

**Crestline Village Water District (CVWD)**

06/22/16

Water Supply Reliability Certification Worksheet

Line	<u>Water Supplies</u>	--- CCF ---		
		2017	2018	2019
1	<b>Wholesaler Supplies</b>			
2	Surface Water: SWP - Crestline-Lake Arrowhead Water Agency			
3	CLAWA Estimated Demand	157,251.6	157,251.6	157,251.6
4	Calculated Available CLAWA Estimated Surplus (Line 9)	395,074.8	170,219.6	344,341.8
5	<b>Total Estimated Supply from Wholesaler (3+4)</b>	<b>552,326.4</b>	<b>327,471.2</b>	<b>501,593.4</b>
6	<b>Calculated Portion of CLAWA Estimated Surplus Available to CVWD</b>			
7	<b>CVWD Portion of CLAWA Estimated Demand (361 AF / 1370 AF)</b>	26.35%	26.35%	26.35%
8	CLAWA Estimated Surplus	1,499,335.2	645,994.8	1,306,800.0
9	Estimated Portion of Surplus Available to CVWD (7 * 8)	395,074.8	170,219.6	344,341.8
11	<b>Self Supplied</b>			
12	Local Groundwater			
13	Well Production from WY 2013, 2014 & 2015	177,531.8	135,164.4	112,967.5
14	90% of 2013, 2014 and 2015 production (13 * .9) (See note)	159,778.6	121,648.0	101,670.7
15	Planned addition of new wells			
16	Well 1 added in 2016 (Producing 20 gallons per minute)	14,053.5	14,053.5	14,053.5
17	Well 2 added in 2017 (Producing 20 gallons per minute)	7,026.7	14,053.5	14,053.5
18	<b>Total Estimated Ground Water Supply (14+16+17)</b>	<b>180,858.8</b>	<b>149,754.9</b>	<b>129,777.7</b>
19	<b>Total Estimated Water Supply (Line 5 + 18)</b>	<b>733,185.3</b>	<b>477,226.1</b>	<b>631,371.1</b>
	<b>Total Estimated Water Supply in Acre-Feet</b>	<b>1,683.2</b>	<b>1,095.6</b>	<b>1,449.4</b>

**Note:** Ground water is produced from a fractured rock aquifer. Groundwater is replenished by rain and snow. There is no water basin to replenish or deplete. If precipitation for 2017, 2018 and 2019 mirrors above years, well production should be comparable. To provide margin for dryness of ground due to extended drought, production is reduced by 10%.

<b>Annual Total Potable Water Demand</b>		CCF	AF
21	Potable Water Production 2013	324,443.1	744.8
22	Potable Water Production 2014	289,329.7	664.2
23	<b>Total Potable Water Demand ((21 + 22) / 2)</b>	<b>306,886.4</b>	<b>704.5</b>
<b>Calculate Water Standard</b>			
24	Potable Water Demand (Line23)	306,886.4	704.5
25	Potable Water Supply (Line 19 - Year 2019)	631,371.1	1,449.4
26	<b>Supply Shortfall (Surplus) in Year 3 (Line 24 - 25)</b>	<b>(324,484.7)</b>	<b>(744.9)</b>
27	<b>Conservation Standard (Line 26 / 24)</b>	<b>0.0%</b>	

## Worksheet 1 : Total available water supply for individual water supplier

### Step 2 of Water Supply Reliability Certification

Crestline Village Water District << 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	

one hundred cubic feet (CCF) << 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
			WY 2017 *	WY 2018 *	WY 2019	Direct Web Link
<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.						
❶ Water Recycling (potable)		No				
Surface water: SWP	Crestline-Lake Arrowhead Water Agency	Yes	552,326.4	327,471.2	501,593.4	<a href="http://www.clawa.org/ssl/docs">http://www.clawa.org/ssl/docs</a>
❶ Surface water: CVP		No				
❶ Surface water: Colorado River		No				
❶ Surface water: other (describe)		No				
❶ Groundwater		No				
❶ Desalination		No				
❶ Other:		No				
❶ Other:		No				
<b>SELF-SUPPLIED</b>						
❶ Water Recycling (potable)		No				
❶ Surface water: SWP		No				
❶ Surface water: CVP		No				
❶ Surface water: Colorado River		No				
❶ Surface water: other (describe)		No				
❶ Surface water: other (describe)		No				
Local Groundwater	Horizontal and Vertical Wells	Yes	180,858.8	149,754.9	129,777.7	<< Complete groundwater tab
❶ Desalination		No				
❶ Transfers		No				
❶ Exchanges		No				
❶ Other (describe):		No				<< To add more self-supplied sc
<b>SUBTOTAL of available supplies (in units selected)</b>			733,185.2	477,226.1	631,371.1	

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

❶ 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)	733,185.2	477,226.1	631,371.1
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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	1,683	1,096	1,449
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>> If error, verify you have selected units of measure

**If using local groundwater sources, answer questions below**

Complete only if relying on groundwater for a portion of supply

**Do you know the volume of water in the aquifer that is in your source(s) of groundwater?**

*Only completed for aggregated conservations standard (Step 3.2).*

Pick one:

*Optional notes and comments:*

The source of our groundwater is a fractured rock aquafer, not a water basin.

