 2				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	

NOTES:

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 3				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 4				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 5				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 6				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 7				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 8				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 9				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 10				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

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	1996	14,595	14,817	906
Year 2	1997	14,811	16,317	984
Year 3	1998	15,027	13,795	820
Year 4	1999	15,243	16,371	959
Year 5	2000	15,459	14,827	856
Year 6	2001	15,675	17,472	995
Year 7	2002	15,891	19,384	1,089
Year 8	2003	16,107	18,126	1,005
Year 9	2004	16,323	18,817	1,029
Year 10	2005	16,539	15,413	832
<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			947	
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	16,107	14,827	822
Year 2	2004	16,323	17,472	956
Year 3	2005	16,539	19,384	1,046
Year 4	2006	16,755	18,126	966
Year 5	2007	16,971	18,817	990
5 Year Average Baseline GPCD			956	
2015 Compliance Year GPCD				
2015	18,426	6,913	335	
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day
Summary From Table SB X7-7 Table 5

10-15 Year Baseline GPCD	947
5 Year Baseline GPCD	956
2015 Compliance Year GPCD	335

NOTES:

SB X7-7 Table 7: 2020 Target Method*Select Only One*

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

NOTES:

SB X7-7 Table 7-A: Target Method 1

20% Reduction

10-15 Year Baseline GPCD	2020 Target GPCD
947	758
NOTES:	

SB X7-7 Table 7-B: Target Method 2

Target

Landscape Water Use

Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact Gwen Huff at (916) 651-9672 or gwen.huff@water.ca.gov

SB X7-7 Table 7-C: Target Method 2

Target CII Water Use

Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact Gwen Huff at (916) 651-9672 or gwen.huff@water.ca.gov

SB X7-7 Table 7-D: Target Method 2 Summary

Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact Gwen Huff at (916) 651-9672 or gwen.huff@water.ca.gov

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 checked="" type="checkbox"/>	100%	Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		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 <i>(If more than one region is selected, this value is calculated.)</i>				167
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
956	908	758	758

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
758	947	853

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				
335	853	-	-	-	-	335	335	YES

NOTES:

Bella Vista Water District

APPENDIX F- SBX7-7

2020

SB X7-7 Table 0: Units of Measure Used in 2020 UWMP*
(select one from the drop down list)

Acre Feet

**The unit of measure must be consistent throughout the UWMP, as reported in Submittal Table 2-3.*

NOTES:

SB X7-7 Table 2: Method for 2020 Population Estimate

Method Used to Determine 2020 Population (may check more than one)	
<input type="checkbox"/>	1. Department of Finance (DOF) or American Community Survey (ACS)
<input checked="" type="checkbox"/>	2. Persons-per-Connection Method
<input type="checkbox"/>	3. DWR Population Tool
<input type="checkbox"/>	4. Other DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: 2020 Service Area Population	
2020 Compliance Year Population	
2020	18,378

SB X7-7 Table 4: 2020 Gross Water Use

Compliance Year 2020	2020 Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	2020 Deductions					2020 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>	
	11,268			-		-	11,268

* Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.

NOTES: Agricultural water use is included in the totals.

SB X7-7 Table 4-A: 2020 Volume Entering the Distribution System(s), Meter Error Adjustment

Complete one table for each source.

Name of Source		Sacramento River	
This water source is (check one) :			
<input type="checkbox"/>	The supplier's own water source		
<input checked="" type="checkbox"/>	A purchased or imported source		
Compliance Year 2020	Volume Entering Distribution System ¹	Meter Error Adjustment ² Optional (+/-)	Corrected Volume Entering Distribution System
	11,046	-	11,046

¹ **Units of measure (AF, MG , or CCF)** must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3. ² **Meter Error Adjustment** - See guidance in Methodology 1, Step 3 of Methodologies Document

NOTES: The District has a Water Service Contract with the United States Bureau of Reclamation for up to 24,578 AFY and a long-term transfer agreement with the Anderson Cottonwood Irrigation District for 1,536 AFY or 1,152 AFY (depending on the water-year type).

