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:

Baseline	Parameter	Value	Units
	2008 total water deliveries	14,483	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
10- to 15-year	2008 recycled water as a percent of total deliveries	0.00%	Percent
baseline period	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	1996	///////////////////////////////////////
	Year ending baseline period range ³	2005	
5	Number of years in baseline period	5	Years
5-year	Year beginning baseline period range	2003	///////////////////////////////////////
baseline period	Year ending baseline period range ⁴	2007	
lelivered in 2008 is 10 pe	ter percent is less than 10 percent, then the first baseline period is a continuous 10 prcent or greater, the first baseline period is a continuous 10- to 15-year period. Is between 10 and 15 years. However, DWR recognizes that some water suppliers	² Tł	ne Water Code requires
The ending year must b	e between December 31, 2004 and December 31, 2010.		
The ending year must b	e between December 31, 2007 and December 31, 2010.		
NOTES:			

SB X7-7 T	SB X7-7 Table 2: Method for Population Estimates						
	Method Used to Determine Population (may check more than one)						
V	 Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available 						
	2. Persons-per-Connection Method						
	3. DWR Population Tool						
	4. Other DWR recommends pre-review						
NOTES: For years between census years a linear interpolation using census data was implemented.							

SB X7-7 Table 3: Service Area Population				
Y	'ear	Population		
10 to 15 Ye	ear Baseline P	opulation		
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		
Year 11				
Year 12				
Year 13				
Year 14				
Year 15				
5 Year Base	eline Populati	on		
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 Comp	oliance Year P	opulation		
2	015	18,426		
NOTES:				

					Deduction	ıs		
	l ine Year 7-7 Table 3	Volume Into Distribution System This column will remain blank until SB X7-7 Table 4-A is completed.	Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water This column will remain blank until SB X7-7 Table 4-B is completed.	Water Delivered for Agricultural Use	Process Water This column will remain blank until SB X7-7 Table 4-D is completed.	Annual Gross Water Use
10 to 15 Y	ear Baseline -	Gross Water Us	se					
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 yea	r baseline ave	erage gross wat	ter use					16,534
5 Year Bas	eline - Gross V	Vater 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 bas	eline average	gross water us	e					17,725
2015 Com	oliance Year - O	Gross Water Us	e					
2	2015	6,913	-		-		-	6,913

NOTES:

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

Complete one table for each source.

·							
Name of S		CVP Water - Sa					
This water		USBR Contrac					
		er's own water					
	A purchase	ed or imported	source				
Fm SB X7-		Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System			
10 to 15 Ye	ear Baseline	e - Water into I	Distribution Sys	tem			
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 Base	eline - Wate	er into Distribu	tion 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 Com	oliance Yea	r - Water into I	Distribution Sys	tem			
20	15	2,478		2,478			
* Mete	er Error Adjust	ment - See guidar Methodologies D	oce in Methodology Document	1, Step 3 of			
NOTES: Me	eter error a	djustments are	e included in ca	lculations			

SB X7-7 Ta	able 4-A: `	Volume Enter	ring the Distri	bution				
Name of S		Wells 1,2,3,4,6	0					
This water	source is:	Groundwater						
~	The supplie	er's own water	source					
		ed or imported						
Baselir Fm SB X7-	ne Year -7 Table 3	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 Base	eline - Wate	er into Distribu	tion 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 Com	oliance Yea	r - Water into I	Distribution Sys	tem				
20	15	1,535		1,535				
* Mete	er Error Adjust	ment - See guidan Methodologies D	ice in Methodology Oocument	1, Step 3 of				
NOTES:								

SB X7-7 T	able 4-A: \	Volume Ente	ring the Distri	bution		
Name of S	ource	Interties and Tr	ansfers			
This water	source is: S	Surface Water	purchased or i	mported		
	The supplie	er's own water	source			
\checkmark	A purchase	d or imported	source			
Baseline Year Fm SB X7-7 Table 3		Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System		
10 to 15 Ye	ear Baseline	e - Water into I	Distribution Sys ⁻	tem		
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 Base	eline - Wate	er into Distribu	tion 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 Com	oliance Year	r - Water into I	Distribution Sys	tem		
20	15	2,900		2,900		
* Mete	* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document					
NOTES:						

Name of S	source is:	Source 4		
This water				
		er's own water		
	A purchase	ed or imported	source	
Fm SB X7	n e Year -7 Table 3	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System
10 to 15 Y	ear Baseline	- Water into I	Distribution Sys	tem
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 Bas	eline - Wate	er into Distribu	ition 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 Com	pliance Yea	r - Water into I	Distribution Sys	tem
20)15			0
* Mete	er Error Adjust	ment - See guidar Methodologies E	nce in Methodology Document	1, Step 3 of
NOTES:				

					ugmentation		Groundwater Recharge			
Baseline Fm SB X7-7		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	Total Deductible Volume of Indirect Recycled Water Entering the Distribution System
0-15 Year l	Baseline - I	ndirect Recycleo	d Water Us	5						
ear 1	1996			-		-			-	-
ear 2	1997			-		-			-	-
ear 3	1998			-		=			-	-
ear 4	1999			-		-			-	-
ear 5	2000			-		-			-	-
ear 6	2001			-		-			-	-
ear 7	2002			-		-			-	-
ear 8	2003			-		-			-	-
ear 9	2004			-		-			-	-
ear 10	2005			-		-			-	-
'ear 11	0			-		=			-	-
'ear 12	0			-		-			-	-
'ear 13	0			-		-			-	-
'ear 14	0			-		-			-	-
'ear 15	0			-		=			-	-
Year Base	line - Indir	ect Recycled Wa	ter Use							
ear 1	2003			-		-			-	-
ear 2	2004			-		-			-	-
ear 3	2005			-		-			-	-
ear 4	2006			-		-			-	-
ear 5	2007			-		-			-	-
015 Compl	liance - In	direct Recycled V	Nater Use							
201	L5			-		-			-	-
		supplemental s water pumped -				ir input into "Recy	vcled Water P	umped by Utility'	'. The volume rep	orted in this cell must be

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

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

	Criteria 1 - Industrial water use is equal to or greater than 12% of gross water use. Complete SB X7-7 Table 4-C.1
	Criteria 2 - Industrial water use is equal to or greater than 15 GPCD. Complete SB X7-7 Table 4-C.2
	Criteria 3 - Non-industrial use is equal to or less than 120 GPCD. Complete SB X7-7 Table 4-C.3
	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 Fm SB X7-7 Table 3		Gross Water Use Without Process Water Deduction	Industrial Water Use Deduction Eligik	Percent Industrial Water	Eligible for Exclusion Y/N				
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 Bas	eline - Proces	s Water Deduc	tion 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 Comj	oliance Year -	Process Water	Deduction Eligit	olity					
2015		6,913		0%	NO				
NOTES:									

Fm SB X7-	ne Year '-7 Table 3	Industrial			Eligible
		Water Use	Population	Industrial GPCD	for Exclusion Y/N
Year 1	ir Baseline - P	rocess Water De	eduction Eligibility		
	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
Year 11	0		-		NO
Year 12	0		-		NO
Year 13	0		-		NO
Year 14	0		-		NO
Year 15	0		-		NO
5 Year Basel	ine - Process	Water Deduction	n 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 Compli	iance Year - P	rocess Water De	eduction Eligibility		
20	015		18,426	-	NO

SB X7-7 Table 4-C.3: Process Water Deduction Eligibility								
Criteria 3								
Non-industria	al use is equal to c	or less than 120 GPC)					
Baseline Year Fm SB X7-7 Table 3		Gross Water Use Without Process Water Deduction <i>Fm SB X7-7</i> <i>Table 4</i>	Industrial Water Use	Non-industrial Water Use	Population Fm SB X7-7 Table 3	Non-Industrial GPCD	Eligible for Exclusion Y/N	
10 to 15 Ye	ear Baseline - F	Process Water De	duction Eligib	ility				
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	
Year 11	0	-		-	-		NO	
Year 12	0	-		-	-		NO	
Year 13	0	-		-	-		NO	
Year 14	0	-		-	-		NO	
Year 15	0	-		-	-		NO	
5 Year Base	eline - Process	Water Deduction	n 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	
		Process Water De	duction Eligib					
			J ·		18.426	335	NO	
2015 6,913 6,913 18,426 335 NO 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 M	2. 2010 Median Income								
	ia Median old Income	Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N					
201	5 Compliance	Year - Process Wate	er Deduction Eli	gibility					
2010	\$60,883		0%	YES					
NOTES:									

