
crestline village



WATER DISTRICT

Memo

To: Board of Directors
From: Larrie Ann Davis
Date: August 14, 2015
Subject: Monthly Water Production Report

I apologize for not having the complete monthly production report ready to include in the agenda packet. With employee illness and vacations, the report was not completed in time. The balance of the monthly production report will be distributed at the Board meeting.

Crestline Village Water District
System Report on: 07/31/15

For Month of: July 2015

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,754	19.19	321,509	83.43%
Saxon	337,674	14,681	17.18	252,220	74.69%
Pinecrest I & II	2,063,492	54,302	27.92	1,516,112	73.47%
Zurich	380,500	16,910	21.31	360,352	94.70%
Lakeview	1,230,212	27,959	35.29	986,673	80.20%
Old Mill	705,900	27,150	23.25	631,238	89.42%
Barn	444,443	19,753	18.62	367,801	82.76%
Wilson	983,681	33,920	22.03	747,258	75.97%
Chillon	337,674	14,681	18.19	267,047	79.08%
Brookside	748,067	28,772	17.89	514,731	68.81%
Chamois	1,026,532	39,482	22.64	893,872	87.08%
Total	8,643,529		243.51	6,858,813	79.35%

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	57,920	On
Pioneer-2	40,711	On
Pioneer-1	28,606	On
Old Mill Springs	14,220	On
Maple Springs	7,530	On
Willow Springs	120	Off
Brookside Springs	7,340	On
Hillside Springs	6,050	On
Pinecrest 1 & 2	13,450	On
Pinecrest Vertical	134,370	On
Cypress Vertical	87,410	On
Anderson Vertical	48,000	On
Wilson Springs 1 & 2	73,134	On
Wilson Vertical	115,800	On
Felsen Vertical	163,600	On
Horst	37,800	On
Jewel 64	69,801	On
Cathcart	16,600	On
Bergschrund	7,303	On
Chamois	0	Off
Chamois Vertical	36,760	On
	0	0
	0	0
	0	0
Lewter	4,285	On
Total	970,810	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	60	60	0	0.00%	392,380
Mile High 2"	40	40	0	0.00%	251,230
Mile High 4"	0	0	0	0.00%	13,904
Pinecrest 2"	0	0	0	0.00%	0
Pinecrest 4"	150	150	0	0.00%	857,353
Lake Drive 2"	0	0	0	0.00%	0
Lake Drive 4"	0	0	0	0.00%	0
Camp Seely	0	0	0	0.00%	77,406
Total	250	250	0	0.00%	1,592,273

July Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	374.6	2,235,581		175.0	1,044,385
Actual M-T-D:	266.8	1,592,273		162.7	970,810
Over/(Under) Last Year:	(107.8)	(643,308.0)		(12.3)	(73,575.0)

Total	GPM	Cubic Feet
Last Year M-T-D:	549.6	3,279,966
Actual M-T-D:	429.5	2,563,083
Over/(Under) Last Year:	(120.1)	(716,883.0)

**Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months**

08/13/15

<u>Source Name</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January '15</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Last 12 Months</u>	<u>13 Months</u>
Division 10															
Altdorf	65,108	59,679	64,427	61,843	60,998	62,013	61,686	52,584	65,113	59,329	62,534	55,514	57,920	723,640	788,748
Pioneer #2	47,425	43,959	47,717	45,813	44,633	41,726	43,660	37,542	45,747	39,207	43,330	38,646	40,711	512,691	560,116
Pioneer #1	37,655	33,243	35,677	33,762	32,630	46,662	37,187	30,585	37,474	30,898	31,038	27,345	28,606	405,107	442,762
Old Mill Springs	19,900	17,250	17,800	16,620	16,590	16,320	15,900	14,360	18,050	15,260	15,320	14,520	14,220	192,210	212,110
Maple Springs	32,422	28,737	29,337	27,505	24,018	25,369	19,959	15,990	15,431	14,846	9,536	8,425	7,530	226,683	259,105
Willow Springs	8,810	7,520	4,790	3,760	3,030	3,860	3,350	2,640	3,140	1,950	1,080	310	120	35,550	44,360
Brookside Springs	13,970	8,100	9,350	8,930	8,150	11,000	9,710	7,960	10,150	8,710	9,350	7,880	7,340	106,630	120,600
Hillside Springs	10,210	8,910	9,510	8,550	8,100	7,210	7,670	6,350	7,580	6,750	6,930	5,970	6,050	89,580	99,790
Pinecrest	29,810	25,650	25,920	22,760	19,020	21,720	21,970	16,500	17,370	16,810	17,240	14,220	13,450	232,630	262,440
Pinecrest Vertical	50,410	48,290	48,590	1,620	0	0	0	43,070	222,090	177,100	171,630	121,800	134,370	968,560	1,018,970
Cypress Vertical	90,890	84,810	92,890	89,030	89,140	65,690	87,820	78,370	87,680	85,390	91,520	83,080	87,410	1,022,830	1,113,720
Anderson Vertical	60,700	55,300	79,200	33,400	31,800	29,100	65,200	23,000	56,100	83,500	23,700	54,200	48,000	582,500	643,200
Division 10 Totals	467,310	421,448	465,208	353,593	338,109	330,670	374,112	328,951	585,925	539,750	483,208	431,910	445,727	5,098,611	5,565,921
Division 20															
Wilson Springs #1 & 2	104,535	97,023	100,706	97,356	95,251	85,172	72,451	80,158	90,102	80,236	83,274	70,981	73,134	1,025,844	1,130,379
Wilson Vertical	135,100	76,400	123,300	147,300	78,900	94,400	74,500	106,300	130,200	123,000	127,300	113,100	115,800	1,310,500	1,445,600
Felsen Vertical	168,100	90,430	188,450	138,940	134,540	169,620	181,970	157,320	189,000	157,720	179,070	162,870	163,600	1,913,530	2,081,630
Horst	54,600	49,000	51,900	48,300	46,300	42,100	44,200	37,600	45,100	40,000	41,500	36,700	37,800	520,500	575,100
Jewell No. 64	37,326	73,351	75,752	72,530	72,576	69,431	71,974	62,578	78,239	68,198	75,214	65,280	69,801	854,924	892,250
Cathcart	20,700	18,700	20,800	20,000	18,900	17,200	18,300	15,600	19,100	17,100	17,900	15,800	16,600	216,000	236,700
Bergschrund	12,099	15,691	15,053	13,174	12,095	10,606	10,959	9,140	10,675	9,354	9,266	7,611	7,303	130,927	143,026
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	39,920	37,350	40,720	38,970	38,600	35,880	38,290	33,380	40,240	36,480	38,590	34,690	36,760	449,950	489,870
Valle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillon 64 (stand-by)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewter	4,653	4,427	4,649	4,475	4,416	4,234	4,425	3,906	4,729	4,275	4,606	4,109	4,285	52,536	57,189
Division 20 Totals	577,033	462,372	621,330	581,045	501,578	528,643	517,069	505,982	607,385	536,363	576,720	511,141	525,083	6,474,711	7,051,744
Total District Sources	1,044,343	883,820	1,086,538	934,638	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	11,573,322	12,617,665
C.L.A.W.A.															
Crest Forest 6"	434,091	337,567	361,631	361,631	301,872	279,813	351,471	259,893	316,711	289,037	330,615	303,209	392,380	3,885,830	4,319,921
Mile High Park 2"	0	0	0	0	232,487	163,717	173,864	156,243	191,644	217,607	168,209	182,741	251,230	1,737,742	1,737,742
Mile High Park 4"	273,128	249,198	269,251	269,251	0	33,289	0	0	0	0	0	0	13,904	834,893	1,108,021
Pinecrest 2"	0	0	0	0	0	0	0	1,283	0	46,471	506,324	89,813	0	643,891	643,891
Pinecrest 4"	1,358,690	1,190,909	1,031,417	1,031,417	716,578	579,679	822,995	523,396	473,529	416,711	0	713,369	857,353	8,357,353	9,716,043
Lake Drive 2"	0	94	0	0	0	0	0	0	0	0	0	0	0	94	94
Lake Drive 4"	93,583	0	0	0	0	0	0	0	401	0	0	58,155	0	58,556	152,139
Camp Seely	76,203	36,364	41,176	41,176	30,749	29,278	17,246	23,396	20,455	42,380	41,444	59,358	1,592,273	1,975,295	2,051,498
C.L.A.W.A. Totals	2,235,695	1,814,132	1,703,475	1,703,475	1,281,686	1,085,776	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	3,107,140	17,493,654	19,729,349
Grand Totals	3,280,038	2,697,952	2,790,013	2,638,113	2,121,373	1,945,089	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	4,077,950	29,066,976	32,347,014

**Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months**

08/13/15

<u>Source Name</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January '15</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Last 12 Months</u>	<u>13 Months</u>
District Sources															
Division 10	467,310	421,448	465,208	353,593	338,109	330,670	374,112	328,951	585,925	539,750	483,208	431,910	445,727	5,098,611	5,565,921
Division 20	577,033	462,372	621,330	581,045	501,578	528,643	517,069	505,982	607,385	536,363	576,720	511,141	525,083	6,474,711	7,051,744
Total	1,044,343	883,820	1,086,538	934,638	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	11,573,322	12,617,665
Division 10	44.75%	47.68%	42.82%	37.83%	40.27%	38.48%	41.98%	39.40%	49.10%	50.16%	45.59%	45.80%	45.91%	44.05%	44.11%
Division 20	55.25%	52.32%	57.18%	62.17%	59.73%	61.52%	58.02%	60.60%	50.90%	49.84%	54.41%	54.20%	54.09%	55.95%	55.89%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
All Sources															
District Sources	1,044,343	883,820	1,086,538	934,638	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	11,573,322	12,617,665
C.L.A.W.A.	2,235,695	1,814,132	1,703,475	1,703,475	1,281,686	1,085,776	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	3,107,140	17,493,654	19,729,349
Total Sources	3,280,038	2,697,952	2,790,013	2,638,113	2,121,373	1,945,089	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	4,077,950	29,066,976	32,347,014
District Sources	31.84%	32.76%	38.94%	35.43%	39.58%	44.18%	39.49%	46.41%	54.34%	51.53%	50.32%	40.14%	23.81%	39.82%	39.01%
C.L.A.W.A.	68.16%	67.24%	61.06%	64.57%	60.42%	55.82%	60.51%	53.59%	45.66%	48.47%	49.68%	59.86%	76.19%	60.18%	60.99%
Total Sources	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Crestline Village Water District
Change in Water Production - Cubic Feet
2013 to 2015

2015 Production	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Wells	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	0	0	0	0	0	6,969,326
CLAWA	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	1,592,273	0	0	0	0	0	8,390,243
Total	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	2,563,083	0	0	0	0	0	15,359,569

2015 Cumulative													
Wells	891,181	1,726,114	2,919,424	3,995,537	5,055,465	5,998,516	6,969,326	6,969,326	6,969,326	6,969,326	6,969,326	6,969,326	
CLAWA	1,365,576	2,329,787	3,332,527	4,344,733	5,391,325	6,797,970	8,390,243	8,390,243	8,390,243	8,390,243	8,390,243	8,390,243	
Total	2,256,757	4,055,901	6,251,951	8,340,270	10,446,790	12,796,486	15,359,569	15,359,569	15,359,569	15,359,569	15,359,569	15,359,569	

2013 Production													
Wells	1,892,667	1,416,423	1,570,947	1,427,183	1,498,424	1,506,235	1,372,567	1,350,287	1,330,182	1,210,928	1,344,261	1,168,307	17,088,411
CLAWA	1,026,069	378,743	606,417	878,490	1,119,532	1,641,898	2,091,243	1,889,105	1,991,017	1,541,056	1,111,284	1,081,043	15,355,897
Total	2,918,736	1,795,166	2,177,364	2,305,673	2,617,956	3,148,133	3,463,810	3,239,392	3,321,199	2,751,984	2,455,545	2,249,350	32,444,308