SB X7-7 Table 4-A: 2020 Volume Entering the Distribution System(s) Meter Error Adjustment

Complete one table for each source.

Name of Source		Groundwater Wells	
This water source is (check one) :			
<input checked="" type="checkbox"/>	The supplier's own water source		
<input type="checkbox"/>	A purchased or imported source		
Compliance Year 2020	Volume Entering Distribution System ¹	Meter Error Adjustment ² Optional (+/-)	Corrected Volume Entering Distribution System
	222		222

¹ **Units of measure (AF, MG , or CCF)** must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3. ² **Meter Error Adjustment** - See guidance in Methodology 1, Step 3 of Methodologies Document

NOTES: The District currently has five groundwater wells.

SB X7-7 Table 5: 2020 Gallons Per Capita Per Day (GPCD)

2020 Gross Water <i>Fm SB X7-7 Table 4</i>	2020 Population <i>Fm</i> <i>SB X7-7 Table 3</i>	2020 GPCD
11,268	18,378	546

NOTES:

SB X7-7 Table 9: 2020 Compliance

Actual 2020 GPCD ¹	Optional Adjustments to 2020 GPCD					2020 Confirmed Target GPCD ^{1, 2}	Did Supplier Achieve Targeted Reduction for 2020?
	Enter "0" if Adjustment Not Used			TOTAL Adjustments ¹	Adjusted 2020 GPCD ¹ <i>(Adjusted if applicable)</i>		
	Extraordinary Events ¹	Weather Normalization ¹	Economic Adjustment ¹				
546	-	-	-	-	546	758	YES

¹ All values are reported in GPCD

² **2020 Confirmed Target GPCD** is taken from the Supplier's SB X7-7 Verification Form Table SB X7-7, 7-F.

NOTES:

Bella Vista Water District

APPENDIX F- SBX7-7

2015

SB X7-7 Table 0: Units of Measure Used in UWMP*

(select one from the drop down list)

Acre Feet

**The unit of measure must be consistent with Table 2-3*

NOTES:

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	14,483	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	1996	
	Year ending baseline period range ³	2005	
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.

NOTES:

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population (may check more than one)	
<input checked="" 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 type="checkbox"/>	4. Other DWR recommends pre-review
NOTES: For years between census years a linear interpolation using census data was implemented.	

SB X7-7 Table 3: Service Area Population

Year	Population	
10 to 15 Year Baseline Population		
Year 1	1996	14,595
Year 2	1997	14,811
Year 3	1998	15,027
Year 4	1999	15,243
Year 5	2000	15,459
Year 6	2001	15,675
Year 7	2002	15,891
Year 8	2003	16,107
Year 9	2004	16,323
Year 10	2005	16,539
<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	16,107
Year 2	2004	16,323
Year 3	2005	16,539
Year 4	2006	16,755
Year 5	2007	16,971
2015 Compliance Year Population		
2015		18,426
NOTES:		