SB X7-7 Ta separate ta		omplete a				
	ndustrial Cu		Industrial Customer 1			
Inc Baseline Year Cus Fm SB X7-7 Table 3 Tota		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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

Name of I	ndustrial Cu	stomer	Industrial Cust	Industrial Customer 2			
Baseline Year Fm SB X7-7 Table 3		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 Y	ear Baseline	- Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Bas	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Com	pliance Year	r - Process Wat	er Deduction				
20)15					-	

SB X7-7 Table 4-D: Process Water Deduction - Volume <i>Complete a separate table for each industrial customer with a process water exclusion</i>							
	ndustrial Cu			Industrial Customer 3			
Baseline Year		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 Ye	ear Baseline	e - Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Base	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Com	oliance Year	r - Process Wat	er Deduction				
20	15					-	
NOTES:							

		Process Wate		- Volume ss water exclusio		Complete a	
	ndustrial Cu			Industrial Customer 4			
Industr Baseline Year Custom		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 Ye	ear Baseline	e - Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Base	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Com	oliance Year	r - Process Wat	er Deduction				
20	15					-	
NOTES:							

		Process Wate		- Volume ss water exclusio	n	Complete a	
	ndustrial Cu			Industrial Customer 5			
Industr Baseline Year Custom		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 Ye	ear Baseline	e - Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Base	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Comp	oliance Year	r - Process Wat	er Deduction				
20	15					-	
NOTES:							

separate ta	ble for each i	industrial custom	er with a proce	rss water exclusio	n		
Name of Ir	ndustrial Cu	istomer	Industrial Cust	Industrial Customer 6			
Indu Baseline Year Custo Fm SB X7-7 Table 3 Total		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 fo this Customer	
10 to 15 Ye	ear Baseline	- Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Base	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Com	oliance Year	r - Process Wat	er Deduction				
	15					-	
NOTES:			1				

		Process Wate		- Volume ss water exclusio		mplete a	
	ndustrial Cu		•	Industrial Customer 7			
Ind Baseline Year Cus Fm SB X7-7 Table 3 Tota		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 Ye	ear Baseline	e - Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Base	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Com	oliance Year	r - Process Wat	er Deduction				
20	15					-	
NOTES:							

		Process Wate		- Volume ss water exclusio		omplete a
	ndustrial Cu		Industrial Customer 8			
In Baseline Year Cu		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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

SB X7-7 Table 4-D: Process Water Deduction - Volume separate table for each industrial customer with a process water exclusion							
	ndustrial Cu		Industrial Customer 9				
In Baseline Year Cu		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 Ye	ear Baseline	e - Process Wat	er 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					-	
Year 11	0					-	
Year 12	0					-	
Year 13	0					-	
Year 14	0					-	
Year 15	0					-	
5 Year Base	eline - Proce	ess Water Dedu	uction				
Year 1	2003					-	
Year 2	2004					-	
Year 3	2005					-	
Year 4	2006					-	
Year 5	2007					-	
2015 Com	oliance Year	r - Process Wat	er Deduction				
20	15					-	
NOTES:							

separate table for each industrial customer with a process water exclusion Name of Industrial Customer Industrial Customer 10						
Baseline Year Fm SB X7-7 Table 3		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 fo this Customer
10 to 15 Y	ear Baseline	- Process Wate	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Bas	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	pliance Year	r - Process Wat	er Deduction			
20)15					-

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)					
Baseline Year Fm SB X7-7 Table 3		Service Area Population <i>Fm SB X7-7</i> Table 3	Annual Gross Water Use <i>Fm SB X7-7</i> Table 4	Daily Per Capita Water Use (GPCD)	
10 to 15 Ye	ear Baseline G	PCD			
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	
Year 11	0	-	-		
Year 12	0	-	-		
Year 13	0	-	-		
Year 14	0	-	-		
Year 15	0	-	-		
10-15 Year Average Baseline GPCD					
	eline GPCD				
Baseline Year Fm SB X7-7 Table 3		Service Area Population <i>Fm SB X7-7</i> <i>Table 3</i>	Gross Water Use Fm SB X7-7 Table 4	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 Ave	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				
Tar	get Method	Supporting Documentation		
	Method 1	SB X7-7 Table 7A		
	Method 2	SB X7-7 Tables 7B, 7C, and 7D Contact DWR for these tables		
	Method 3	SB X7-7 Table 7-E		
	Method 4	Method 4 Calculator		
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

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 Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	lethod 3 Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
		North Coast	137	130
		North Lahontan	173	164
	100%	Sacramento River	176	167
		San Francisco Bay	131	124
		San Joaquin River	174	165
		Central Coast	123	117
		Tulare Lake	188	179
		South Lahontan	170	162
		South Coast	149	142
		Colorado River	211	200
Target167(If more than one region is selected, this value is calculated.)				
NOTES:				

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target				
5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target	
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 Fm SB X7-7 Table 7-F	10-15 year Baseline GPCD Fm SB X7-7 Table 5	2015 Interim Target GPCD		
758	947	853		
NOTES:				

SB X7-7 Table	B X7-7 Table 9: 2015 Compliance							
		Optional Adjustments (in GPCD) Enter "0" if Adjustment Not Used			GPCD)			Did Supplier
Actual 2015 GPCD	2015 Interim Target GPCD	Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD (Adjusted if applicable)	Achieve Targeted Reduction for 2015?
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 T	SB X7-7 Table 2: Method for 2020 Population Estimate					
	Method Used to Determine 2020 Population (may check more than one)					
	1. Department of Finance (DOF) or American Community Survey (ACS)					
<u>_</u>	2. Persons-per-Connection Method					
	3. DWR Population Tool					
	4. Other DWR recommends pre-review					
NOTES:						

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

			-	2020 Deducti	ions	-	
Compliance Year 2020	2020 Volume Into Distribution System This column will remain blank until SB X7-7 Table 4-A is completed.	Exported Water *	Change in Dist. System Storage* (+/-)	Indirect Recycled Water This column will remain blank until SB X7-7 Table 4-B is completed.	Water Delivered for Agricultural Use*	Process Water This column will remain blank until SB X7-7 Table 4-D is completed.	2020 Gross Water Use
	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 S	ource	Sacramento River			
This wate	r source is (check one) :			
	The suppli	er's own water source			
\checkmark	A purchased or imported source				
Compliance Year 2020		Volume Entering Distribution System ¹	Meter Error Adjustment ² <i>Optional</i> (+/-)	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 fo	or each source.				
Name of S	ource	Groundwater Wells				
This water	source is (check one):				
\mathbf{i}	The supplie	er's own water source				
	A purchase	ed or imported source				
Compliance Year 2020		Volume Entering Distribution System ¹	Meter Error Adjustment ² <i>Optional</i> (+/-)	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 Fm SB X7-7 Table 4	2020 Population Fm SB X7-7 Table 3	2020 GPCD			
11,268	18,378	546			
NOTES:					

SB X7-7 Tal	ble 9: 2020 Cor	npliance					
	Enter "O	Optional Adj if Adjustment No	justments to 20	20 GPCD		2020	Did Supplier
Actual 2020 GPCD ¹	Extraordinary Events ¹	Weather Normalization ¹	Economic Adjustment ¹	TOTAL Adjustments ¹	Adjusted 2020 GPCD ¹ (Adjusted if applicable)	2020 Confirmed Target GPCD ^{1, 2}	Achieve Targeted Reduction for 2020?
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:

Baseline	Parameter	Value	Units
	2008 total water deliveries	14,483	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
10- to 15-year	2008 recycled water as a percent of total deliveries	0.00%	Percent
baseline period	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	1996	///////////////////////////////////////
	Year ending baseline period range ³	2005	
5	Number of years in baseline period	5	Years
5-year	Year beginning baseline period range	2003	///////////////////////////////////////
baseline period	Year ending baseline period range ⁴	2007	
lelivered in 2008 is 10 pe	ter percent is less than 10 percent, then the first baseline period is a continuous 10 prcent or greater, the first baseline period is a continuous 10- to 15-year period. Is between 10 and 15 years. However, DWR recognizes that some water suppliers	² Tł	ne Water Code requires
The ending year must b	e between December 31, 2004 and December 31, 2010.		
The ending year must b	e between December 31, 2007 and December 31, 2010.		
NOTES:			

SB X7-7 T	SB X7-7 Table 2: Method for Population Estimates					
	Method Used to Determine Population (may check more than one)					
V	 Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available 					
	2. Persons-per-Connection Method					
	3. DWR Population Tool					
	4. Other DWR recommends pre-review					
	r years between census years a linear interpolation using a was implemented.					

