Appendix E
Standardized Tables and
SBX 7-7 Verification Form

Active standardized tables are not yet available for distribution. PDF versions of each table are found throughout the Guidebook.

The SBX7-7 Verification Form is found in the accompanying excel spreadsheet, entitled App E SBX7-7 Verification Form.

Include GIS map(s) with the following boundaries:

1. Service Area Boundary – this boundary includes three water distribution system boundaries, to the extent that an agency has both systems:

o Potable water distribution system boundary - The boundary containing the distribution system(s) of the agency's Public Water System(s). Exclude any entity that is completely supplied by a private source or another water supplier.

o Raw water distribution system boundary (optional)– The boundary containing the raw water distribution system, as applicable. Note that this does not include any recycled water system.

o Recycled water distribution system boundary -(optional) Inclusion of the recycled water distribution system boundary (for agencies with a recycled water distribution system) is not required in order to verify compliance with SBX7-7, nor by the CWC. However, DWR requests that agencies with recycled water systems include a map with the UWMP. See Chapter 6, Section 6.5.3 for guidance.

2. Jurisdictional Boundary - This boundary includes the potable and non-potable distribution system boundary(ies) and any additional areas that fall within the water suppliers jurisdiction. For some suppliers, the jurisdictional boundary will be the same as Service Area boundary.

3. Municipal Boundary(ies) - The boundary of any City or Census Designated Place that intersects with the service area boundary. This will demonstrate the overlap of the service area with municipal boundaries, as needed for Section 4.3 Determine Service Area Population.

BOUNDARY CHANGES - If changes to any of the above boundaries occurred during the baseline period, or between the baseline period and 2015, agencies must submit boundaries for 1990, 2000, 2010, and/or 2015, as needed to reflect these changes. *See Methodology 1, Step 2 in Methodologies for details on changes to service area.*

SBX Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year	2008 total water deliveries		
	2008 total volume of delivered recycled water		
	2008 recycled water as a percent of total deliveries		percent

baseline period	Number of years in baseline period[1]		years
	Year beginning baseline period range		
	Year ending baseline period range[2]		
5-year baseline period	Number of years in baseline period	5	years
	Year beginning baseline period range		
	Year ending baseline period range[3]		

[1] If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.

[2] The ending year must be between December 31, 2004 and December 31, 2010.

[3] The ending year must be between December 31, 2007 and December 31, 2010.

Filled in from population tool
Filled in by user (water agency)

SBX7-7 Table 2: Method for Population Estimates		
Method Used to Determine Population (may check more than one)		
☐	**Department of Finance** (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available	
☐	**DWR Population Tool**	
☐	**Persons per Connection** Complete Table 3-A to Determine Whether to Use "Residential" or "Multi and Single Family" CHOOSE ONE:	
	☐	**Persons per Residential Connection** SBX Tables 3B.1 and 3B.2
	☐	**Persons per Multi and Single Family Connection** SBX Tables 3C.1 and 3C.2
☐	**Other** DWR recommends pre-review	

User fills this	From Census (DWR Population Tool)

SBX7-7 Table 3: Service Area Population			
Year		**Population**	**Notes**
10 to 15 Year Baseline Population			
Year 1		**Depending on the method used, this column is filled from either:** 1. DOF tables (copied in tabs of this worksheet) 2. DWR Online mapping and population tool 3.Table 3-B.2, "Persons-per-Residential-Connection"	Open field for text
Year 2			
Year 3			
Year 4			
Year 5			
Year 6			
Year 7			
Year 8			
Year 9			
Year 10			

Year 11		4. Table 3-C.2, "Persons-per-SF and MF Connection" 5. Manually filled if using "Other" Method	
Year 12			
Year 13			
Year 14			
Year 15			
5 Year Baseline Population			
Year 1		Same as above	Open field for text
Year 2			
Year 3			
Year 4			
Year 5			
2015 Compliance Year Population			
2015		Same as above	Open text

