

**Submittal Table 2-1 Retail Only: Public Water Systems**

Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
<i>Add additional rows as needed</i>			
CA5010018	RIVERBANK, CITY OF	6853	3,932
<b>TOTAL</b>		6,853	3,932

**\* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES: Volume units are in acre-feet (AF).

**Submittal Table 2-2: Plan Identification**

Select Only One	Type of Plan		Name of RUWMP or Regional Alliance <i>if applicable</i> (select from drop down list)
<input checked="" type="checkbox"/>	<b>Individual UWMP</b>		
	<input type="checkbox"/>	Water Supplier is also a member of a RUWMP	
	<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance	
<input type="checkbox"/>	<b>Regional Urban Water Management Plan (RUWMP)</b>		

NOTES:

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
<input type="checkbox"/>	Supplier is a wholesaler
<input checked="" type="checkbox"/>	Supplier is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables are in calendar years
<input type="checkbox"/>	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP * (select from drop down)	
Unit	AF
* <b>Units of measure (AF, CCF, MG)</b> must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES:	

**Submittal Table 2-4 Retail: Water Supplier Information Exchange**

The retail Supplier has informed the following wholesale supplier(s) of projected water use in accordance with Water Code Section 10631.

Wholesale Water Supplier Name

*Add additional rows as needed*

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NOTES: The City of Riverbank does not rely upon a wholesale agency for water supply.

**Submittal Table 3-1 Retail: Population - Current and Projected**

Population Served	2020	2025	2030	2035	2040	2045(opt)
	25,133	26,390	27,709	29,095	30,549	

NOTES: CA DOF population estimate for the year 2020 used. DOF straight-line percentage change for the City of Riverbank for the years 2010 to 2020 was 1.0%. Future projections are applied at this rate.

**Submittal Table 4-1 Retail: Demands for Potable and Non-Potable<sup>1</sup> Water - Actual**

Use Type	2020 Actual		
<p><b>Drop down list</b>                      May select each use multiple times                      These are the only Use Types that will be recognized by the WUEdata online submittal tool</p>	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume <sup>2</sup>
Add additional rows as needed			
Single Family		Drinking Water	3,581
Multi-Family		Drinking Water	-
Commercial		Drinking Water	224
Industrial		Drinking Water	9
Institutional/Governmental		Drinking Water	117
Losses			493
<b>TOTAL</b>			4,425

<sup>1</sup> Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4. <sup>2</sup>  
 Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES: Residential end use is not categorized by Single Family or Multi-Family use, only residential use. All volumes are in AF.

**Submittal Table 4-2 Retail: Use for Potable and Non-Potable<sup>1</sup> Water - Projected**

Use Type	Additional Description (as needed)	Projected Water Use <sup>2</sup> <i>Report To the Extent that Records are Available</i>				
<u>Drop down list</u> May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2025	2030	2035	2040	2045 (opt)
<i>Add additional rows as needed</i>						
Single Family		3,760	3,940	4,119	4,298	
Multi-Family		-	-	-	-	
Commercial		235	246	257	269	
Institutional/Governmental		9	10	10	11	
Industrial		123	129	135	141	
Losses		518	542	567	591	
<b>TOTAL</b>		4,646	4,867	5,088	5,309	0

<sup>1</sup> Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.  
 Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES: Residential end use is not categorized by Single Family or Multi-Family use, only residential use. All volumes are in AF.

**Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)**

	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable <i>From Tables 4-1R and 4-2 R</i>	4,425	4,646	4,867	5,088	5,309	0
Recycled Water Demand <sup>1</sup> <i>From Table 6-4</i>	0	0	0	0	0	0
Optional Deduction of Recycled Water Put Into Long-Term Storage <sup>2</sup>						
<b>TOTAL WATER USE</b>	4,425	4,646	4,867	5,088	5,309	0

<sup>1</sup> Recycled water demand fields will be blank until Table 6-4 is complete

<sup>2</sup> Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier may deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.

NOTES: All volumes are in AF.. The City of Riverbank does not have a recycled water project in development.

**Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting**

Reporting Period Start Date (mm/yyyy)	Volume of Water Loss <sup>1,2</sup>
01/2020	492.967
01/2019	3.838
01/2018	59.44
01/2017	4.96
01/2016	62.104

<sup>1</sup> Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.