SB X7-7 Table 3: Service Area Population					
Y	'ear	Population			
10 to 15 Ye	ear Baseline P	opulation			
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			
Year 11					
Year 12					
Year 13					
Year 14					
Year 15					
5 Year Base	eline Populati	on			
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 Comp	oliance Year P	opulation			
2	015	18,426			
NOTES:					

					Deduction	ıs		
Baseline Year Fm SB X7-7 Table 3		Volume Into Distribution System This column will remain blank until SB X7-7 Table 4-A is completed.	Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water This column will remain blank until SB X7-7 Table 4-B is completed.	Water Delivered for Agricultural Use	Process Water This column will remain blank until SB X7-7 Table 4-D is completed.	Annual Gross Water Use
10 to 15 Y	ear Baseline -	Gross Water Us	se					
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 yea	r baseline ave	erage gross wat	ter use					16,534
5 Year Bas	eline - Gross V	Vater 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 bas	eline average	gross water us	e					17,725
2015 Com	oliance Year - O	Gross Water Us	e					
2	2015	6,913	-		-		-	6,913

NOTES:

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

Complete one table for each source.

Name of S		CVP Water - Sa					
This water		USBR Contrac					
		er's own water					
	A purchased or imported source						
Baseline Year Fm SB X7-7 Table 3		VolumeMeter ErrorEnteringAdjustment*DistributionOptionalSystem(+/-)		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 Base	eline - Wate	er into Distribu	tion 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 Com	oliance Yea	r - Water into I	Distribution Sys	tem			
20	15	2,478		2,478			
* Mete	er Error Adjust	ment - See guidar Methodologies D	oce in Methodology Document	1, Step 3 of			
NOTES: Me	NOTES: Meter error adjustments are included in calculations						

SB X7-7 Ta	able 4-A: `	Volume Enter	ring the Distri	bution			
Name of S		Wells 1,2,3,4,6	0				
This water	source is:	Groundwater					
~	✓ The supplier's own water source						
		ed or imported					
Baselir Fm SB X7-	ne Year -7 Table 3	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System			
10 to 15 Ye	ear Baseline	e - Water into I	Distribution Sys	tem			
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 Base	eline - Wate	er into Distribu	tion 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 Com	oliance Yea	r - Water into I	Distribution Sys	tem			
20	15	1,535		1,535			
* Mete	er Error Adjust	ment - See guidan Methodologies D	ice in Methodology Oocument	1, Step 3 of			
NOTES:							

SB X7-7 T	able 4-A: \	Volume Ente	ring the Distri	bution			
Name of S	ource	Interties and Tr	ansfers				
This water	source is: S	Surface Water	purchased or i	mported			
	The supplie	er's own water	source				
\checkmark	A purchased or imported source						
Baselir Fm SB X7-	ne Year 7 Table 3	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System			
10 to 15 Ye	ear Baseline	e - Water into I	Distribution Sys ⁻	tem			
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 Base	eline - Wate	er into Distribu	tion 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 Com	oliance Year	r - Water into I	Distribution Sys	tem			
20	15	2,900		2,900			
* Mete	er Error Adjusti	ment - See guidar Methodologies [nce in Methodology Document	1, Step 3 of			
NOTES:	NOTES:						

Name of S	source is:	Source 4					
This water							
		The supplier's own water source A purchased or imported source					
	A purchase	ed or imported	source				
Baseline Year Fm SB X7-7 Table 3		Volume Entering Distribution System	Meter Error Adjustment* <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System			
10 to 15 Y	ear Baseline	- Water into I	Distribution Sys	tem			
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 Bas	eline - Wate	er into Distribu	ition 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 Com	pliance Yea	r - Water into I	Distribution Sys	tem			
20)15			0			
* Mete	er Error Adjust	ment - See guidar Methodologies E	nce in Methodology Document	1, Step 3 of			
NOTES:							

			Surface Reservoir Augmentation				Groundwater Recharge			
Baseline Year Fm SB X7-7 Table 3		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	Total Deductible Volume of Indirect Recycled Water Entering the Distribution System
0-15 Year l	Baseline - I	ndirect Recycleo	d Water Us	5						
ear 1	1996			-		-			-	-
ear 2	1997			-		-			-	-
ear 3	1998			-		=			-	-
ear 4	1999			-		-			-	-
ear 5	2000			-		-			-	-
ear 6	2001			-		-			-	-
ear 7	2002			-		-			-	-
ear 8	2003			-		-			-	-
ear 9	2004			-		-			-	-
ear 10	2005			-		-			-	-
'ear 11	0			-		=			-	-
'ear 12	0			-		-			-	-
'ear 13	0			-		-			-	-
'ear 14	0			-		-			-	-
'ear 15	0			-		=			-	-
Year Base	line - Indir	ect Recycled Wa	ter Use							
ear 1	2003			-		-			-	-
ear 2	2004			-		-			-	-
ear 3	2005		-	-		-			-	-
ear 4	2006			-		-			-	-
ear 5	2007			-		-			-	-
015 Compl	liance - In	direct Recycled V	Nater Use							
201	L5			-		-			-	-
		supplemental s water pumped -				ir input into "Recy	vcled Water P	umped by Utility'	'. The volume rep	orted in this cell must be

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

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

	Criteria 1 - Industrial water use is equal to or greater than 12% of gross water use. Complete SB X7-7 Table 4-C.1
	Criteria 2 - Industrial water use is equal to or greater than 15 GPCD. Complete SB X7-7 Table 4-C.2
	Criteria 3 - Non-industrial use is equal to or less than 120 GPCD. Complete SB X7-7 Table 4-C.3
	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 wa	ter use is equal	to or greater than	12% of gross water ι	ıse			
Baseline Year Fm SB X7-7 Table 3		Gross Water Use Without Process Water Deduction	Industrial Water Use Deduction Eligik	Percent Industrial Water	Eligible for Exclusion Y/N		
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 Bas	eline - Proces	s Water Deduc	tion 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 Comj	oliance Year -	Process Water	Deduction Eligit	olity			
2015		6,913		0%	NO		
NOTES:							

Fm SB X7-	ne Year '-7 Table 3	Industrial			Eligible					
		Water Use	Industrial Water Use Population		for Exclusion Y/N					
Year 1	10 to 15 Year Baseline - Process Water Deduction Eligibility									
	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					
Year 11	0		-		NO					
Year 12	0		-		NO					
Year 13	0		-		NO					
Year 14	0		-		NO					
Year 15	0		-		NO					
5 Year Basel	ine - Process	Water Deduction	n 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 Compli	iance Year - P	rocess Water De	eduction Eligibility							
2015 18,426 - NO										

SB X7-7 Table 4-C.3: Process Water Deduction Eligibility								
Criteria 3								
Non-industria	al use is equal to c	or less than 120 GPC)					
Baseline Year Fm SB X7-7 Table 3		Gross Water Use Without Process Water Deduction <i>Fm SB X7-7</i> <i>Table 4</i>	Industrial Water Use	Non-industrial Water Use	Population Fm SB X7-7 Table 3	Non-Industrial GPCD	Eligible for Exclusion Y/N	
10 to 15 Ye	ear Baseline - F	Process Water De	duction Eligib	ility				
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	
Year 11	0	-		-	-		NO	
Year 12	0	-		-	-		NO	
Year 13	0	-		-	-		NO	
Year 14	0	-		-	-		NO	
Year 15	0	-		-	-		NO	
5 Year Base	eline - Process	Water Deduction	n 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	
		Process Water De	duction Eligib					
			J ·		18.426	335	NO	
2015 6,913 6,913 18,426 335 NO 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:

	. IRWM DAC Mapping tool http://www.water.ca.gov/irwm/grants/resources_dac.cfm						
-		pping Tool, include a s rea is considered a DAC		the tool			
2. 2010 M	edian Income	2					
	ia Median old Income	Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N			
201	5 Compliance	Year - Process Wate	er Deduction Eli	gibility			
2010	\$60,883		0%	YES			
NOTES:							

		Process Wate		- Volume ss water exclusio		omplete a
	ndustrial Cu		Industrial Cust			
Baselir Fm SB X7-	ne Year -7 Table 3	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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

Name of I	ndustrial Cu	stomer	Industrial Cust	omer 2		
Fm SB X7	ne Year -7 Table 3	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 Y	ear Baseline	- Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Bas	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	pliance Year	r - Process Wat	er Deduction			
20)15					-

		Process Wate		- Volume ess water exclusio		omplete a
	ndustrial Cu		Industrial Cust			
	ne Year	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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:			-			

		Process Wate		- Volume ss water exclusio		Complete a
	ndustrial Cu		Industrial Cust			
Baselir Fm SB X7-	ne Year -7 Table 3	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 Ye	ear Baseline	- Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

		Process Wate		- Volume ss water exclusio	n	Complete a
	ndustrial Cu		Industrial Cust			
Baselir Fm SB X7-	ne Year 7 Table 3	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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Comp	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

separate tal	ble for each i	ndustrial custom	er with a proce	rss water exclusio	n	
Name of Ir	ndustrial Cu	stomer	Industrial Cust	omer 6		
Baselir Fm SB X7-	ne Year 7 Table 3	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 fo this Customer
10 to 15 Ye	ear Baseline	- Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Comp	oliance Year	r - Process Wat	er Deduction			
	15					-
NOTES:						

		Process Wate		- Volume ss water exclusio		mplete a
	ndustrial Cu		Industrial Cust			
	ne Year	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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

		Process Wate		- Volume ess water exclusio		omplete a
	ndustrial Cu		Industrial Cust			
Baselir Fm SB X7-	ne Year 7 Table 3	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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

		Process Wate		- Volume ess water exclusio	n	Complete a
	ndustrial Cu		Industrial Cust			
	ne Year	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 Ye	ear Baseline	e - Process Wat	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Base	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	oliance Year	r - Process Wat	er Deduction			
20	15					-
NOTES:						

Name of I	ndustrial Cu	stomer	Industrial Cust	omer 10		
Baseli	ne Year -7 Table 3	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 fo this Customer
10 to 15 Y	ear Baseline	e - Process Wate	er 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					-
Year 11	0					-
Year 12	0					-
Year 13	0					-
Year 14	0					-
Year 15	0					-
5 Year Bas	eline - Proce	ess Water Dedu	uction			
Year 1	2003					-
Year 2	2004					-
Year 3	2005					-
Year 4	2006					-
Year 5	2007					-
2015 Com	pliance Year	r - Process Wat	er Deduction			
20)15					-

SB X7-7 T	able 5: Gallo	ns Per Capita Pe	er Day (GPCD)	
Fm SB X	ine Year 7-7 Table 3	Service Area Population <i>Fm SB X7-7</i> Table 3	Annual Gross Water Use <i>Fm SB X7-7</i> Table 4	Daily Per Capita Water Use (GPCD)
10 to 15 Ye	ear Baseline G	PCD		
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
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year	r Average Base	eline GPCD		947
5 Year Bas	eline GPCD			
	ine Year 7-7 Table 3	Service Area Population <i>Fm SB X7-7</i> <i>Table 3</i>	Gross Water Use Fm SB X7-7 Table 4	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 Ave	erage Baseline	GPCD		956
2015 Com	pliance Year G	GPCD		
2	015	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				
Tar	get Method	Supporting Documentation		
	Method 1	SB X7-7 Table 7A		
	Method 2	SB X7-7 Tables 7B, 7C, and 7D Contact DWR for these tables		
	Method 3	SB X7-7 Table 7-E		
	Method 4	Method 4 Calculator		
NOTES	:			

SB X7-7 Table 7-A: Target Method 20% Reduction	1
10-15 Year Baseline GPCD	2020 Target GPCD
947	758
NOTES:	

SB X7-7 Table 7-B: Target Method 2 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 Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	lethod 3 Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
		North Coast	137	130
		North Lahontan	173	164
	100%	Sacramento River	176	167
		San Francisco Bay	131	124
		San Joaquin River	174	165
		Central Coast	123	117
		Tulare Lake	188	179
		South Lahontan	170	162
		South Coast	149	142
		Colorado River	211	200
(If mor	e than one regior	Target In is selected, this value is calcula	ited.)	167
NOTES:				

SB X7-7 Table 7-F: Co	onfirm Minimun	n Reduction for 2020	Target
5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
956	908	758	758
GPCD. ² 2020 Target is calculated b corresponding tables for ag	pased on the selected	5	
NOTES:			

SB X7-7 Table 8: 2	015 Interim Targe	et GPCD
Confirmed 2020 Target Fm SB X7-7 Table 7-F	10-15 year Baseline GPCD Fm SB X7-7 Table 5	2015 Interim Target GPCD
758	947	853
NOTES:		

SB X7-7 Table	9: 2015 Comp	oliance						
		Enter "0	Optional " if Adjustment N	Adjustments <i>(in</i> ot Used	GPCD)			Did Supplier
Actual 2015 GPCD	2015 Interim Target GPCD	Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD (Adjusted if applicable)	Achieve Targeted Reduction for 2015?
335	853	-	-	-	-	335	335	YES
NOTES:								

BELLA VISTA WATER DISTRICT URBAN WATER MANAGEMENT PLAN

APPENDIX G – AWWA WATER LOSS WORKSHEETS

	WWA Free Water Audit Reporting Worksh		WAS v5.0 American Water Works Association
Click to access definition Water Audit Report for: Click to add a comment Reporting Year:	Bella Vista Water District (45100 2016 1/2016 - 12/2016	14)	
Please enter data in the white cells below. Where available, metered values sho	ould be used; if metered values are una	vailable please estimate a value. Indi	icate your confidence in the accuracy of the
AII	I volumes to be entered as: ACRI	E-FEET PER YEAR	
To select the correct data grading for each input, the utility meets or exceeds all criteria fo			aster Meter and Supply Error Adjustments
WATER SUPPLIED	• •	ng in column 'E' and 'J'>	Pcnt: Value:
Volume from own sources:	+ ? 6 7,927.00		3 O acre-ft/yr
Water imported: Water exported:	+ ? n/a 0.00 + ? n/a 0.00		acre-ft/yr acre-ft/yr acre-ft/yr
		E	nter negative % or value for under-registration
WATER SUPPLIED:	7,927.00	0 acre-ft/yr Ei	nter positive % or value for over-registration
AUTHORIZED CONSUMPTION Billed metered:	+ ? 5 8.155.00		Click here: ?
Billed unmetered:	+ ? 5 8,155.00 + ? n/a 0.00		for help using option buttons below
Unbilled metered:			Pcnt: Value:
Unbilled unmetered:	+ ? 5 19.81	8 acre-ft/yr	19.818 acre-ft/yr
AUTHORIZED CONSUMPTION:	2 0 175 01	9	Use buttons to select
Check input values; WATER SUPPLIED		8 acre-ft/yr ZED CONSUMPTION	percentage of water supplied
			OR walue
WATER LOSSES (Water Supplied - Authorized Consumption)	-248.81	8 acre-ft/yr	
Apparent Losses Unauthorized consumption:	+ ? 19.81	8 acre-ft/yr	Pcnt: Value:
Default option selected for unauthorized cons		ed but not displayed	
Customer metering inaccuracies:		-	1.00%
Systematic data handling errors: Default option selected for Systematic data		8 acre-ft/yr	0.25% (acre-ft/yr
Apparent Losses:		9 acre-ft/yr	
Check input values; APPARENT LOS	SSES should be less than WATER	LOSSES	
Real Losses (Current Annual Real Losses or CARL)	-371.40	C	
Real Losses = Water Losses - Apparent Losses: WATER LOSSES:		6 acre-ft/yr 8 acre-ft/yr	
	-240.01		
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbilled Unmetered	? -228.00	0 acre-ft/yr	
SYSTEM DATA			
Length of mains:	+ ? 9 242		
Number of <u>active AND inactive</u> service connections: Service connection density:	+ ? 10 6,30 ? 2	conn./mile main	
Are customer meters typically located at the curbstop or property line?	Ye	es (length of service line, <u>b</u>	eyond the property
<u>Average</u> length of customer service line: Average length of customer service line has been s		boundary, that is the res	
Average operating pressure:		0 psi	
COST DATA			
Total annual cost of operating water system:			
Customer retail unit cost (applied to Apparent Losses): Variable production cost (applied to Real Losses):		8 \$/100 cubic feet (ccf) 9 \$/acre-ft Use Custon	ner Retail Unit Cost to value real losses
	ial to) production costs; please revi		
WATER AUDIT DATA VALIDITY SCORE:			
	** YOUR SCORE IS: 64 out of 100	***	
			(alidity Score
A weighted scale for the components of consum	iption and water loss is included in the		value Scole
PRIORITY AREAS FOR ATTENTION:	ing the following opportunity		
Based on the information provided, audit accuracy can be improved by address	sing the following components:		
1: Volume from own sources			
2: Customer metering inaccuracies			
3: Billed metered			

