

Chico

Calculation of Urban Water Supplier's Conservation Standard Supply Reliability for Three Additional Years of Drought			
<b>Step 1: Determine Total Potable Water Demand (used in Step 3)</b>			
Potable Water Production in Calendar Year 2013	8943.3		MG
Potable Water Production in Calendar Year 2014	7671.91		MG
Total Potable Water Demand	8307.605		MG
<i>= ([Potable Water Production 2013]+[Potable Water Production 2014])/2</i>			
<b>Step 2: Calculate Total Potable Water Supply</b>			
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)	23797	23797	23797
Total Potable Water Supply (million gallons)	23797	23797	23797
<i>= [Local Surface Water]+[Imported Water]+[Groundwater]</i>			
<b>Step 3: Calculate Conservation Standard</b>			
Total Potable Water Demand (from Step 1)	8307.605		MG
Total Potable Water Supply (from Step 2)	23797		MG
<b>Supply Shortfall in Year 3</b> (negative amount indicates a surplus)			
<i>= [Total Potable Water Demand]-[Total Potable Water Supply]</i>	-15489.395		MG
<b>Conservation Standard with Self-Certification of Supply Reliability</b>			
<i>=[Shortfall in Year 3] / [Total Potable Water Demand]</i>			<b>0%</b>

## 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		
<b>WHOLESALE SUPPLIED</b> >> 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					
<b>SELF-SUPPLIED</b>							
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	23,797.0	23,797.0	23,797.0		<< 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)			23,797.0	23,797.0	23,797.0		

\* 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:				
	<b>SUBTOTAL of supplies not available (in units selected)</b>	-	-	-

<b>TOTAL available water supply (in units selected)</b>	23,797.0	23,797.0	23,797.0
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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**

<b>TOTAL available water supply converted to acre feet</b>	<b>73,030</b>	<b>73,030</b>	<b>73,030</b>
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*>> If error, verify you have selected units of measure*

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

Well ID	Design Flow (GPM)	Mgals
1	1200	505
2	880	370
3	600	252
4	600	252
5	475	200
6	550	231
7	900	378
8	900	378
9	700	294
10	900	378
11	600	252
12	800	336
13	1350	568
14	640	269
15	1000	420
16	640	269
17	1000	420
18	800	336
19	1000	420
20	1000	420
21	950	399
22	950	399
23	530	223
24	1200	505
25	700	294
26	800	336
27	760	320
28	1000	420
29	825	347
30	1100	463
31	850	357
32	750	315
33	500	210
34	800	336
35	900	378
36	700	294
37	850	357
38	1100	463
39	1100	463
40	850	357
41	1770	744

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

Well ID	Design Flow (GPM)	Mgals
42	900	378
43	1000	420
44	1100	463
45	1100	463
46	1000	420
47	1050	442
48	850	357
49	1075	452
50	1200	505
51	1000	420
52	950	399
53	1500	631
54	1000	420
55	1800	757
56	1300	547
57	1400	589
58	850	357
59	600	252
60	850	357
61	550	231
	<b>Total</b>	<b>23797</b>

**Groundwater Supply Notes**

We project that 23,797 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.