



DRAFT

Memo

To: Board of Directors
From: Karl B. Drew
Date: October 14, 2016
Subject: Draft Water Rate Study

During the process of preparing a proposal for a water rate increase, we have reviewed several areas. These areas include an analysis of water consumption use patterns of the water users and a review of the Operating Income/(Losses) of the District.

Background

Crestline Village Water District was formed in 1954 to serve water to the Crestline area. In 1979, the Lake Gregory area was annexed into the District. Over the years, several smaller areas served by mutual water companies or homeowner associations around the Crestline – Lake Gregory area have been annexed into the District at the request of the property owners. The District currently has 4,952 active services.

In 1991, the District adopted its current rate structure and began billing customers on a monthly billing cycle in response to the drought that was occurring at that time and concerns about the supplemental water supply available from the State Water Project. While there have been adjustments to the rates and the basic water allocations over the years, the basic structure remains the same as was established in 1991. The rate structure includes a “Monthly Minimum Charge” and a two-tiered consumption rate table consisting of the “Basic Allocation Rate” and the “Excess Consumption Rate”.

The “Monthly Minimum Charge” is a monthly charge based on the water service meter size. The “Basic Allocation Rate” is the rate that is charged for the “Basic Allocation” water used and the “Excess Consumption Rate” is the rate charged for water consumed in excess of the Basic Allocation. The Basic Allocation is set at 1,300 cubic feet for a 30-day period for a family size of 6 persons or less. There are provisions to adjust the Basic Allocation for individual water services based on larger family sizes, medical reasons and economic hardship.

The District’s Water Conservation Program established in 1991 determines the Basic Allocation amount and the Excess Consumption Rate. As the District determines that stricter water conservation is necessary and enters a different phase of water conservation, the Basic Allocation is decreased and the Excess Consumption Rate is increased based on the provisions of the Program. The Board of Directors sets the Monthly Minimum Charge and the Basic Allocation Rate. The Excess Consumption Rate is determined by the provisions of the Water Conservation Program.

Consumption Analysis (See Exhibit A)

This analysis (Exhibit A) shows the number of services and how much water was used at various water usage levels over the past 12 months. It breaks down the consumption usage by Commercial, Industrial and Institutional (CII) accounts and Residential accounts. The CII accounts are basically the business and public agency accounts. The Residential accounts includes single family and multi-unit residential accounts. This analysis also gives information on the accounts which have a 92325 zip code for billing purposes. We use this information to determine our full time population.

Overall, 96% of our customers stayed within the Basic Allocation of 1,300 cubic feet for a 30-day period. 88.6% used 800 cubic feet or less, and 24% used no water during a billing period. The average monthly water consumption per water service is 537 cubic feet.

96% of the total water accounts are Residential accounts and they use 87% of the total water sold. 55% of the total accounts are local Residential accounts. These local Residential accounts use 67.7% of the total water sold.

Operating Income/(Losses) (See Exhibit B)

The District is a single purpose district in that it provides only water service to its service area. The Operating Income/(Losses) is an accounting of the actual revenues and expenses related to providing water service to our water users. The District does have some Non-Operating Revenues that are used for debt service and to supplement the District's Capital Improvement/Replacement Program. Currently, the District is debt free, as it has no outstanding loans or bonds.

The District's last rate increase was adopted in May 2004, with an effective date of July 2004. With this rate increase, the Monthly Minimum Charge was increased \$2.00 and the Basic Allocation Rate was increased by \$0.45 per 100 cubic feet (ccf). The current Monthly Minimum Charge for a water service with a 5/8" x 3/4" meter is \$17.50. The Basic Allocation Rate is \$4.20 per ccf and the Excess Consumption Rate is \$6.30 per ccf.

In May 2013, the District also decreased the Monthly Minimum Charge for the Lake Gregory customers by \$4.50. In 1979, the Board of Directors had added \$4.50 to the Monthly Minimum Charge for the water services in the Lake Gregory area to pay for the required capital improvements in that area. By May 2013, all the improvements were completed and all associated debt was paid off.