Image: State Reserved from Relative Planter defection		ree Water Audit Seporting Workshee		WAS v5.0 American Water Works Associatio
All volumes to a surface determines the hybride grade barres to a surface of a concept of a concent of a	Water Audit Report for: Bella Vist		4)	
To earder date grading for each much attentines the singlest grade where the utility motes or exceeds at functions for the grade and all grade blows. Master Meter and Suppy Etric Adjustments WATER SUPPLED 0.0000 area by Water imported 0.0000 area by 0.0000 area by Water imported Part: Value:	Please enter data in the white cells below. Where available, metered values should be use	d; if metered values are unava	ailable please estimate a value.	Indicate your confidence in the accuracy of the
The utily meets of exceeds all other is for the grade and all grade below. It is is inclument if under the utility of the uti	All volumes	to be entered as: ACRE-	FEET PER YEAR	
WATER SUPPLED The our source is a iso in a construction. The not if iso iso iso iso iso iso iso if it iso iso iso iso iso if it iso iso iso iso iso it iso iso iso it iso iso iso iso it iso it iso iso it				Master Mater and Supply Error Adjustments
Water imported:		•	in column 'E' and 'J'	
Water reporties in 0.000 provedyr Ender registration AUTHORIZED CONSUMPTION Billed meternet in 0.755.000 provedyr Filler gelater & Korveller (Korveller & Korveller & Korveler & Korveler & Korveler & Korveller & Korveller & Korveller & Kor				
WATER SUPPLIE: 9,699.000 aver by Enter positive % or value for over-registration AUTHORIZED CONSUMPTION Billed meters if				acre-ft/yr
Billed metered: 0 0 0.755.000 pro-thyp Billed metered: 0 0 0.000 pro-thyp Unbilled metered: 0 0.000 pro-thyp MATER LOSSES (Water Supplied - Authorized Consumption) 889.000 pro-thyp 0 Authorized Consumption) 889.000 pro-thyp 0 Additional construction: 0 0.24248 pro-thyp Default option selected for manufactorized consumption - a grading of is applied but not displayed 0.000 pro-thyp Agenand Losses Unauthorized consumption - a grading of is applied but not displayed 0.000 pro-thyp Systemack cata handing errors: 0 1/247.076 pro-thyp Bell Losses (Current Annual Real Losses or CARL) acce-thyp Real Losses / Apparent Losses: 0 0.424.000 pro-thyp Vatar Losses : 0 0.424.000 pro-thyp Non-Revenue Water 0 0.424.000 pro-thyp Vatar Losses : 0 0.300 pro-thyp<	WATER SUPPLIED:	9,699.000	acre-ft/yr	
Bilded meterses Bilded Bilded Bilded Bilded Bilded Bilded Bilded Bilded Bilded Bilded Bild				Click here: ?
Urbilled metered: 0 5000 pare-thyr Value: water hyr AUTHORIZED CONSUMPTION: 0 889.000 acce-flyr water hyr Water hurborized consumption 889.000 acce-flyr ADDE SEES (Water Supplied - Authorized Consumption) 889.000 acce-flyr water hurborized consumption 242.48 acce-flyr water hurborized consumption 242.48 acce-flyr water hurborized consumption acce-flyr water hurborized consumption acce-flyr water hurborized consumption acce-flyr water hurborized consumption acce-flyr acce-flyr water hurborized consumption acce-flyr <			-	for help using option
AUTHORIZED CONSUMPTION: B 0,810.000 acre-htyr WATER LOSSES (Weer Supplied - Authorized Consumption) 899.000 acre-htyr Port Value Authorized Consumption: B 0,242.05 acre-htyr Port Value acre-htyr Apparent Losses Unauthorized consumption: B 242.05 acre-htyr 0.25% 0				Pcnt: Value:
AUTHORIZED CONSUMPTION: Image: Status of the property condex of the	Unbilled unmetered: 💌 ?	8 50.000	acre-ft/yr	50.000 acre-ft/yr
WATER LOSSES (Water Supplied - Authorized Consumption) 889.000 acre-Myr Part Apparent Losses Unauthorized consumption: 24.248 acre-Myr Default option selected for unauthorized consumption: 24.248 acre-Myr Default option selected for systematic data handling errors: 21.178.776 acre-Myr Default option selected for systematic data handling errors: 21.1888 acre-Myr Default option selected for systematic data handling errors: 22.4311 acre-Myr Real Losses / Water Losses: 22.4311 acre-Myr WATER LOSSES: 889.000 acre-Myr WATER LOSSES: 889.000 acre-Myr "Water Losses + Unbilder Meterd + Unbilder MON-REVENUE WATER: 944.000 acre-Myr "Water Losses + Unbilder Meterd + Unbilder Unditories errorice dramatic 9 2.42.01 mies Service connection density 36 connection ensity 36 connection ensity Number of active AND inactive service (on metarice insite) 9 2.42.01 mies connection ensity Service connection density 36 connection ensity 36 connethyr "Water Losses + U	AUTHORIZED CONSUMPTION:	8,810.000	acre-ft/yr	[:] percentage of water supplied
Apparent Lesses Unauthorized consumption: 12 24.248 acre-flyr Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed 0.25% 0.20% acre-flyr Option 0.25% 0 - acre-flyr 0.25% 0.25% 0.25% acre-flyr Option 0.25% 0 - acre-flyr 0.25% 0.25% 0.25% 0.25% acre-flyr Default option selected for Unauthorized consumption - a grading of 5 is applied but not displayed 2.00% - acre-flyr acre-flyr Default option selected for Systematic data handing errors - a grading of 5 is applied but not displayed 2.00% - acre-flyr acre-flyr Real Losses Current Annual Real Losses or CARU 0 664.069 acre-flyr 0.25% - acre-flyr Non-Revenue Watter 0 0 0.25% 0 - acre-flyr Non-Revenue Watter Length of mains: 0 0 - 242.0 miles System Iod Ta Length of mains: 0 0 - 242.0 miles - acre-flyr Number of active AND inactive service bine has been set to zero and a data grading score of 10 has been applied	WATER LOSSES (Water Supplied - Authorized Consumption)	889.000	acre-ft/vr	
Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed Customer metering inaccuracies: 1 1 1218 (8) acce-thyr Default option selected for Systematic data handing errors - a grading of 5 is applied but not displayed 0259% (* (*) acce-thyr Default option selected for Systematic data handing errors - a grading of 5 is applied but not displayed 0259% (* (*) acce-thyr Beal Losses (Current Annual Real Losses or CARL) Real Losses - Apparent Losses: 2 664.089 acce-thyr Non-REVENUE WATER NON-REVENUE WATER: 944.000 acce-thyr * Water Losses - Unbilled Metered + Unbilled Unmetered 944.000 acce-thyr * Water Costes - who the detered + Unbilled Unmetered 9 System DATA Length of mains: 0	Apparent Losses			Pcnt: Value:
Customer metering inscurateis: 1 1 1 2 0.9% 0.25%				0.25% O acre-ft/yr
Systematic data handling error: 21.888 0.25% • acre-tlyr Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed Apparent Losses : 224.911 acre-tlyr Real Losses (Current Annual Real Losses or CARL) Real Losses = Water Losses - Apparent Losses: 2 WATER LOSSES: 889.000 acre-tlyr NON-REVENUE WATER NON-REVENUE WATER NON-REVENUE WATER NON-REVENUE WATER Non-Revenue Water * Water Losses + Unbilled Unmetered SYSTEM DATI Length of mains: Q: 0 Service connection density: Q: 0 Water Losses + Unbilled Unmetered Are customer meters bylically located at the curbstop or poperty line? Are customer meters bylically located at the curbstop or poperty line? Are customer meters bylically located at the curbstop or poperty line? Are customer meters bylically located at the curbstop or poperty line? Are customer meters bylically located at the curbstop or poperty line? Yes: Customer retail unit cost (applied to Apparent Losses): Customer retail unit cost (applied to Apparent Losses): Q: 0 Stribe Cost DATA Customer retail unit cost (applied to Apparent Losses): Q: 0 Stribe Sout of 100 Stribe Sout of 100 Stribe Sout of 100 <				2 00% (•) acre-ft/vr
Apparent Losses: Image: Content Annual Real Losses or CARL) Real Losses (Current Annual Real Losses - Apparent Losses: Image: Content Annual Real Losses or CARL) Real Losses = Water Losses - Apparent Losses: Image: Content Annual Real Losses or CARL) Non-Revenue Watter Image: Content Annual Real Losses or CARL) Non-Revenue Watter Image: Content Annual Real Losses or CARL) Non-Revenue Watter Image: Content Annual Real Losses or CARL) Non-Revenue Watter Image: Content Annual Real Losses or CARL) Water Losses - Unbilled Metered + Unbilled Ummetered Image: Content Annual Real Ummetered System Data Image: Content Annual Real Content Annual Real Ummetered Service connection density: Image: Content Annual Real Content Real Real Real Real Real Real Real Real	Systematic data handling errors: + ?	21.888	acre-ft/yr	
Real Losses (Current Annual Real Losses - Apparent Losses): 				
Real Losses = Water Losses - Apparent Losses: Image: Content of the content of t		224.311	acic-inyi	
Water Losses: 889.000 acre-ftyr NON-REVENUE WATER 944.000 acre-ftyr Year Losses: 944.000 acre-ftyr • Water Losses: 944.000 acre-ftyr • Water Losses: 944.000 acre-ftyr • Water Losses: 10 242.0 Number of active AND inactive service connections: 10 6.323 Service connection density: 10 6.323 Service connection density: 10 6.323 Service connection density: 10 6.323 Average length of customer service line is the responsibility of the utility: 10 6.323 Average length of customer service line is to zero and a data grading score of 10 has been applied Average length of customer service line is 10 10 Average length of customer service line is 10 10 \$4.976.111 \$Year Customer retail unit cost of operating water system: 10 \$4.976.111 \$Year Customer retail unit cost of operating water system: 10 \$178.54 \$3are-ft Use customer Retail Unit Cost to value real losses Variable production cost (applied to Agarent Losses): 10 \$178.54 \$3are-ft		664 089	acre_ft/vr	
NON-REVENUE WATER: 2 944.000 acre-ftyr = Water Losses + Unbilled Unmetered SYSTEM DATA Length of mains: 2 0 242.0 miles Number of active AND inactive service connection density: 2 0 0 242.0 miles Are customer meters typically located at the curbstop or property line? 2 0 0 242.0 miles Average length of customer service line: 2 0 0 242.0 miles Average length of customer service line has been as to zero and a data grading score of 10 has been applied Average length of customer service line: 2 0 54.976.111 Strear Customer retail unit cost (applied to Apparent Losses): 2 0 \$4.976.111 Strear 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 Mater Audoit Data Valuity Score Strear St				
NON-REVENUE WATER: 2 944.000 acre-ftyr = Water Losses + Unbilled Unmetered SYSTEM DATA Length of mains: 2 0 242.0 miles Number of active AND inactive service connection density: 2 0 0 242.0 miles Are customer meters typically located at the curbstop or property line? 2 0 0 242.0 miles Average length of customer service line: 2 0 0 242.0 miles Average length of customer service line has been as to zero and a data grading score of 10 has been applied Average length of customer service line: 2 0 54.976.111 Strear Customer retail unit cost (applied to Apparent Losses): 2 0 \$4.976.111 Strear 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 Mater Audoit Data Valuity Score Strear St	NON-REVENUE WATER		· · ·	
SYSTEM DATA Length of mains: ¹	NON-REVENUE WATER:	944.000	acre-ft/yr	
Number of active AND inactive service connections: ¹				
Service connection density: ? 26 conn./mile main Are customer meters typically located at the curbstop 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 is ? ? 8 72.0 psi COST DATA Average operating pressure: ? 8 72.0 psi Cost nata Total annual cost of operating water system: ?? 9 \$4,976,111 \$/Year Customer retail unit cost (applied to Apparent Losses): ?? 9 \$50.39 \$/100 cubic feet (ccf) Variable production cost (applied to Real Losses): ?? 9 \$50.39 \$/170.0 cubic feet (ccf) Variable production cost (applied to Real Losses): ?? ?? 9 \$50.39 \$/170.0 cubic feet (ccf) WATER AUDIT DATA VALIDITY SCORE: ** YOUR SCORE IS: 65 out of 100 *** Neighted 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 ?: Billed metered ?: Billed metered ?: Billed metered			miles	
Average length of customer service line: 1 Average length of customer service line has been set to zero and a data grading score of 10 has been applied Average operating pressure: 2 8 72.0 psi COST DATA Total annual cost of operating water system: 2 10 \$4,976,111 \$Year Customer retail unit cost (applied to Apparent Losses): 2 9 \$0.39 \$1/100 cubic feet (ccf) Variable production cost (applied to Real Losses): 2 6 \$178.54 \$vace-4t Use Customer Retail Unit Cost to value real losses WATER AUDIT DATA VALIDITY SCORE: *** YOUR SCORE IS: 65 out of 100 *** Average to move the information provided, audit accuracy can be improved by addressing the following components: 1: Youre score 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: Youre score is included in the calculation of the Water Audit Data Validity Score 2: Billed metered 2: Billed metered 2: Billed metered 1: 1:			conn./mile main	
Average length of customer service line: 1 Average length of customer service line has been set to zero and a data grading score of 10 has been applied Average operating pressure: 2 8 72.0 psi COST DATA Total annual cost of operating water system: 2 10 \$4,976,111 \$Year Customer retail unit cost (applied to Apparent Losses): 2 9 \$0.39 \$1/100 cubic feet (ccf) Variable production cost (applied to Real Losses): 2 6 \$178.54 \$vace-4t Use Customer Retail Unit Cost to value real losses WATER AUDIT DATA VALIDITY SCORE: *** YOUR SCORE IS: 65 out of 100 *** Average to move the information provided, audit accuracy can be improved by addressing the following components: 1: Youre score 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: Youre score is included in the calculation of the Water Audit Data Validity Score 2: Billed metered 2: Billed metered 2: Billed metered 1: 1:	Are customer meters typically located at the curbston or property line?	Yes		
Average operating pressure: 	Average length of customer service line: + ?		that is the responsibilit	
COST DATA Total annual cost of operating water system: Customer retail unit cost (applied to Apparent Losses): Yariable production cost (applied to Real Losses): Yariable production cost (applied to 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: 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				
Total annual cost of operating water system: Customer retail unit cost (applied to Apparent Losses): Pariable production cost (applied to Real Losses): Pariable production cost (applied to Real Losses): Pariable production cost (applied to Real Losses): Patial costs are less than (or equal to) production costs; please review and correct if necessary 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				
Customer retail unit cost (applied to Apparent Losses): 				
Variable production cost (applied to 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				er Retail Unit Cost to value real losses
*** 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: I: Volume from own sources Z: Billed metered	Retail costs are less than (or equal to) prod	luction costs; please review	and correct if necessary	
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	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	*** YOUR S	CORE IS: 65 out of 100 **	*	
Based on the information provided, audit accuracy can be improved by addressing the following components: I: Volume from own sources 2: Billed metered	A weighted scale for the components of consumption and v	vater loss is included in the ca	alculation of the Water Audit Dat	ta Validity Score
1: Volume from own sources 2: Billed metered	PRIORITY AREAS FOR ATTENTION:			
2: Billed metered		owing components:		
3: Customer metering inaccuracies				
	3: Customer metering inaccuracies			