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	1996	14,817			-		-	14,817
Year 2	1997	16,317			-		-	16,317
Year 3	1998	13,795			-		-	13,795
Year 4	1999	16,371			-		-	16,371
Year 5	2000	14,827			-		-	14,827
Year 6	2001	17,472			-		-	17,472
Year 7	2002	19,384			-		-	19,384
Year 8	2003	18,126			-		-	18,126
Year 9	2004	18,817			-		-	18,817
Year 10	2005	15,413			-		-	15,413
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use							16,534	
5 Year Baseline - Gross Water Use								
Year 1	2003	14,827			-		-	14,827
Year 2	2004	17,472			-		-	17,472
Year 3	2005	19,384			-		-	19,384
Year 4	2006	18,126			-		-	18,126
Year 5	2007	18,817			-		-	18,817
5 year baseline average gross water use							17,725	
2015 Compliance Year - Gross Water Use								
2015		6,913	-		-		-	6,913
* 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		CVP Water - Sacramento River		
This water source is: USBR Contract Water				
<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	1996	14,305.00		14,305
Year 2	1997	14,623.00		14,623
Year 3	1998	12,169.00		12,169
Year 4	1999	15,326.00		15,326
Year 5	2000	13,769.00		13,769
Year 6	2001	16,211.00		16,211
Year 7	2002	18,064.00		18,064
Year 8	2003	12,070.00		12,070
Year 9	2004	12,665.00		12,665
Year 10	2005	8,896.00		8,896
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	12,070.00		12,070
Year 2	2004	12,665.00		12,665
Year 3	2005	8,896.00		8,896
Year 4	2006	10,237		10,237
Year 5	2007	10,462		10,462
2015 Compliance Year - Water into Distribution System				
2015		2,478		2,478
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES: Meter error adjustments are included in calculations				

SB X7-7 Table 4-A: Volume Entering the Distribution

Name of Source		Wells 1,2,3,4,6		
This water source is: Groundwater				
<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	1996	497.00		497
Year 2	1997	1,193.00		1,193
Year 3	1998	1,125.00		1,125
Year 4	1999	467.00		467
Year 5	2000	480.00		480
Year 6	2001	802.00		802
Year 7	2002	741.00		741
Year 8	2003	619.70		620
Year 9	2004	752.00		752
Year 10	2005	1,600.00		1,600
Year 11	0			0
Year 12	0			0
Year 13	0			0
Year 14	0			0
Year 15	0			0
5 Year Baseline - Water into Distribution System				
Year 1	2003	619.70		620
Year 2	2004	752.00		752
Year 3	2005	1,600.00		1,600
Year 4	2006	1,296.00		1,296
Year 5	2007	177.00		177
2015 Compliance Year - Water into Distribution System				
2015		1,535		1,535
<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		Interties and Transfers		
This water source is: Surface Water purchased or imported				
<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	1,996	15		15
Year 2	1,997	501.45		501
Year 3	1,998	500.53		501
Year 4	1,999	578		578
Year 5	2,000	578		578
Year 6	2,001	459.4		459
Year 7	2,002	578.78		579
Year 8	2,003	5436		5,436
Year 9	2,004	5399.78		5,400
Year 10	2,005	4916.9		4,917
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	5436		5,436
Year 2	2,004	5399.78		5,400
Year 3	2,005	4916.9		4,917
Year 4	2,006	5339		5,339
Year 5	2,007	5007		5,007
2015 Compliance Year - Water into Distribution System				
2015		2,900		2,900
<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 Source 4

This water source is:

The supplier's own water source

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	1,996		0
Year 2	1,997		0
Year 3	1,998		0
Year 4	1,999		0
Year 5	2,000		0
Year 6	2,001		0
Year 7	2,002		0
Year 8	2,003		0
Year 9	2,004		0
Year 10	2,005		0
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		0
Year 2	2,004		0
Year 3	2,005		0
Year 4	2,006		0
Year 5	2,007		0

2015 Compliance Year - Water into Distribution System

2015			0
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** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES:



SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction (For use only by agencies that are deducting indirect recycled water)