2013 Cumulative													
Wells	1,892,667	3,309,090	4,880,037	6,307,220	7,805,644	9,311,879	10,684,446	12,034,733	13,364,915	14,575,843	15,920,104	17,088,411	
CLAWA	1,026,069	1,404,812	2,011,229	2,889,719	4,009,251	5,651,149	7,742,392	9,631,497	11,622,514	13,163,570	14,274,854	15,355,897	
Total	2,918,736	4,713,902	6,891,266	9,196,939	11,814,895	14,963,028	18,426,838	21,666,230	24,987,429	27,739,413	30,194,958	32,444,308	

Change in Production													
Wells	(1,001,486)	(581,490)	(377,637)	(351,070)	(438,496)	(563,184)	(401,757)						
CLAWA	339,507	585,468	396,323	133,716	(72,940)	(235,253)	(498,970)						
Total	(661,979)	3,978	18,686	(217,354)	(511,436)	(798,437)	(900,727)						
Total (AF)	(15.20)	0.09	0.43	(4.99)	(11.74)	(18.33)	(20.68)						

% Change													
Wells	-52.91%	-41.05%	-24.04%	-24.60%	-29.26%	-37.39%	-29.27%						
CLAWA	33.09%	154.58%	65.35%	15.22%	-6.52%	-14.33%	-23.86%						
Total	-22.68%	0.22%	0.86%	-9.43%	-19.54%	-25.36%	-26.00%						

Cummulative Change													
Wells	(1,001,486)	(1,582,976)	(1,960,613)	(2,311,683)	(2,750,179)	(3,313,363)	(3,715,120)						
CLAWA	339,507	924,975	1,321,298	1,455,014	1,382,074	1,146,821	647,851						
Total	(661,979)	(658,001)	(639,315)	(856,669)	(1,368,105)	(2,166,542)	(3,067,269)						
Total (AF)	(15.20)	(15.11)	(14.68)	(19.67)	(31.41)	(49.74)	(70.41)						

% Cummulative Change													
Wells	-52.91%	-47.84%	-40.18%	-36.65%	-35.23%	-35.58%	-34.77%						
CLAWA	33.09%	65.84%	65.70%	50.35%	34.47%	20.29%	8.37%						
Total	-22.68%	-13.96%	-9.28%	-9.31%	-11.58%	-14.48%	-16.65%						

Crestline Village Water District
Change in Customer Water Consumption - Cubic Feet
2013 to 2015

2015 Consumption	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cubic Feet	2,030,852	1,755,211	1,768,074	1,917,495	1,880,620	2,114,618	2,386,642						13,853,512
Total	2,030,852	1,755,211	1,768,074	1,917,495	1,880,620	2,114,618	2,386,642	0	0	0	0	0	13,853,512
2015 Cummulative													
Cubic Feet	2,030,852	3,786,063	5,554,137	7,471,632	9,352,252	11,466,870	13,853,512	13,853,512	13,853,512	13,853,512	13,853,512	13,853,512	
Total	2,030,852	3,786,063	5,554,137	7,471,632	9,352,252	11,466,870	13,853,512	13,853,512	13,853,512	13,853,512	13,853,512	13,853,512	
2013 Consumption													
Cubic Feet	2,261,012	1,952,389	1,843,970	2,101,256	2,351,113	2,776,689	3,125,809	3,075,879	2,952,319	2,417,952	2,060,523	2,062,910	28,981,821
Total	2,261,012	1,952,389	1,843,970	2,101,256	2,351,113	2,776,689	3,125,809	3,075,879	2,952,319	2,417,952	2,060,523	2,062,910	28,981,821
2013 Cummulative													
Cubic Feet	2,261,012	4,213,401	6,057,371	8,158,627	10,509,740	13,286,429	16,412,238	19,488,117	22,440,436	24,858,388	26,918,911	28,981,821	
Total	2,261,012	4,213,401	6,057,371	8,158,627	10,509,740	13,286,429	16,412,238	19,488,117	22,440,436	24,858,388	26,918,911	28,981,821	
Change in Consumption													
Cubic Feet	(230,160)	(197,178)	(75,896)	(183,761)	(470,493)	(662,071)	(739,167)						
Total	(230,160)	(197,178)	(75,896)	(183,761)	(470,493)	(662,071)	(739,167)						
Total (AF)	(5.28)	(4.53)	(1.74)	(4.22)	(10.80)	(15.20)	(16.97)						
% Change													
Cubic Feet	-10.18%	-10.10%	-4.12%	-8.75%	-20.01%	-23.84%	-23.65%						
Total	-10.18%	-10.10%	-4.12%	-8.75%	-20.01%	-23.84%	-23.65%						
Cummulative Change													
Cubic Feet	(230,160)	(427,338)	(503,234)	(686,995)	(1,157,488)	(1,819,559)	(2,558,726)						
Total	(230,160)	(427,338)	(503,234)	(686,995)	(1,157,488)	(1,819,559)	(2,558,726)						
Total (AF)	(5.28)	(9.81)	(11.55)	(15.77)	(26.57)	(41.77)	(58.74)						
% Cummulative Change													
Cubic Feet	-10.18%	-10.14%	-8.31%	-8.42%	-11.01%	-13.69%	-15.59%						
Total	-10.18%	-10.14%	-8.31%	-8.42%	-11.01%	-13.69%	-15.59%						