AW	WA Free Water Audit So <u>Reporting Worksheet</u>		WAS v5.0 American Water Works Association
Click to access Water Audit Report for: Br Click to add a comment Reporting Year:	ella Vista Water District (4510014) 2018 1/2018 - 12/2018)	
Please enter data in the white cells below. Where available, metered values should	ld be used; if metered values are unavail	able please estimate a value. Indica	te your confidence in the accuracy of the
All v	volumes to be entered as: ACRE-FE	EET PER YEAR	
To select the correct data grading for each input, deter		M	
the utility meets or exceeds <u>all</u> criteria for that WATER SUPPLIED	• •	n column 'E' and 'J'>	ter Meter and Supply Error Adjustments Pcnt: Value:
Volume from own sources: +		acre-ft/yr + ? 4	acre-ft/yr
Water imported: + Water exported: +		acre-ft/yr + ? acre-ft/yr + ?	acre-ft/yr acre-ft/yr
WATER SUPPLIED:	10,117.000		r negative % or value for under-registration r positive % or value for over-registration
AUTHORIZED CONSUMPTION		acre-inyi Ente	
Billed metered: 📑		acre-ft/yr	for help using option
Billed unmetered: 🔸 Unbilled metered: 🛨		acre-ft/yr acre-ft/yr	Pcnt: Value:
Unbilled unmetered:		•	76.000 acre-ft/yr
			Use buttons to select
AUTHORIZED CONSUMPTION:	9,610.000	acre-ft/yr	imm percentage of water supplied
WATER LOSSES (Water Supplied - Authorized Consumption)	507.000	coro ft/m	value
Apparent Losses	507.000	acre-il/yr	Pcnt: ♥ Value:
Unauthorized consumption:	25.293	acre-ft/yr	0.25%
Default option selected for unauthorized consu			
Customer metering inaccuracies: + Systematic data handling errors: +		acre-ft/yr acre-ft/yr	2.00% (0) () acre-ft/yr 0.25% (0 (
Default option selected for Systematic data h		•	
Apparent Losses:	? 243.671	acre-ft/yr	
<u>Real Losses (Current Annual Real Losses or CARL)</u> Real Losses = Water Losses - Apparent Losses:	263.329	acre-ft/ur	
WATER LOSSES:	507.000	•	
NON-REVENUE WATER			
NON-REVENUE WATER:	? 594.000	acre-ft/yr	
= Water Losses + Unbilled Metered + Unbilled Unmetered SYSTEM DATA			
Length of mains: 🔸		miles	
Number of <u>active AND inactive</u> service connections: + Service connection density:		conn./mile main	
	Yes		
Are customer meters typically located at the curbstop or property line? <u>Average</u> length of customer service line:	?	(length of service line, <u>beyon</u> that is the responsibility of th	
Average length of customer service line has been set Average operating pressure:			
	12.0	F	
COST DATA			
Total annual cost of operating water system:			
Customer retail unit cost (applied to Apparent Losses): 🔸 Variable production cost (applied to Real Losses): 🛨		\$/100 cubic feet (ccf) \$/acre-ft	il Unit Cost to value real losses
WATER AUDIT DATA VALIDITY SCORE:			
*** 1	YOUR SCORE IS: 66 out of 100 ***		
A weighted scale for the components of consumpti	tion and water loss is included in the calc	culation of the Water Audit Data Vali	idity Score
PRIORITY AREAS FOR ATTENTION:			
Based on the information provided, audit accuracy can be improved by addressing	ig the following components:		
1: Volume from own sources			
2: Billed metered			
3: Customer metering inaccuracies			