Baseline Year <i>Fm SB X7-7 Table 3</i>	Surface Reservoir Augmentation					Groundwater Recharge			Total Deductible Volume of Indirect Recycled Water Entering the Distribution System
	Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility*	Transmission/ Treatment Losses	Recycled Volume Entering Distribution System from Groundwater Recharge	
10-15 Year Baseline - Indirect Recycled Water Use									
Year 1	1996			-	-			-	-
Year 2	1997			-	-			-	-
Year 3	1998			-	-			-	-
Year 4	1999			-	-			-	-
Year 5	2000			-	-			-	-
Year 6	2001			-	-			-	-
Year 7	2002			-	-			-	-
Year 8	2003			-	-			-	-
Year 9	2004			-	-			-	-
Year 10	2005			-	-			-	-
Year 11	0			-	-			-	-
Year 12	0			-	-			-	-
Year 13	0			-	-			-	-
Year 14	0			-	-			-	-
Year 15	0			-	-			-	-
5 Year Baseline - Indirect Recycled Water Use									
Year 1	2003			-	-			-	-
Year 2	2004			-	-			-	-
Year 3	2005			-	-			-	-
Year 4	2006			-	-			-	-
Year 5	2007			-	-			-	-
2015 Compliance - Indirect Recycled Water Use									
2015			-	-	-			-	-
*Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.									
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 type="checkbox"/>	Criteria 4 - Disadvantaged Community. Complete SB x7-7 Table 4-C.4

NOTES:

SB X7-7 Table 4-C.1: Process Water Deduction Eligibility

Criteria 1

Industrial water use is equal to or greater than 12% of gross water use

Baseline Year <i>Fm SB X7-7 Table 3</i>	Gross Water Use Without Process Water Deduction	Industrial Water Use	Percent Industrial Water	Eligible for Exclusion Y/N	
10 to 15 Year Baseline - Process Water Deduction Eligibility					
Year 1	1996	14,817		0%	NO
Year 2	1997	16,317		0%	NO
Year 3	1998	13,795		0%	NO
Year 4	1999	16,371		0%	NO
Year 5	2000	14,827		0%	NO
Year 6	2001	17,472		0%	NO
Year 7	2002	19,384		0%	NO
Year 8	2003	18,126		0%	NO
Year 9	2004	18,817		0%	NO
Year 10	2005	15,413		0%	NO
Year 11	0	-			NO
Year 12	0	-			NO
Year 13	0	-			NO
Year 14	0	-			NO
Year 15	0	-			NO
5 Year Baseline - Process Water Deduction Eligibility					
Year 1	2003	14,827		0%	NO
Year 2	2004	17,472		0%	NO
Year 3	2005	19,384		0%	NO
Year 4	2006	18,126		0%	NO
Year 5	2007	18,817		0%	NO
2015 Compliance Year - Process Water Deduction Eligibility					
2015		6,913		0%	NO

NOTES:

SB X7-7 Table 4-C.2: Process Water Deduction Eligibility

Criteria 2

Industrial water use is equal to or greater than 15 GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>	Industrial Water Use	Population	Industrial GPCD	Eligible for Exclusion Y/N
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10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	1996		14,595	-	NO
Year 2	1997		14,811	-	NO
Year 3	1998		15,027	-	NO
Year 4	1999		15,243	-	NO
Year 5	2000		15,459	-	NO
Year 6	2001		15,675	-	NO
Year 7	2002		15,891	-	NO
Year 8	2003		16,107	-	NO
Year 9	2004		16,323	-	NO
Year 10	2005		16,539	-	NO
<i>Year 11</i>	0		-		NO
<i>Year 12</i>	0		-		NO
<i>Year 13</i>	0		-		NO
<i>Year 14</i>	0		-		NO
<i>Year 15</i>	0		-		NO

5 Year Baseline - Process Water Deduction Eligibility

Year 1	2003		16,107	-	NO
Year 2	2004		16,323	-	NO
Year 3	2005		16,539	-	NO
Year 4	2006		16,755	-	NO
Year 5	2007		16,971	-	NO

2015 Compliance Year - Process Water Deduction Eligibility

2015			18,426	-	NO
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NOTES:

SB X7-7 Table 4-C.3: Process Water Deduction Eligibility

Criteria 3

Non-industrial use is equal to or less than 120 GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>	Gross Water Use Without Process Water Deduction <i>Fm SB X7-7 Table 4</i>	Industrial Water Use	Non-industrial Water Use	Population <i>Fm SB X7-7 Table 3</i>	Non-Industrial GPCD	Eligible for Exclusion Y/N
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10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	1996	14,817		14,817	14,595	906	NO
Year 2	1997	16,317		16,317	14,811	984	NO
Year 3	1998	13,795		13,795	15,027	820	NO
Year 4	1999	16,371		16,371	15,243	959	NO
Year 5	2000	14,827		14,827	15,459	856	NO
Year 6	2001	17,472		17,472	15,675	995	NO
Year 7	2002	19,384		19,384	15,891	1,089	NO
Year 8	2003	18,126		18,126	16,107	1,005	NO
Year 9	2004	18,817		18,817	16,323	1,029	NO
Year 10	2005	15,413		15,413	16,539	832	NO
<i>Year 11</i>	0	-		-	-		NO
<i>Year 12</i>	0	-		-	-		NO
<i>Year 13</i>	0	-		-	-		NO
<i>Year 14</i>	0	-		-	-		NO
<i>Year 15</i>	0	-		-	-		NO

5 Year Baseline - Process Water Deduction Eligibility

Year 1	2003	14,827		14,827	16,107	822	NO
Year 2	2004	17,472		17,472	16,323	956	NO
Year 3	2005	19,384		19,384	16,539	1,046	NO
Year 4	2006	18,126		18,126	16,755	966	NO
Year 5	2007	18,817		18,817	16,971	990	NO

2015 Compliance Year - Process Water Deduction Eligibility

2015		6,913		6,913	18,426	335	NO
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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:

- 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.

- 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		0%	YES

NOTES:

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 1				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 2			
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	1996				-
Year 2	1997				-
Year 3	1998				-
Year 4	1999				-
Year 5	2000				-
Year 6	2001				-
Year 7	2002				-
Year 8	2003				-
Year 9	2004				-
Year 10	2005				-
<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	2003				-
Year 2	2004				-
Year 3	2005				-
Year 4	2006				-
Year 5	2007				-
2015 Compliance Year - Process Water Deduction					
2015					-

NOTES:

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 3				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 4				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 5				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 6				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 7				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 8				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 9				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume

Complete a

separate table for each industrial customer with a process water exclusion

Name of Industrial Customer		Industrial Customer 10				
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	1996				-	
Year 2	1997				-	
Year 3	1998				-	
Year 4	1999				-	
Year 5	2000				-	
Year 6	2001				-	
Year 7	2002				-	
Year 8	2003				-	
Year 9	2004				-	
Year 10	2005				-	
<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	2003				-	
Year 2	2004				-	
Year 3	2005				-	
Year 4	2006				-	
Year 5	2007				-	
2015 Compliance Year - Process Water Deduction						
2015					-	
NOTES:						

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	1996	14,595	14,817	906
Year 2	1997	14,811	16,317	984
Year 3	1998	15,027	13,795	820
Year 4	1999	15,243	16,371	959
Year 5	2000	15,459	14,827	856
Year 6	2001	15,675	17,472	995
Year 7	2002	15,891	19,384	1,089
Year 8	2003	16,107	18,126	1,005
Year 9	2004	16,323	18,817	1,029
Year 10	2005	16,539	15,413	832
<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			947	
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	16,107	14,827	822
Year 2	2004	16,323	17,472	956
Year 3	2005	16,539	19,384	1,046
Year 4	2006	16,755	18,126	966
Year 5	2007	16,971	18,817	990
5 Year Average Baseline GPCD			956	
2015 Compliance Year GPCD				
2015	18,426	6,913	335	
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day
Summary From Table SB X7-7 Table 5

10-15 Year Baseline GPCD	947
5 Year Baseline GPCD	956
2015 Compliance Year GPCD	335

NOTES:

SB X7-7 Table 7: 2020 Target Method*Select Only One*

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

NOTES:

SB X7-7 Table 7-A: Target Method 1

20% Reduction

10-15 Year Baseline GPCD	2020 Target GPCD
947	758
NOTES:	

SB X7-7 Table 7-B: Target Method 2
Landscape Water Use

Target

Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact Gwen Huff at (916) 651-9672 or gwen.huff@water.ca.gov

SB X7-7 Table 7-C: Target Method 2

Target CII Water Use

Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact Gwen Huff at (916) 651-9672 or gwen.huff@water.ca.gov

SB X7-7 Table 7-D: Target Method 2 Summary

Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact Gwen Huff at (916) 651-9672 or gwen.huff@water.ca.gov

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 checked="" type="checkbox"/>	100%	Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		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 <i>(If more than one region is selected, this value is calculated.)</i>				167
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
956	908	758	758

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
758	947	853

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				
335	853	-	-	-	-	335	335	YES

NOTES:

**BELLA VISTA WATER DISTRICT
URBAN WATER MANAGEMENT PLAN**

APPENDIX G – AWWA WATER LOSS WORKSHEETS



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association

Click to access definition
 Click to add a comment

Water Audit Report for: **Bella Vista Water District (4510014)**
Reporting Year: **2016** 1/2016 - 12/2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

Volume from own sources:	<input type="button" value="+"/> <input type="button" value="?"/> 6	7,927.000	acre-ft/yr
Water imported:	<input type="button" value="+"/> <input type="button" value="?"/> n/a	0.000	acre-ft/yr
Water exported:	<input type="button" value="+"/> <input type="button" value="?"/> n/a	0.000	acre-ft/yr

Master Meter and Supply Error Adjustments

<input type="button" value="+"/> <input type="button" value="?"/> 3	<input type="radio"/>	<input type="radio"/>	acre-ft/yr
<input type="button" value="+"/> <input type="button" value="?"/>	<input type="radio"/>	<input type="radio"/>	acre-ft/yr
<input type="button" value="+"/> <input type="button" value="?"/>	<input type="radio"/>	<input type="radio"/>	acre-ft/yr

WATER SUPPLIED: **7,927.000** acre-ft/yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Billed metered:	<input type="button" value="+"/> <input type="button" value="?"/> 5	8,155.000	acre-ft/yr
Billed unmetered:	<input type="button" value="+"/> <input type="button" value="?"/> n/a	0.000	acre-ft/yr
Unbilled metered:	<input type="button" value="+"/> <input type="button" value="?"/> 9	1.000	acre-ft/yr
Unbilled unmetered:	<input type="button" value="+"/> <input type="button" value="?"/> 5	19.818	acre-ft/yr

AUTHORIZED CONSUMPTION: **8,175.818** acre-ft/yr

Check input values; WATER SUPPLIED should be greater than AUTHORIZED CONSUMPTION

WATER LOSSES (Water Supplied - Authorized Consumption)

-248.818 acre-ft/yr

Apparent Losses

Unauthorized consumption: **19.818** acre-ft/yr
Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	<input type="button" value="+"/> <input type="button" value="?"/> 3	82.384	acre-ft/yr
Systematic data handling errors:	<input type="button" value="+"/> <input type="button" value="?"/>	20.388	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: **122.589** acre-ft/yr

Check input values; APPARENT LOSSES should be less than WATER LOSSES

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **-371.406** acre-ft/yr

WATER LOSSES: **-248.818** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **-228.000** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	<input type="button" value="+"/> <input type="button" value="?"/> 9	242.0	miles
Number of <u>active</u> AND <u>inactive</u> service connections:	<input type="button" value="+"/> <input type="button" value="?"/> 10	6,303	
Service connection density:	<input type="button" value="?"/>	26	conn./mile main

Are customer meters typically located at the curbside or property line?