SBX7-7 Table 3-A: Persons- per - Connection : Determine Required Tables					
Step 1: Data Availability					
Y/N	Does the agency have data on the number of MF and SF connections for each of the baseline years?				If **NO**, agency does not complete the rest of this table and moves to SBX Tables 3-B.1 and 3-B.2 If **YES**, agency continues filling out this table
Step 2: Change in Percentage of Multi-Family Population					
Year	**Population in MF/GQ Housing**	**Population in SF Housing**	**Percentage of Population in MF or GQ Housing**	**Change in Population in MF or GQ Housing**	**Reporting Requirement and Associated Tables**
1990	From Census block group	From Census block group	calculate percentage		*The tables that the agency will be required to fill out will display automatically in this field. If Column E is above threshold (threshold to be determiend) agency must complete Tables 3-C.1 and 3-C.2. If Column E is below*
2000	From Census block group	From Census block group	calculate percentage	calculate change from 1990-2000	

2010	From Census block group	From Census block group	calculate percentage	calculate change from 2000-2010	*threshold*, agency must complete Tables 3-B.1 and 3-B.2.*

SBX 7-7 Table 3-B.1: Persons per Residential Connection

Year	Service Area Population (B)	# of Residential Connections (C)	Persons per Residential Connection (B)/(C)
1990	From Census (Block Level)		*calculate*
1991			Interpolate the values between 1990 and 2000 for each of these years
1992			
1993			
1994			
1995			
1996			
1997			
1998			
1999			
2000	From Census (Block Level)		*calculate*
2001			Interpolate the values between 2000 and 2010 for each of these years
2002			
2003			
2004			
2005			
2006			
2007			
2008			
2009			
2010	From Census (Block Level)		*calculate*
2015			Same as 2010

SBX7-7 Table 3-B.2: Persons-Per-Residential- Connection				
		Column C	Column D	
Year		**# Residential Connections** *(multi, single family and GQ combined)*	**Persons per Residential Connection**	**Population for non-census years**
10 to 15 Year Baseline Population Calculations				
Year 1	**FOR EACH YEAR** Fm Table 3, Column B		**FOR EACH YEAR** From Table 3-B.1 Column D	(Column C) X (Column D)
Year 2				(Column C) X (Column D)
Year 3				(Column C) X (Column D)
Year 4				(Column C) X (Column D)
Year 5				(Column C) X (Column D)
Year 6				(Column C) X (Column D)
Year 7				(Column C) X (Column D)
Year 8				(Column C) X (Column D)
Year 9				(Column C) X (Column D)
Year 10				(Column C) X (Column D)
Year 11				(Column C) X (Column D)
Year 12				(Column C) X (Column D)
Year 13				(Column C) X (Column D)
Year 14				(Column C) X (Column D)
Year 15				(Column C) X (Column D)
5 Year Baseline Population Calculations				
Year 1	**FOR EACH YEAR** Fm Table 3, Column B		**FOR EACH YEAR** From table 3-B.1 Column D	(Column C) X (Column D)
Year 2				(Column C) X (Column D)
Year 3				(Column C) X (Column D)
Year 4				(Column C) X (Column D)
Year 5				(Column C) X (Column D)
2015 Compliance Year Population Calculations				

2015		From table 3-B.1 Column D	(Column C) X (Column D)

SBX 7-7 Table 3-C.1: Persons-Per-Multi and Single Family-Connection

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to MF Po

Year	CENSUS BLOCK GROUP LEVEL			CENSUS BLOCK LEVEL					
	Population in SF Housing	Total Population	% Population in SF Housing Column B/ Column C	Service Area Population	Population in SF Housing (Column E) X (Column D)	Population in MF/GQ Housing (Column E) - (Column F)	# SF Connections	#MF/QC Connections	Persons per SF Connection (Column F)/ (Column H)
	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	
1990 If available digitally			*calculate*		*calculate*	*calculate*			*calculate*
1991									Interpolate between 1990 and 2000
1992									
1993									
1994									
1995									
1996									
1997									
1998									
1999									
2000			*calculate*		*calculate*	*calculate*			*calculate*
2001									Interpolate between 2000 and 2010
2002									
2003									
2004									
2005									
2006									
2007									
2008									
2009									
2010			*calculate*		*calculate*	*calculate*			*calculate*

2015		Use same as 2010

SBX7-7 Table 3-C.2: Service Area Population Using Persons-Per-Multi and Single Family Connection Method

Year		# SF Connections	# MF/GQ Connections	Persons per SF Connection	Persons per MF/GQ Connection	SF Population	MF/GQ Population	Total Population for each year
10 to 15 Year Baseline Population Calculations								
Year 1	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 2	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 3	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 4	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 5	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 6	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 7	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 8	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 9	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 10	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 11	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 12	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 13	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 14	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)

