

Dixon

Calculation of Urban Water Supplier's Conservation Standard Supply Reliability for Three Additional Years of Drought			
Step 1: Determine Total Potable Water Demand (used in Step 3)			
Potable Water Production in Calendar Year 2013	504.07		MG
Potable Water Production in Calendar Year 2014	468.67		MG
Total Potable Water Demand	486.37		MG
<i>= ([Potable Water Production 2013]+[Potable Water Production 2014])/2</i>			
Step 2: Calculate Total Potable Water Supply			
Potable Water Supply	Year 1	Year 2	Year 3
Local Surface Water (million gallons)	N/A	N/A	N/A
Imported Water (million gallons)	N/A	N/A	N/A
Groundwater (million gallons)	1335	1335	1335
Total Potable Water Supply (million gallons)	1335	1335	1335
<i>= [Local Surface Water]+[Imported Water]+[Groundwater]</i>			
Step 3: Calculate Conservation Standard			
Total Potable Water Demand (from Step 1)	486.37		MG
Total Potable Water Supply (from Step 2)	1335		MG
Supply Shortfall in Year 3 (negative amount indicates a surplus)			
<i>= [Total Potable Water Demand]-[Total Potable Water Supply]</i>	-848.63		MG
Conservation Standard with Self-Certification of Supply Reliability			
<i>=[Shortfall in Year 3] / [Total Potable Water Demand]</i>			0%

Step 2 of Water Supply Reliability Certification and Data Submission Form

<< Enter name of urban water supplier

User Input Instructions

- (1) Please select units of measure from the dropdown menu.
- (2) Enter information on available water supplies and supplies committed to other uses.

LEGEND:

User Input or Selection	
Linked from User Input	

<< Select units of measure

Available Water Supplies

Sources of Supply	Name of Provider(s) or Description	Source used in prior years?	Water Available in			Wholesaler information Direct Web Link	Wholesaler Water System Number**
			WY 2017 *	WY 2018 *	WY 2019		
WHOLESALER SUPPLIED >> Provide direct web link(s) to information on the volume of water the wholesaler expects to deliver to the retailer water supplier in each year.							
Wholesaler 1		Select Y/N					
Wholesaler 2		Select Y/N					
Wholesaler 3		Select Y/N					
Wholesaler 4		Select Y/N					
Wholesaler 5		Select Y/N					
SELF-SUPPLIED							
Water Recycling (potable)		Select Y/N					
Surface water: SWP		Select Y/N					
Surface water: CVP		Select Y/N					
Surface water: Colorado River		Select Y/N					
Surface water: other (describe)		Select Y/N					
Surface water: other (describe)		Select Y/N					
Local Groundwater	Well Production	Yes	1,335.0	1,335.0	1,335.0		<< Complete groundwater tab
Seawater Desalination		Select Y/N					
Transfers		Select Y/N					
Exchanges		Select Y/N					
Other (describe):		Select Y/N					<< To add more self-supplied sources, insert as many rows
SUBTOTAL of available supplies (in units selected)			1,335.0	1,335.0	1,335.0		

* Any carryover from one year is incorporated in the supply of the following year, as legally allowed.

** Look up Water system number at this link: <https://sdwis.waterboards.ca.gov/PDWW/>

Rows can be inserted to account for other sources of supply (e.g., desalination of brackish water, banked water)

If a source has not been used in prior years, e.g., a new treatment facility will be constructed, supporting documentation must document when the new source will be fully implemented.

Water Supplies Committed to Other Uses (Not Available)

Other Uses	Describe	Quantity in WY 2017	Quantity in WY 2018	Quantity in WY 2019
Agriculture				
Commercial, industrial or institutional				
New residential customers				

Transfers				
Other:				
Other:				
	SUBTOTAL of supplies not available (in units selected)	-	-	-

TOTAL available water supply (in units selected)	1,335.0	1,335.0	1,335.0
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(Subtotal of available supplies minus subtotal of supplies committed to other uses)

>>> Please enter values calculated below in Step 2 of the online form

TOTAL available water supply converted to acre feet	4,097	4,097	4,097
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>> If error, verify you have selected units of measure

**California Water Service - Dixon
Supporting Analysis and Calculations**

Well ID	Design Flow (GPM)	Mgals
1	500	210
2	550	231
3	725	305
4	1400	589
	Total	1335

Groundwater Supply Notes

We project that 1,335 million gallons (MG) will be available annually from groundwater sources in 2017, 2018, and 2019. This is a conservative figure based on 80% of the capacity of currently active wells run 24 hours a day, 7 days a week.