Average length of customer service line: (length of service line, beyond the property boundary, that is the responsibility of the utility)
Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 6 72.0 psi

COST DATA

Total annual cost of operating water system:	<input type="button" value="+"/> <input type="button" value="?"/> 10	\$5,009,361	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="button" value="+"/> <input type="button" value="?"/> 9	\$0.38	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="button" value="+"/> <input type="button" value="?"/> 5	\$172.39	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

Retail costs are less than (or equal to) production costs; please review and correct if necessary

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 64 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Customer metering inaccuracies

3: Billed metered



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association

Water Audit Report for: **Bella Vista Water District (4510014)**
Reporting Year: **2018** **1/2018 - 12/2018**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->			
Volume from own sources:	<input type="button" value="+"/> <input type="button" value="5"/>	10,117.000	acre-ft/yr
Water imported:	<input type="button" value="+"/> <input type="button" value="n/a"/>	0.000	acre-ft/yr
Water exported:	<input type="button" value="+"/> <input type="button" value="n/a"/>	0.000	acre-ft/yr

Master Meter and Supply Error Adjustments

Pcnt:	Value:	
<input type="button" value="4"/>	<input type="radio"/>	acre-ft/yr
<input type="button" value=""/>	<input type="radio"/>	acre-ft/yr
<input type="button" value=""/>	<input type="radio"/>	acre-ft/yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: 10,117.000 acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="button" value="+"/> <input type="button" value="6"/>	9,523.000	acre-ft/yr
Billed unmetered:	<input type="button" value="+"/> <input type="button" value="10"/>	0.000	acre-ft/yr
Unbilled metered:	<input type="button" value="+"/> <input type="button" value="10"/>	11.000	acre-ft/yr
Unbilled unmetered:	<input type="button" value="+"/> <input type="button" value="7"/>	76.000	acre-ft/yr

AUTHORIZED CONSUMPTION: 9,610.000 acre-ft/yr

Click here: for help using option buttons below

Pcnt: Value: acre-ft/yr

Use buttons to select percentage of water supplied OR value

Pcnt: Value: acre-ft/yr

Value: acre-ft/yr

Value: acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

507.000 acre-ft/yr

Apparent Losses

Unauthorized consumption: **25.293** acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies: **194.571** acre-ft/yr

Systematic data handling errors: **23.808** acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 243.671 acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **263.329** acre-ft/yr

WATER LOSSES: 507.000 acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: 594.000 acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	<input type="button" value="+"/> <input type="button" value="9"/>	242.0	miles
Number of <u>active AND inactive</u> service connections:	<input type="button" value="+"/> <input type="button" value="10"/>	6,360	
Service connection density:	<input type="button" value="26"/>	26	conn./mile main

Are customer meters typically located at the curbside or property line?

Average length of customer service line: (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: psi

COST DATA

Total annual cost of operating water system:	<input type="button" value="+"/> <input type="button" value="10"/>	\$4,740,123	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="button" value="+"/> <input type="button" value="9"/>	\$0.46	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="button" value="+"/> <input type="button" value="6"/>	\$177.92	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 66 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Billed metered

3: Customer metering inaccuracies



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association.

Click to access definition
 Click to add a comment

Water Audit Report for: Bella Vista Water District (4510014)
Reporting Year: 2019 / 1/2019 - 12/2019

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

<----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+	?	5	9,802.000	acre-ft/yr
Water imported:	+	?	n/a	0.000	acre-ft/yr
Water exported:	+	?	n/a	0.000	acre-ft/yr

Master Meter and Supply Error Adjustments

	+	?	4	Pcnt:		Value:	
	+	?			<input checked="" type="radio"/>	<input type="radio"/>	acre-ft/yr
	+	?			<input checked="" type="radio"/>	<input type="radio"/>	acre-ft/yr
	+	?			<input checked="" type="radio"/>	<input type="radio"/>	acre-ft/yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: 9,802.000 acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	+	?	6	9,237.000	acre-ft/yr
Billed unmetered:	+	?	10	0.000	acre-ft/yr
Unbilled metered:	+	?	10	5.000	acre-ft/yr
Unbilled unmetered:	+	?	7	76.000	acre-ft/yr