Year 15	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
5 Year Baseline Population Calculations								
Year 1	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 2	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 3	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 4	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
Year 5	From fm SBX Table 3 Column B			From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)
2015 Compliance Year Population Calculations								
2015				From Table 3-C.1 Column J	From Table 3-C.1 Column K	(Column C) X (Column E)	Column D) X (Column F)	(Column G) + (Column H)

ON: Group ulation added pulation.
Persons per MF/GQ Connection (Column G)/ (Column I)
calculate
Interpolate between 1990 and 2000
calculate
Interpolate between 2000 and 2010
calculate

Use same as 2010

SBX7-7 Table 4: Gross Water Use									
			Deductions						
	Baseline Year	Volume Into Distribution System	Recycled Water	Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water	Water Delivered for Agricultural Use	Process Water	**Gross Water Use**
10 to 15 Year Baseline - Gross Water Use									
Year 1	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	**FOR EACH YEAR** (Column C) - (Column D + Column E + Column F + Column G + Column H + Column I)
Year 2	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 3	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 4	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 5	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 6	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 7	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 8	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 9	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 10	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 11	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 12	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 13	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 14	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 15	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
10 - 15 year baseline average gross water use								SUM (J5:J19)/ (Number of years in 10-15 Yr Baseline Period)	

5 Year Baseline - Gross Water Use									
Year 1	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	**FOR EACH YEAR** (Column C) - (Column D + Column E + Column F + Column G + Column H + Column I)
Year 2	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 3	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 4	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
Year 5	fm Table 3 Column B	fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	
5 year baseline average gross water use								SUM (J22:J26)/ (Number of years in 5 Yr Baseline Period)	
2015 Compliance Year - Gross Water Use									
2015		fm Table 4A Column K				fm Table 4B Column O		fm Table 4-D Column H	*(Column C) - (Column D + Column E + Column F + Column G + Column H + Column I)*

SBX7-7 Table 4-A: Volume Entering the Distribution System(s) *This table may be expandable to allow for more than one distribution system*

Year		Agency's Own Water Sources				Purchased Water Sources				**Total Water into Distribution System**
		Name of Source	Volume from Own Sources	Meter Error Adjustment* *Optional*	Corrected Volume from Own Sources	Name of Source	Volume from Purchased Sources	Meter Error Adjustment* *Optional*	Corrected Volume from Purchased Sources	
10 to 15 Year Baseline - Water into Distribution System(s)										
Year 1	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
	autofill fm	allow for entry of more than one source for any year				allow for entry of more than one source for any year				
Year 2	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)

Year 3	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 4	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 5	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 6	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 7	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 8	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 9	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 10	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 11	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 12	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 13	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 14	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 15	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
5 Year Baseline - Water into Distribution System(s)										
Year 1	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 2	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 3	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 4	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
Year 5	fm Table 3 Column B				Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
2015 Compliance Year - Water into Distribution System										
2015					Column D +/- Column E				Column H +/- Column I	(Column F) + (Column J)
** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*										

SBX7-7 Table 4-B: Indirect Recycled Water Use Deduction *(For Use only by Agencies that are Deducting Indirect Recycled Wa*

		Surface Reservoir Augmentation					Groundwater Rech			
Year		Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Volume Entering Distribution System from Surface Reservoir Augmentation	5-Year Annual Average Recharge	Percent Recycled Water	Recycled Water Pumped from Basin	Utility Pumping as % of Basin Total
10 - 15 Year Baseline - Indirect Recycled Water Use										
Year 1	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 2	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 3	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 4	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 5	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 6	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 7	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 8	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 9	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 10	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 11	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 12	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 13	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 14	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 15	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	

5 Year Baseline - Indirect Recycled Water Use										
Year 1	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 2	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 3	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 4	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
Year 5	fm Table 3 Column B			(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	
2015 Compliance - Indirect Recycled Water Use										
2015				(Column C) X Column D)		(Column E) - (Column F)			(Column H) X (Column I)	

SBX7-7 Table 4-C: Process Water Deduction Eligibility Choose One *(For Use only by Agencies that are Deducting Indirect Recycled Water)*	
☐	Criteria 1- Industrial water use equal to or greater than 12% of gross water use Table 4-C.1
☐	Criteria 2 Industrial water use equal to or greater than 15 GPCD Table 4-C.2
☐	Criteria 3 Non-industrial use equal to or less than 120 GPCD Table 4-C.3
☐	Criteria 4 Disadvantaged Community Table 4-C.4