In 2008-09, the District began experiencing Net Operating Losses and began discussing increases to the District's water rates. Due to the economic recession that had begun and which was affecting many of the District's property owners and water users, the decision was made to not increase the water rates, but to make do with the existing revenues. During the ensuing years, the District has experienced a decrease in the number of full-time residents, decreased water usage and increasing expenses.

For the fiscal year ending April 30, 2015, the District had a Net Operating Loss of \$804,394. The unaudited Net Operating Loss for the fiscal year ending April 30, 2016 is \$958,096.

By removing Depreciation, which is used to provide funds for the capital replacement program, the Net Operating Loss Before Depreciation for 2014-15 is \$200,639 and \$343,586 for 2015-16.

Fixed Expenses/Variable Expenses (See Exhibit C): This analysis compares the variable and fixed operating costs. Fixed costs are those costs that are associated with the cost of the District maintaining

the water system and keeping it ready to supply water to all active water services. Variable costs are those costs associated with producing the necessary amount of water which is used in the water system.

The data used for this analysis is from the audit report for the year ending April 30, 2015. The identified variable costs are \$606,010 and the fixed costs are \$2,512,279, with a total operating cost of \$3,118,289.

Fixed costs are calculated to be \$42.30 per active water service and variable costs are \$2.08 per 100 cubic feet (CCF).

Water Rate Comparison (See Exhibit D)

The Water Rate Comparison was completed in October 2016. It compares the water rates of various water districts and mutual water companies across the San Bernardino Mountains. While this data is not used in determining water rates, it does indicate how the District's rate compare to other water utilities in the same geographical area. When looking at monthly water consumption at 500 cubic feet or less, the District's water rates generate the 2nd to the lowest bills for a 5/8" x 3/4" meter size. At 800 cubic feet to 1,300 cubic feet of monthly water consumption, the District ranks 6th out of the 12 service areas surveyed.

Findings

- Rate increases should focus on the area of the Monthly Minimum Charge.
- A minimum increase of \$69.38 per year per service (\$5.78 per month) is required to eliminate the Net Operating Loss before Depreciation. This level of increase would not provide any funding for the capital improvements/replacement program.

An increase of \$193.48 per year per service (\$16.12 per month) is required to eliminate the Net Operating Loss incurred in fiscal year 2015-16.

These amounts do not provide for increases in future costs.

Recommendations

It is the Ad Hoc Water Rates Committee's recommendation that the District pursue an \$8.00 per month increase to the Monthly Minimum Charge. This would be a \$96 per year increase for each active water service and provide the necessary revenues to eliminate the Net Operating Loss before Depreciation.

The should review its water rates annually and establish a long term plan to build the necessary reserves for required capital improvements.