**How frequently are groundwater elevations monitored?**

Pick one:

*Optional notes and comments:*

Fractured rock aquafer does not have a water table. Wells are supplied by water flow through rock structure.

**At what depth is/was your water table? (in feet)**

In June 2016  feet

In June 2013  feet

*Optional notes and comments:*

Fractured rock aquafer does not have a water table.

**How many feet can you withdraw without substantially affecting your ability to pump water? (in feet)**

feet

*Optional notes and comments:*

Unknown. In fractured rock aquifer wells are replenished by water flow through rock structure.

**Do you have groundwater that you expect to sell or distribute to another water supplier that is not accounted for in your calculations?**

*Pick one:*

*Describe:*

>>> Thank you.

**From:** [SWRCB Office Research, Planning & Performance](#)  
**To:** [kbdrew@cvwater.com](mailto:kbdrew@cvwater.com); [kbdrew@cvwater.com](mailto:kbdrew@cvwater.com); [kbdrew@cvwater.com](mailto:kbdrew@cvwater.com); [kathy.frevert@waterboards.ca.gov](mailto:kathy.frevert@waterboards.ca.gov)  
**Subject:** Water Supply Reliability Self-certification Acknowledgement -  
**Date:** Wednesday, June 22, 2016 9:42:55 AM

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Hello Karl Drew:

This is an acknowledgement of your Water Supply Reliability Self-certification submission. Should any of this information be incorrect, please re-submit your application **in its entirety** including all worksheets, legal document, certification form, and supporting documents.

Urban Water Supplier	Crestline Village Water District (623)
Management Contact Name	Karl Drew
Title	General Manager
Email	kbdrew@cvwater.com
Telephone	(909) 338-1727
Technical Contact Name	Karl Drew
Title	General Manager
Email	kbdrew@cvwater.com
Telephone	(909) 338-1727
2013 Production (in units selected)	324443.1
2014 Production (in units selected)	289329.7
Calculated Annual Potable Water Demand in Acre-feet (AF)	704.516 AF
Demand Notes and Comments	
WY 2017 Total Available Water Supply	1683.2 AF
WY 2018 Total Available Water Supply	1095.6 AF
WY 2019 Total Available Water Supply	1449.4 AF
Supply Notes and Comments	All calculations are shown in "WorksheetNotes.xlsx".
Individual or Aggregate	Individual
Conservation Standard *	-106 %
Higher Conservation Standard	No
Step 3.1 Notes and Comments	
Step 3.2 Entity submitting Aggregated Self-certification form, if applicable	
Contact	
Title	
Email	kbdrew@cvwater.com

Telephone	
Aggregate Demand	
Aggregate Supply	
Aggregate Conservation Standard *	
Step 3.2 Notes and Comments	
Uploaded Worksheet #1	<a href="https://drinc.ca.gov/DNN/Portals/0/SelfCert/b05502d3-c1b6-47ad-834f-7efcbbe8a8dc.xlsx">https://drinc.ca.gov/DNN/Portals/0/SelfCert/b05502d3-c1b6-47ad-834f-7efcbbe8a8dc.xlsx</a>
Uploaded Worksheet #2	
Uploaded Legal Document	
Uploaded Certification	<a href="https://drinc.ca.gov/DNN/Portals/0/SelfCert/3a1aee91-a931-4b27-88c2-5c6e7ba0aed8.pdf">https://drinc.ca.gov/DNN/Portals/0/SelfCert/3a1aee91-a931-4b27-88c2-5c6e7ba0aed8.pdf</a>
Uploaded Supporting Analysis & Calculations	<a href="https://drinc.ca.gov/DNN/Portals/0/SelfCert/ca35b3d9-83b0-4224-be34-b6cedebde454.xlsx">https://drinc.ca.gov/DNN/Portals/0/SelfCert/ca35b3d9-83b0-4224-be34-b6cedebde454.xlsx</a>

\* A negative number indicates a surplus and the Conservation Standard is zero.

State Water Resources Control Board  
Office of Research, Planning & Performance



## Certification of Self-Certified Conservation Standard

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### Certification of Self-Certified Conservation Standard Form

I hereby certify that: **Crestline Village Water District**

1. I will oversee, review, and take full responsibility for the completeness and accuracy of all data submitted to the State Water Resources Control Board as part of the reporting required pursuant to California Code of Regulations, title 23, section 864.5, subdivisions (a)(3) and (h);
2. I have the authority to make the aforesaid certifications on behalf of

**Crestline Village Water District**

I acknowledge that submitting any information required by California Code of Regulations, title 23, section 864.5, including this certification, that I know or should know to be materially false is a violation punishable by civil liability of up to five hundred dollars (\$500) for each day in which the violation occurs. Every day that the error goes uncorrected constitutes a separate violation. Civil liability for the violation is in addition to, and does not supersede or limit, any other remedies, civil or criminal.

Printed Name	Karl B. Drew
Title (General Manager or equivalent)	General Manager
Signature	
Date	06/22/2016
Email Address	kbdrew@cvwater.com
Phone Number	909-338-1727

Please print, sign and submit completed form and upload the form to this weblink (see Step 5 of the online form): <http://drinc.ca.gov/dnn/applications/publicwatersystems/waterreliabilitycertification.aspx>