SBX7-7 Table 4-C.1: Process Water Deduction Eligibility *(For Use only by Agencies that are Deducting Indirect Recycled Water)*				
Criteria 1 Industrial water use equal to or greater than 12% of gross water use				
Year	Gross Water Use Without Process Water Deduction	Industrial Water Use	Percent Industrial Water	Eligible for Exclusion Y/N

10 to 15 Year Baseline - Process Water Deduction Eligibility					
Year 1	fm Table 3 Column B	**FOR EACH YEAR** FROM TABLE 4 (Column C) - (Column D + Column E + Column F + Column G + Column H)		(Column D) / (Column C)	**FOR EACH YEAR** **YES** if industrial water use = or greater thant 12% of gross water use. **NO** if other.
Year 2	fm Table 3 Column B			(Column D) / (Column C)	
Year 3	fm Table 3 Column B			(Column D) / (Column C)	
Year 4	fm Table 3 Column B			(Column D) / (Column C)	
Year 5	fm Table 3 Column B			(Column D) / (Column C)	
Year 6	fm Table 3 Column B			(Column D) / (Column C)	
Year 7	fm Table 3 Column B			(Column D) / (Column C)	
Year 8	fm Table 3 Column B			(Column D) / (Column C)	
Year 9	fm Table 3 Column B			(Column D) / (Column C)	
Year 10	fm Table 3 Column B			(Column D) / (Column C)	
Year 11	fm Table 3 Column B			(Column D) / (Column C)	
Year 12	fm Table 3 Column B			(Column D) / (Column C)	
Year 13	fm Table 3 Column B			(Column D) / (Column C)	
Year 14	fm Table 3 Column B			(Column D) / (Column C)	
Year 15	fm Table 3 Column B			(Column D) / (Column C)	

5 Year Baseline - Process Water Deduction Eligibility					
Year 1	fm Table 3 Column B	**FOR EACH YEAR** FROM TABLE 4 (Column C) - (Column D + Column E + Column F + Column G +		(Column D) / (Column C)	**FOR EACH YEAR** **YES** if industrial water use = or greater thant 12% of gross water use. **NO** if other.
Year 2	fm Table 3 Column B			(Column D) / (Column C)	
Year 3	fm Table 3 Column B			(Column D) / (Column C)	
Year 4	fm Table 3 Column B			(Column D) / (Column C)	

Year 5	fm Table 3 Column B	Column H)		(Column D) / (Column C)	
2015 Compliance Year - Process Water Deduction Eligiblity					
2015		FROM TABLE 4 (Column C) - (Column D + Column E + Column F + Column G + Column H)		(Column D) / (Column C)	**YES** if industrial water use = or greater thant 12% of gross water use. **NO** if other.

SBX7-7 Table 4-C.2: Process Water Deduction Eligibility *(For Use only by Agencies that are Deducting Indirect Recycled Water)*

Criteria 2 Industrial water use equal to or greater than 15 GPCD

Year		Industrial Water Use	Population	Industrial GPCD	Eligible for Exclusion Y/N
10 to 15 Year Baseline - Process Water Deduction Eligibility					
Year 1	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	**FOR EACH YEAR** **YES** if Column E = or greater than 15. **NO** if other.
Year 2	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 3	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 4	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 5	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 6	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 7	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 8	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 9	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 10	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	

Year 11	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 12	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 13	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 14	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 15	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
5 Year Baseline - Process Water Deduction Eligibility					
Year 1	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	**FOR EACH YEAR** **YES** if Column E = or greater than 15. **NO** if other.
Year 2	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 3	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 4	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
Year 5	fm Table 3 Column B		fm Table 3 Column C	(Column C)/ (Column D)	
2015 Compliance Year - Process Water Deduction Eligibility					
2015	fm Table 3 Column C		fm Table 3 Column C	(Column C)/ (Column D)	YES if Column E = or greater than 15. NO if other.