<sup>2</sup> Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES: All volumes are in AF. A new meter system was implemented in the year 2020 explaining the significant

**Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections**

<b>Are Future Water Savings Included in Projections?</b> (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.	
<b>Are Lower Income Residential Demands Included In Projections?</b> <i>Drop down list (y/n)</i>	Yes
NOTES:	

**Submittal Table 5-1 Baselines and Targets Summary  
From SB X7-7 Verification Form  
Retail Supplier or Regional Alliance Only**

Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	1996	2005	198	165
5 Year	2003	2007	147	

*\*All cells in this table should be populated manually from the supplier's SBX7-7 Verification Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:

**Submittal Table 5-2: 2020 Compliance  
From SB X7-7 2020 Compliance Form  
Retail Supplier or Regional Alliance Only**

2020 GPCD			2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* <i>(Adjusted if applicable)</i>		
157	0	157	157	Yes

*\*All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:











**Urban Water Supplier:**

City of Riverbank

**Table O-2: Recommended Energy Reporting - Wastewater & Recycled Water**

Enter Start Date for Reporting Period		1/1/2020		Urban Water Supplier Operational Control			
End Date		12/31/2020					
				Water Management Process			
<input type="checkbox"/> Is upstream embedded in the values reported?				Collection / Conveyance	Treatment	Discharge / Distribution	Total
Volume of Water Units Used				AF			
Volume of Wastewater Entering Process (volume units selected above)				1568	1568	1568	4704
Wastewater Energy Consumed (kWh)					405464		405464
Wastewater Energy Intensity (kWh/volume)				0.0	793.6	0.0	264.5
Volume of Recycled Water Entering Process (volume units selected above)							0
Recycled Water Energy Consumed (kWh)							0
Recycled Water Energy Intensity (kWh/volume converted to MG)				0.0	0.0	0.0	0.0

**Quantity of Self-Generated Renewable Energy related to recycled water and wastewater operations**

0 kWh

**Data Quality** (Estimate, Metered Data, Combination of Estimates and Metered Data)

Combination of Estimates and Metered Data

**Data Quality Narrative:**

Billing data containing energy usage for the month of July was used to to extrapolate the energy used in the treatment and discharge process.

**Narrative:**

On average, the City of Riverbank collects, treats, and discharges 1.4 Mgal/day.

Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)			
Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available *	% of Average Supply
Average Year	2008	15000	100%
Single-Dry Year	1977	15000	100%
Consecutive Dry Years 1st Year	1929	15000	100%
Consecutive Dry Years 2nd Year	1930	15000	100%
Consecutive Dry Years 3rd Year	1931	15000	100%
Consecutive Dry Years 4th Year	1932	15000	100%
Consecutive Dry Years 5th Year	1933	15000	100%
<p>Supplier may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.</p>			
<p><b>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</b></p>			
<p>NOTES: All volumes are in AF.</p>			

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals (autofill from Table 6-9)	4,646	4,867	5,088	5,309	0
Demand totals (autofill from Table 4-3)	4,646	4,867	5,088	5,309	0
Difference	0	0	0	0	0
<p>NOTES: All volumes are in AF.</p>					

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	15,000	15,000	15,000	15,000	
Demand totals*	4,646	4,867	5,088	5,309	
Difference	10,354	10,133	9,912	9,691	0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>					
NOTES: All volumes are in AF.					

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	15,000	15,000	15,000	15,000	
	Demand totals	4,513	4,739	4,964	5,190	
	Difference	10,487	10,261	10,036	9,810	0
Second year	Supply totals	15,000	15,000	15,000	15,000	
	Demand totals	4,513	4,739	4,964	5,190	
	Difference	10,487	10,261	10,036	9,810	0
Third year	Supply totals	15,000	15,000	15,000	15,000	
	Demand totals	4,558	4,786	5,014	5,242	
	Difference	10,442	10,214	9,986	9,758	0
Fourth year	Supply totals	15,000	15,000	15,000	15,000	
	Demand totals	4,604	4,834	5,064	5,295	
	Difference	10,396	10,166	9,936	9,705	0
Fifth year	Supply totals	15,000	15,000	15,000	15,000	
	Demand totals	4,650	4,883	5,115	5,348	
	Difference	10,350	10,118	9,885	9,653	0
Sixth year (optional)	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES: All volumes are in AF. As a conservative estimate, demand during a 5 year drought was assumed to be equal to values projected without water conservation measures in place.						

**Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)**

<b>2021</b>		<b>Total</b>
Total Water Use		4,513
Total Supplies		15,000
Surplus/Shortfall w/o WSCP Action		10,487
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		0
WSCP - use reduction savings benefit		312
Revised Surplus/(shortfall)		10,799
Resulting % Use Reduction from WSCP action		7%
<b>2022</b>		
<b>2022</b>		<b>Total</b>
Total Water Use		4,513
Total Supplies		15,000
Surplus/Shortfall w/o WSCP Action		10,487
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		0
WSCP - use reduction savings benefit		0
Revised Surplus/(shortfall)		10,487
Resulting % Use Reduction from WSCP action		0%
<b>2023</b>		
<b>2023</b>		<b>Total</b>
Total Water Use		4,558
Total Supplies		15,000
Surplus/Shortfall w/o WSCP Action		10,442
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		0
WSCP - use reduction savings benefit		0
Revised Surplus/(shortfall)		10,442
Resulting % Use Reduction from WSCP action		0%
<b>2024</b>		
<b>2024</b>		<b>Total</b>
Total Water Use		4,604
Total Supplies		15,000
Surplus/Shortfall w/o WSCP Action		10,396
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		0
WSCP - use reduction savings benefit		48
Revised Surplus/(shortfall)		10,444
Resulting % Use Reduction from WSCP action		1%
<b>2025</b>		
<b>2025</b>		<b>Total</b>
Total Water Use		4,650
Total Supplies		15,000
Surplus/Shortfall w/o WSCP Action		10,350
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		0
WSCP - use reduction savings benefit		648
Revised Surplus/(shortfall)		10,998
Resulting % Use Reduction from WSCP action		14%

**Submittal Table 8-1  
Water Shortage Contingency Plan Levels**

Shortage Level	Percent Shortage Range	Shortage Response Actions <i>(Narrative description)</i>
1	Up to 10%	<ul style="list-style-type: none"> <li>• Customer repair of leaks, break, and malfunctions in a timely manner</li> <li>• Require automatic hose shut off valves</li> </ul>
2	Up to 20%	<ul style="list-style-type: none"> <li>• Prohibit use of potable water for washing hard surfaces (sidewalks or street cleaning)</li> <li>• Institution of leak and repair program</li> </ul>
3	Up to 30%	<ul style="list-style-type: none"> <li>• Prohibit vehicle washing except at facilities using recycled or recirculating water</li> </ul>
4	Up to 40%	<ul style="list-style-type: none"> <li>• Prohibit use of potable water for washing hard surfaces</li> <li>• Other landscape restrictions or prohibitions</li> </ul>
5	Up to 50%	<ul style="list-style-type: none"> <li>• Water use for public health and safety purposes only</li> </ul>
6	>50%	<ul style="list-style-type: none"> <li>• Water use for public health and safety purposes only. Customer rationing may be implemented.</li> </ul>

NOTES:

**Submittal Table 8-2: Demand Reduction Actions**

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only Drop Down List</i>
<i>Add additional rows as needed</i>				
1	Improve Customer Billing	5%	AWE (2015)	No
1	Expand Public Information Campaign	2%	AWE (2015)	Yes
2	Other - Prohibit use of potable water for washing hard surfaces	Unknown		No
3	Increase Water Waste Patrols	Unknown		No
3	Landscape - Restrict or prohibit runoff from landscape irrigation	Unknown		Yes
4	Other	1%	Assume no growth in water use	Yes
5	Landscape - Prohibit all landscape irrigation	14%	Landscape types include: - Turf water - Median watering - Further reduction of irrigation to parks AWE (2015)	Yes
6	Other	Unknown	Water use limited to public water use to health and safety purposes	Yes

NOTES: Demand reduction action and water restrictions as seen in § 52.34 of city code. Demand reduction estimations were taken from the compiled best available estimates of water savings in the Alliance for Water Efficiency Outdoor Water Savings Research Initiative (AWE 2015). Estimated reductions were then applied to residential end uses of water within the City of Riverbank. A drought, water shortage, or waste of water may require the city to implement regulations as expeditiously as such findings occur. The City Council by resolution shall establish water conservation regulations to address such findings, which

**Submittal Table 8-3: Supply Augmentation and Other Actions**

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
6	Stored Emergency Supply	6 AF	City of Riverbank has two water storage tanks totaling 2 million gallons of system storage
6	Other Actions (describe)	Unknown	Procurement of bottled water
6	Other Actions (describe)	Unknown	Canals containing non-portable water traverse the community. Local trucking firms can transport water along with the City's fire tanker trucks. Residents would need to boil or disinfect non-potable water.
6-Apr	Other Purchases	Unknown	The City will keep communication open with adjacent communities, Modesto Irrigation District, and Oakdale Irrigation District to deliver additional water, if needed.
<p>NOTES: No Supply augmentation via groundwater extractions is planned at this time but the city will continue to evaluate needed supply expansion</p>			

**Submittal Table 10-1 Retail: Notification to Cities and Counties**

City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
City of Riverbank	Yes	yes
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
San Joaquin County	Yes	Yes
Stanislaus County	Yes	Yes
NOTES:		