1	AW		Water Audit So Prting Workshee		WAS American Water Works /	S v5.0 Association
Click to access definition Click to add a comment	Water Audit Report for: Be Reporting Year:	ella Vista W 2019	ater District (4510014 1/2019 - 12/2019	4)		
Please enter data in the white cells below.	Where available, metered values should	d be used; if r	netered values are unava	ilable please estimate a value.	Indicate your confidence in the accuracy of the	
	All v	olumes to b	e entered as: ACRE-F	FEET PER YEAR		
To select the co	orrect data grading for each input, d	letermine the	e highest grade where			
the util	lity meets or exceeds <u>all</u> criteria for t	•	•	in column 'E' and 'J'	Master Meter and Supply Error Adjustments -> Pcnt: Value:	S
WATER SUPPLIED	Volume from own sources: +	? 5	9,802.000			acre-ft/yr
	Water imported: + Water exported: +	?n/a ?n/a	0.000	acre-ft/yr + ?		acre-ft/yr acre-ft/yr
	Water exported.	? n/a	0.000		Enter negative % or value for under-registra	
	WATER SUPPLIED:		9,802.000	acre-ft/yr	Enter positive % or value for over-registration	on
AUTHORIZED CONSUMPTION					Click here: ?	
	Billed metered: + Billed unmetered: +	? <u>6</u> ?10	9,237.000 0.000		for help using option buttons below	
	Unbilled metered:		5.000		Pcnt: Value:	
	Unbilled unmetered: +	? 7	76.000	acre-ft/yr	76.000	acre-ft/yr
	AUTHORIZED CONSUMPTION:	?	9,318.000	acre-ft/yr	Use buttons to select percentage of water supplied	
WATER LOSSES (Water Supplied - A	uthorized Consumption)		484.000	acre-ft/yr	- <u>OR</u> value	
Apparent Losses					Pcnt: <u> </u> Value:	
	Unauthorized consumption: -			acre-ft/yr	0.25%	acre-ft/yr
	selected for unauthorized consur				2.00%	6 /
	Customer metering inaccuracies: + Systematic data handling errors: +			acre-ft/yr acre-ft/yr		acre-ft/yr acre-ft/yr
Default opti	ion selected for Systematic data h				Ł	
	Apparent Losses:	?	236.210	acre-ft/yr		
Real Losses (Current Annual Real Lo	osses or CARL)					
Real Losses = Wa	ter Losses - Apparent Losses:	?	247.790	-		
		?	247.790 484.000	-		
Real Losses = Wa	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER:	?		acre-ft/yr		
NON-REVENUE WATER	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER:	<u> </u>	484.000	acre-ft/yr		
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains:	?	484.000 565.000 242.0	acre-ft/yr acre-ft/yr		
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered	? ? ? 10	484.000 565.000 242.0 6,398	acre-ft/yr acre-ft/yr		
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of <u>active Al</u>	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density:	?	484.000 565.000 242.0 6,398 26	acre-ft/yr acre-ft/yr miles		
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of <u>active Al</u> Are customer meters typically located	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: MD inactive service connections: Service connection density: at the curbstop or property line?	? ? ? 10	484.000 565.000 242.0 6,398	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin	ite, <u>beyond</u> the property a responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of <u>active Al</u> Are customer meters typically located <u>Average</u>	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? length of customer service line: • Istomer service line has been set	? ? 9 ? 10 ? to zero and	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the e of 10 has been applied	ie, <u>beyond</u> the property e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of <u>active Al</u> Are customer meters typically located <u>Average</u>	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? g length of customer service line: •	? ? 9 ? 10 ? to zero and	484.000 565.000 242.0 6,398 26 Yes	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the e of 10 has been applied	ie, <u>beyond</u> the property e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of <u>active Al</u> Are customer meters typically located <u>Average</u>	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? length of customer service line: • Istomer service line has been set	? ? 9 ? 10 ? to zero and	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the e of 10 has been applied	le, <u>beyond</u> the property e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active Al Are customer meters typically located Average Average length of cu COST DATA	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? length of customer service line: • Istomer service line has been set	2 2 9 10 7 10 7 10 7 8	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi	ie, <u>beyond</u> the property e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active Al Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? length of customer service line: • Length of customer service line: • Length of customer service line: • Lost of operating water system: • ost (applied to Apparent Losses): •	2 2 9 2 10 2 10 2 10 2 10 2 8 10 2 8 10 7 9	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf)	e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active Al Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? g length of customer service line: • ustomer service line has been set Average operating pressure: •	2 2 9 2 10 2 10 2 10 2 10 2 8 10 2 8 10 7 9	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf)	ie, <u>beyond</u> the property e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active Al Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co Variable production	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: ND inactive service connections: Service connection density: at the curbstop or property line? a length of customer service line: Justomer service line has been set Average operating pressure: I cost of operating water system: on cost (applied to Real Losses):	2 2 9 2 10 2 10 2 10 2 10 2 8 10 2 8 10 7 9	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf)	e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active Al Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: MD inactive service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: st (applied to Apparent Losses): on cost (applied to Real Losses):	2 2 9 10 2 10 2 5 2 8 2 8 2 6 2 9 10 2 10 2 8 2 8 2 6 2 6 2 10 10 10 10 10 10 10 10 10 10	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	e responsibility of the utility)	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active All Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co Variable production WATER AUDIT DATA VALIDITY SCORE	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: • ND inactive service connections: • Service connection density: at the curbstop or property line? e length of customer service line: • ustomer service line has been set Average operating pressure: • I cost of operating water system: • on cost (applied to Apparent Losses): •	2 2 9 10 7 10 7 10 7 8 7 8 7 8 9 6 7 9 6 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 **	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active Al Are customer meters typically located Average length of cu Average length of cu COST DATA Total annual Customer retail unit co Variable production WATER AUDIT DATA VALIDITY SCORE A weighted	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered Length of mains: MD inactive service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: st (applied to Apparent Losses): on cost (applied to Real Losses):	2 2 9 10 7 10 7 10 7 8 7 8 7 8 9 6 7 9 6 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 **	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active AI Are customer meters typically located Average length of cu Average length of cu COST DATA Total annual Customer retail unit co Variable production Average length of cu Average length of cu Average length of cu Customer retail unit co Variable production Average length of cu Variable production	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered <u>ND inactive</u> service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: set (applied to Apparent Losses): on cost (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): we have a set the components of consumpting the component of consumpting the component of components of consumpting the component of consumpting th	2 9 7 10 10 7 10 10 7 10 10 7 10 10 7 10 10 10 10 10 10 10 10 10 10	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 ** loss is included in the ca	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active AI Are customer meters typically located Average length of cu Average length of cu COST DATA Total annual Customer retail unit co Variable production A weighted PRIORITY AREAS FOR ATTENTION: Based on the information provided, audit and	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered <u>ND inactive</u> service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: set (applied to Apparent Losses): on cost (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): we have a set the components of consumpting the component of consumpting the component of components of consumpting the component of consumpting th	2 9 7 10 10 7 10 10 7 10 10 7 10 10 7 10 10 10 10 10 10 10 10 10 10	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 ** loss is included in the ca	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active All Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co Variable production WATER AUDIT DATA VALIDITY SCORE A weighted PRIORITY AREAS FOR ATTENTION: Based on the information provided, audit and 1: Volume from own sources	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered <u>ND inactive</u> service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: set (applied to Apparent Losses): on cost (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): we have a set the components of consumpting the component of consumpting the component of components of consumpting the component of consumpting th	2 9 7 10 10 7 10 10 7 10 10 7 10 10 7 10 10 10 10 10 10 10 10 10 10	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 ** loss is included in the ca	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active AI Are customer meters typically located Average length of cu Average length of cu COST DATA Total annual Customer retail unit co Variable production A weighted PRIORITY AREAS FOR ATTENTION: Based on the information provided, audit and	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered <u>ND inactive</u> service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: set (applied to Apparent Losses): on cost (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): we have a set the components of consumpting the component of consumpting the component of components of consumpting the component of consumpting th	2 9 7 10 10 7 10 10 7 10 10 7 10 10 7 10 10 10 10 10 10 10 10 10 10	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 ** loss is included in the ca	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbill SYSTEM DATA Number of active All Are customer meters typically located Average Average length of cu COST DATA Total annual Customer retail unit co Variable production WATER AUDIT DATA VALIDITY SCORE A weighted PRIORITY AREAS FOR ATTENTION: Based on the information provided, audit and 1: Volume from own sources	ter Losses - Apparent Losses: WATER LOSSES: NON-REVENUE WATER: led Unmetered <u>ND inactive</u> service connections: Service connection density: at the curbstop or property line? a length of customer service line: Average operating pressure: Losst of operating water system: set (applied to Apparent Losses): on cost (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): set (applied to Real Losses): we have a set the components of consumpting the component of consumpting the component of components of consumpting the component of consumpting th	2 9 7 10 10 7 10 10 7 10 10 7 10 10 7 10 10 10 10 10 10 10 10 10 10	484.000 565.000 242.0 6,398 26 Yes 4 a data grading score 72.0 \$4,976,212 \$0.46 \$174.89 RE IS: 66 out of 100 ** loss is included in the ca	acre-ft/yr acre-ft/yr miles conn./mile main (length of service lin boundary, that is the of 10 has been applied psi \$/Year \$/100 cubic feet (ccf) \$/acre-ft Use Cu	a responsibility of the utility) ustomer Retail Unit Cost to value real losses	