AUTHORIZED CONSUMPTION: 9,318.000 acre-ft/yr

Click here: for help using option buttons below

Pcnt: Value: 76.000 acre-ft/yr

Use buttons to select percentage of water supplied OR value

Pcnt: 0.25% Value: 2.00% acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

484.000 acre-ft/yr

Apparent Losses

Unauthorized consumption: 24.505 acre-ft/yr
 Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	?	6	188.612	acre-ft/yr
Systematic data handling errors:	+	?		23.093	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 236.210 acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 247.790 acre-ft/yr

WATER LOSSES: 484.000 acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: 565.000 acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+	?	9	242.0	miles
Number of <u>active AND inactive</u> service connections:	+	?	10	6,398	
Service connection density:	?			26	conn./mile main

Are customer meters typically located at the curbside or property line? Yes (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 72.0 psi

COST DATA

Total annual cost of operating water system:	+	?	10	\$4,976,212	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+	?	9	\$0.46	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+	?	6	\$174.89	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 66 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Billed metered
- 3: Customer metering inaccuracies



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association

Water Audit Report for: **Bella Vista Water District (4510014)**
Reporting Year: **2020** 1/2020 - 12/2020

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	<input type="button" value="+"/> <input type="button" value="5"/>	11,268.000	acre-ft/yr	<input type="button" value="+"/> <input type="button" value="4"/>
Water imported:	<input type="button" value="+"/> <input type="button" value="n/a"/>	0.000	acre-ft/yr	<input type="button" value="+"/> <input type="button" value="4"/>
Water exported:	<input type="button" value="+"/> <input type="button" value="n/a"/>	0.000	acre-ft/yr	<input type="button" value="+"/> <input type="button" value="4"/>

Master Meter and Supply Error Adjustments

Pcnt:	<input type="radio"/>	Value:	<input type="text"/>	acre-ft/yr
	<input type="radio"/>		<input type="text"/>	acre-ft/yr
	<input type="radio"/>		<input type="text"/>	acre-ft/yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: **11,268.000** acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="button" value="+"/> <input type="button" value="6"/>	10,258.160	acre-ft/yr
Billed unmetered:	<input type="button" value="+"/> <input type="button" value="10"/>	0.000	acre-ft/yr
Unbilled metered:	<input type="button" value="+"/> <input type="button" value="10"/>	4.500	acre-ft/yr
Unbilled unmetered:	<input type="button" value="+"/> <input type="button" value="5"/>	140.850	acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: **10,403.510** acre-ft/yr

Click here: for help using option buttons below

Pcnt: Value:

Use buttons to select percentage of water supplied OR value

Pcnt: Value:

WATER LOSSES (Water Supplied - Authorized Consumption)

864.490 acre-ft/yr

Apparent Losses

Unauthorized consumption: **28.170** acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies: **209.442** acre-ft/yr
Systematic data handling errors: **25.645** acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: **263.257** acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: **601.233** acre-ft/yr

WATER LOSSES: **864.490** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: **1,009.840** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	<input type="button" value="+"/> <input type="button" value="9"/>	242.0	miles
Number of <u>active AND inactive</u> service connections:	<input type="button" value="+"/> <input type="button" value="10"/>	6,398	
Service connection density:	<input type="button" value="26"/>	26	conn./mile main

Are customer meters typically located at the curbside or property line? (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: psi

COST DATA

Total annual cost of operating water system:	<input type="button" value="+"/> <input type="button" value="10"/>	\$4,976,212	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="button" value="+"/> <input type="button" value="9"/>	\$0.46	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="button" value="+"/> <input type="button" value="6"/>	\$174.89	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 65 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources**
- 2: Billed metered**
- 3: Customer metering inaccuracies**