SBX7-7 Table 4-C.3: Process Water Deduction Eligibility *(For Use only by Agencies that are Deducting Indirect Recycled Water)*

Criteria 3 Non-industrial use equal to or less than 120 GPCD

Year	Gross Water Use Without Process Water Deduction	Industrial Water Use	Non-industrial Water Use	Population	Non-Industrial GPCD	Eligible for Exclusion Y/N

10 to 15 Year Baseline - Process Water Deduction Eligibility

Year 1	fm Table 3 Column B	**FOR EACH YEAR** FROM TABLE 4 (Column C) - (Column D + Column E + Column F + Column G + Column H)		(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	**FOR EACH YEAR** **YES** if Column G = or less than 120. **NO** if other.
Year 2	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 3	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 4	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 5	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 6	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 7	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 8	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 9	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 10	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 11	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 12	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 13	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 14	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 15	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	

5 Year Baseline - Process Water Deduction Eligibility

Year 1	fm Table 3 Column B	**FOR EACH YEAR** FROM TABLE 4 (Column C) - (Column D + Column E + Column F + Column G +		(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	**FOR EACH YEAR** **YES** if Column G = or less than 120. **NO** if other.
Year 2	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 3	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
Year 4	fm Table 3 Column B			(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	

Year 5	fm Table 3 Column B	Column H)		(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	
2015 Compliance Year - Process Water Deduction Eligiblity							
2015		FROM TABLE 4 (Column C) - (Column D + Column E + Column F + Column G + Column H)		(Column C) - (Column D)	fm Table 3 Column C	(Column E)/ (Column F)	**YES** if Column G = or less than 120. **NO** if other.

SBX7-7 Table 4-C.4: Process Water Deduction Eligibility *(For Use only by Agencies that are Deducting Indirect Recycled Water)*

Criteria 4 Disadvantaged Community (Use IRWM DAC Mapping tool
http://www.water.ca.gov/irwm/grants/resources_dac.cfm)

California Median Household Income		Service Area Median Household Income	Percentage of Statewide Average	Eligible for Exclusion? Y/N
2015 Compliance Year - Process Water Deduction Eligibility				
2010	$53,046		(Column C) / (Column B)	**YES** if Column D = or less than 80. **No** if other.

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

SBX7-7 Table 4-D: Process Water Deduction - Volume *(For Use only by Agencies that are Deducting Indirect Recycled Water)*

Year		Type of Industrial Customer	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
10 to 15 Year Baseline - Process Water Deduction							
Year 1	fm Table 3 Column B	*Customer 1*			(Column E) / (Column D)		(Column F) X (Column G)
Expandable so that multiple industrial customers may be entered for any given year.							
Year 2	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 3	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 4	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 5	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 6	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 7	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 8	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 9	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 10	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 11	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 12	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 13	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 14	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 15	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
5 Year Baseline - Process Water Deduction							
Year 1	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 2	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)

Year 3	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 4	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
Year 5	fm Table 3 Column B				(Column E) / (Column D)		(Column F) X (Column G)
2015 Compliance Year - Process Water Deduction							
2015					(Column E) / (Column D)		(Column F) X (Column G)

MUST IDENTIFY UNITS OF MEASURE

User Fills this Cell

ater)			
arge			TOTAL
Recycled Water Pumped by Utility	Transmission/ Treatment Losses	Volume Entering Distribution System from Groundwater Recharge	Total Deductible Volume of Indirect Recycled Water Use Entering the Distribution System
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)

(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)
(Column J) X (Column K)		(Column L) - (Column M)	SUM(Column G + Column N)

SBX7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Years		Service Area Population	Gross Water Use	Daily Per Capita Water Use
10 to 15 Year Baseline GPCD				
Year 1	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 2	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 3	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 4	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 5	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 6	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 7	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 8	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 9	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 10	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 11	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 12	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 13	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 14	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 15	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
10-15 Year Average Baseline GPCD				**Average of all years above**
5 Year Baseline GPCD				
Years		Service Area Population	Gross Water Use	Daily Per Capita Water Use

Year 1	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 2	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 3	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 4	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
Year 5	fm Table 3 Column B	fm Table 3 Column C	fm SBX Table 4 Column J	(Column D) / (Column C)
5 Year Average Baseline GPCD				**Average of all years above**
2015 Compliance Year GPCD				
2015		*fm Table 3 Column C*	*fm SBX Table 4 Column J*	*(Column D) / (Column C)*

SBX7-7 Table 6: Gallons per Capita per Day Summary	
10-15 Year Baseline GPCD	from Table 4, Cell E19
5 Year Baseline GPCD	from Table 4-5 Cell E 27
2015 Compliance Year GPCD	from Table 4-5 Cell E 29