AWWA Free Water Audit Software: <u>Reporting Worksheet</u>				WAS v5.0 American Water Works Associatio
Click to access Water Audit Report for: Bella Vista Water District (4510014) Click to add a comment 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 <u>all</u> criteria for that grade and all grades below it. Master Meter and Supply Error Adjustments				
WATER SUPPLIED	•	•	in column 'E' and 'J'	
Volume from own sources Water imported		11,268.000		4 0 0 acre-ft/y
Water imported Water exported				acre-ft/y
WATER SUPPLIED		11,268.000	acre-ft/vr	Enter negative % or value for under-registration Enter positive % or value for over-registration
AUTHORIZED CONSUMPTION				Click here: ?
Billed metered		10,258.160		for help using option buttons below
Billed unmetered Unbilled metered		0.000		Pcnt: Value:
Unbilled unmetered			acre-ft/yr	1.25% O acre-ft/y
Default option selected for Unbilled un				▲ · · · · · · · · · · · · · · · · · · ·
AUTHORIZED CONSUMPTION	?	10,403.510	acre-ft/yr	Use buttons to select percentage of water supplied OR
WATER LOSSES (Water Supplied - Authorized Consumption)		864.490	acre-ft/yr	value
Apparent Losses				Pcnt: <u> </u>
Unauthorized consumption			acre-ft/yr	0.25% • acre-ft/y
Default option selected for unauthorized cor Customer metering inaccuracies			acre-ft/yr	2.00%
Systematic data handling errors			acre-ft/yr	0.25% (C (acre-ft/y
Default option selected for Systematic da	ta handling e	rrors - a grading of 5 is	applied but not displaye	d
Apparent Losses	?	263.257	acre-ft/yr	
Real Losses (Current Annual Real Losses or CARL)				
Real Losses = Water Losses - Apparent Losses			acre-ft/yr	
WATER LOSSES		864.490	acre-ft/yr	
NON-REVENUE WATER = Water Losses + Unbilled Metered + Unbilled Unmetered	?	1,009.840	acre-ft/yr	
SYSTEM DATA				
Length of mains		242.0	miles	
Number of <u>active AND inactive</u> service connections Service connection density		6,398 26	conn./mile main	
Are customer meters typically located at the curbstop or property line?		Yes	(length of service line	e, beyond the property boundary,
Average length of customer service line: + ? 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 length of customer service internas been Average operating pressure				
COST DATA	_			
Total annual cost of operating water system				
Customer retail unit cost (applied to Apparent Losses) Variable production cost (applied to Real Losses)			\$/100 cubic feet (ccf) \$/acre-ft Use Custo	mer 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		5 · ····		
2: Billed metered	1			
3: Customer metering inaccuracies	1			