**Crestline Village Water District
Gallons Per Capita Daily Calculation**

Calendar 2015

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Total</u>
Residential Services with 92325 Zip	2,627	2,618	2,631	2,639	2,644	2,652	2,634						
People per Household	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
Est. Full-Time Population	7,434	7,409	7,446	7,468	7,483	7,505	7,454						
Days Per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
Gallons Water Produced	16,880,542	13,457,597	16,426,454	15,620,626	15,756,770	17,575,726	19,171,861	0	0	0	0	0	114,889,576
92325 Residential Water Usage (% Residential Water)	1,366,525 67.29%	1,219,853 69.50%	1,240,834 70.18%	1,318,864 68.78%	1,261,004 67.05%	1,403,292 66.36%	1,501,209 62.90%						
Gallons Per Capita Daily - 2015	73.25	64.87	71.16	69.72	67.93	78.06	82.97						
R - Gallons Per Capita Daily - 2015	49.29	45.09	49.94	47.96	45.54	51.80	52.19						

Calendar 2013

Residential Services with 92325 Zip	2,604	2,604	2,591	2,603	2,597	2,592	2,596	2,589	2,580	2,603	2,597	2,592	2,596
People per Household	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
Est. Full-Time Population	7,369	7,369	7,333	7,366	7,350	7,335	7,347	7,327	7,301	7,366	7,350	7,335	7,347
Days Per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
Gallons Water Produced	21,832,145	13,427,842	16,286,683	17,246,434	19,582,311	23,548,035	25,909,299	24,230,652	24,842,569	20,584,840	18,367,477	16,825,138	242,683,424
92325 Residential Water Usage (% Residential Water)	1,419,270 62.77%	1,272,987 65.20%	1,230,130 66.71%	1,399,353 66.60%	1,502,032 63.89%	1,750,211 63.03%	1,918,331 61.37%	1,925,042 62.59%	1,890,412 64.03%	1,568,571 64.87%	1,418,663 68.85%	1,332,536 64.59%	18,627,538 64.27%
Gallons Per Capita Daily - 2013	95.57	65.08	71.65	78.05	85.94	107.01	113.76	106.68	113.42	90.15	83.30	73.99	90.50
R - Gallons Per Capita Daily - 2013	59.99	42.43	47.79	51.98	54.91	67.45	69.81	66.77	72.62	58.48	57.35	47.79	58.16
Change R-GPCD 2013-2015	(10.70)	2.65	2.15	(4.02)	(9.37)	(15.65)	(17.63)						
% Change	-17.84%	6.25%	4.49%	-7.74%	-17.06%	-23.20%	-25.25%						