SBX7-7 Table 7: 2020 Target Method Only One		Select
Target Method		Supporting Documentation
☐	Method 1	SBX Table 7A
☐	Method 2	SBX Tables 7B, 7C and 7D
☐	Method 3	SBX Table 7-E
☐	Method 4	Method 4 Calculator

SBX7-7 Table 7-A: Target Method 1	
10-15 Year Baseline GPCD	20% Reduced
from Table 4, Cell E19	(Column A) X 20%

SBX7-7 Table 7-B: Target Method 2, Efficient Landscape Water Use							
Category of Parcel Size in Sq Ft *drop down*	# of Parcels	Total Parcel Area	Landscape Area % *fm sampling*	**Total Landscape Area**	MWELO Irrigation Standard *drop down*	Annual ET	Water Budget
0 - 4,000					Landscaped pre-2010		*auto calculate*
4,000 - 8,000					Landscaped post 2010		*auto calculate*
8,000 - 12,000					Special Landscaped Area		*auto calculate*

12,000 - 16,000					Each of these three standards has a water factor		*auto calculate*
16,000 - 20,000							*auto calculate*
20,000 - 24,000							*auto calculate*
Greater than 24,000							*auto calculate*
Special Landscape Area (SLA)							
					Service Area Landscape Water Budget (Gallons/Year)		*auto calculate*
					Compliance Year Population		*fm SBX Table 3*
					Landscape WaterBudget (GPCD)		*auto calculate*

SBX7-7 Table 7-C: Target Method 2, Efficient CII Water Use

Baseline Year	**(1)** CII Water Use (AF)	**(2)** Process Water Exclusion (AF) *(Optional)*	**(3)** Population	**[(1) - (2)] / (3)** CII GPCD
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	**FOR EACH YEAR** (Column B - Column C) /
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	

fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	Column C) / Column D
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
fm Table 3 Column B		from Table 4 Column I	fm Table 3 Column C	
Average Annual 10 to 15 Year Baseline CII Water Use (GPCD)				Average of all Years Above
10% Reduction				Cell E43 X 10%
2020 Target CII Water Use				Cell E43 - Cell E44
NOTE: CII water use for each year of the baseline period must be provided.				

SBX7-7 Table 7-D: Target Method 2 Summary

Sector		2020 GPCD
Efficient Indoor Residential Water Use		55
Efficient Landscape Water Use		from Table 7-B Cell H23
Efficient CII Water Use		fm Table 7-C Cell E45
Method 2, 2020 Target		***Auto Sum***

SBX7-7 Table 7-E: Target Method 3

Agency May Select More Than One as Applicable	Hydrologic Region	Percentage of Service Area in This Hydrological Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)	Agency's 2020 Target Using Method 3
☐	North Coast		137	130	(Column E) X (Column F)
☐	North Lahontan		173	164	(Column E) X (Column F)

☐	Sacramento River		176	167	(Column E) X (Column F)
☐	San Francisco Bay		131	124	(Column E) X (Column F)
☐	San Joaquin Rover		174	165	(Column E) X (Column F)
☐	Central Coast		123	117	(Column E) X (Column F)
☐	Tulare Lake		188	179	(Column E) X (Column F)
☐	South Lahontan		170	162	(Column E) X (Column F)
☐	South Coast		149	142	(Column E) X (Column F)
☐	Colorado River		211	200	(Column E) X (Column F)

SBX7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD	Maximum 2020 Target*	Calculated 2020 Target	Confirmed 2020 Target
fm SBX Table 6	Column) A) X 95%	Autofill fm appropriate table, based on target method used	Column C or Column B, whichever is lower

** Maximum 2020 Target is 95% of the 5 Year Baseline GPCD*

SBX7-7 Table 8: 2015 Interim Target

Confirmed 2020 Target	10-15 year Baseline GPCD	2015 Interim Target GPCD
fm Table 7-F	fm Table 6	midpoint between columns A and B

SBX7-7 Table 9: 2015 Compliance				
		Adjustments		
2015 Interim Target GPCD	2015 Actual GPCD	Weather Normalization	Economic Adjustment	In Compliance? Y/N
Fm Table 8	fm Table 5 Cell E29	fm Table 9A pending	fm SBX Table 9B pending	**YES** if column B = or less than Column A. **NO** if other.

SBX7-7 Table 9A: Weather Normalization for 2015
Table and Methodology Pending

SBX7-7 Table 9B: Economic Normalization for 2015
Table and Methodology Pending