

Oroville

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		1077.03	MG
Potable Water Production in Calendar Year 2014		869.31	MG
Total Potable Water Demand		973.17	MG
= $([Potable\ Water\ Production\ 2013] + [Potable\ Water\ Production\ 2014]) / 2$			
<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)	977.6	977.6	977.6
Groundwater (million gallons)	1051	1051	1051
Total Potable Water Supply (million gallons)			
= $[Local\ Surface\ Water] + [Imported\ Water] + [Groundwater]$		2028.6	2028.6
<b>Step 3: Calculate Conservation Standard</b>			
Total Potable Water Demand (from Step 1)		973.17	MG
Total Potable Water Supply (from Step 2)		2028.6	MG
<b>Supply Shortfall in Year 3</b> (negative amount indicates a surplus)			
= $[Total\ Potable\ Water\ Demand] - [Total\ Potable\ Water\ Supply]$		-1055.43	MG
<b>Conservation Standard with Self-Certification of Supply Reliability</b>			
= $[Shortfall\ in\ Year\ 3] / [Total\ Potable\ Water\ Demand]$			<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>WHOLESALER 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	1,051.0	1,051.0	1,051.0		<< Complete groundwater tab
Seawater Desalination		Select Y/N					
Transfers		Select Y/N					
Exchanges		Select Y/N					
Other (describe):	Pacific Gas and Electric	Select Y/N	977.6	977.6	977.6		<< To add more self-supplied sources, insert as many rows
SUBTOTAL of available supplies (in units selected)			2,028.6	2,028.6	2,028.6		

\* 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>	2,028.6	2,028.6	2,028.6
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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>	6,226	6,226	6,226
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*>> If error, verify you have selected units of measure*

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

Well ID	Design Flow (GPM)	Mgals
1	500	210
2	700	294
3	750	315
4	550	231
	Total	1051

**Groundwater Supply Notes**

We project that 1,051 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.

**Water Supply Notes**

The figures provided are based on the Agreement between Butte County and California Water Service Company for Delivery of Contract PG&E Water through State Water Project Facilities. This agreement provides access to 3,000 AF/year to California Water Service. PG&E projects that the full amount of 3,000 AF/year will be available to California Water Service in 2017, 2018, and 2019.