Crestline Village Water District

Consumption Analysis
For Year Ending 08/31/16

Exhibit A

10/12/2016

| All Accounts | | | | | | | With 92325 Zip Code | | | | | |
|--------------------------|-------------------------|------------------|--------------------|-----------------|--------------------------|-----------------|----------------------------|------------------|--------------------|-----------------|--------------------------|-----------------|
| Consumption Level | 12 Month Average | | % of Total | | % of All Accounts | | 12 Month Average | | % of Total | | % of All Accounts | |
| | In Cubic Feet | Services | Consumption | Services | Consumption | Services | Consumption | Services | Consumption | Services | Consumption | Services |
| 0 | 1,210 | - | 24.4% | 0.0% | | | 190 | - | 6.7% | 0.0% | | |
| 1-200 | 1,133 | 161,741 | 22.9% | 7.7% | | | 565 | 87,930 | 20.0% | 5.8% | | |
| 201-400 | 917 | 318,572 | 18.5% | 15.1% | | | 713 | 248,875 | 25.2% | 16.4% | | |
| 401-600 | 714 | 387,333 | 14.4% | 18.3% | | | 595 | 322,617 | 21.0% | 21.2% | | |
| 601-700 | 234 | 163,084 | 4.7% | 7.7% | | | 193 | 134,612 | 6.8% | 8.9% | | |
| 701-800 | 181 | 144,361 | 3.7% | 6.8% | | | 149 | 119,714 | 5.3% | 7.9% | | |
| 801-900 | 130 | 117,202 | 2.6% | 5.6% | | | 109 | 97,803 | 3.8% | 6.4% | | |
| 901-1000 | 95 | 94,701 | 1.9% | 4.5% | | | 77 | 76,708 | 2.7% | 5.1% | | |
| 1001-1100 | 66 | 73,122 | 1.3% | 3.5% | | | 54 | 59,661 | 1.9% | 3.9% | | |
| 1101-1200 | 50 | 59,678 | 1.0% | 2.8% | | | 38 | 46,300 | 1.3% | 3.1% | | |
| 1201-1300 | 41 | 53,382 | 0.8% | 2.5% | | | 34 | 43,848 | 1.2% | 2.9% | | |
| 1301+ | 185 | 539,150 | 3.7% | 25.5% | | | 116 | 282,128 | 4.1% | 18.6% | | |
| Total | 4,953 | 2,112,324 | 100.0% | 100.0% | 100.0% | 100.0% | 2,830 | 1,520,194 | 100.0% | 100.0% | 57.1% | 72.0% |

| CII Accounts (Commercial, Industrial and Institutional) | | | | | | | With 92325 Zip Code | | | | | |
|--|-------------------------|-----------------|--------------------|-----------------|--------------------------|-----------------|----------------------------|-----------------|--------------------|-----------------|--------------------------|-----------------|
| Consumption Level | 12 Month Average | | % of Total | | % of All Accounts | | 12 Month Average | | % of Total | | % of All Accounts | |
| | In Cubic Feet | Services | Consumption | Services | Consumption | Services | Consumption | Services | Consumption | Services | Consumption | Services |
| 0 | 40 | - | 21.7% | 0.0% | | | 17 | - | 17.4% | 0.0% | | |
| 1-200 | 42 | 5,688 | 22.6% | 2.1% | | | 25 | 3,560 | 26.3% | 4.0% | | |
| 201-400 | 17 | 5,885 | 9.2% | 2.2% | | | 10 | 3,418 | 10.0% | 3.8% | | |
| 401-600 | 16 | 8,566 | 8.7% | 3.2% | | | 10 | 5,466 | 10.0% | 6.1% | | |
| 601-700 | 7 | 4,433 | 3.5% | 1.7% | | | 5 | 3,150 | 5.3% | 3.5% | | |
| 701-800 | 7 | 4,400 | 3.5% | 1.7% | | | 4 | 2,800 | 4.2% | 3.1% | | |
| 801-900 | 3 | 2,775 | 1.6% | 1.0% | | | 2 | 1,425 | 2.1% | 1.6% | | |
| 901-1000 | 4 | 3,416 | 1.9% | 1.3% | | | 3 | 2,083 | 2.6% | 2.3% | | |
| 1001-1100 | 4 | 3,758 | 1.9% | 1.4% | | | 3 | 2,016 | 2.6% | 2.2% | | |
| 1101-1200 | 3 | 2,800 | 1.6% | 1.1% | | | 2 | 1,700 | 2.1% | 1.9% | | |
| 1201-1300 | 3 | 3,141 | 1.6% | 1.2% | | | 2 | 1,841 | 1.6% | 2.1% | | |
| 1301+ | 41 | 222,524 | 22.0% | 83.2% | | | 15 | 62,542 | 15.8% | 69.5% | | |
| Total | 184 | 267,385 | 100.0% | 100.0% | 3.7% | 12.7% | 95 | 89,999 | 100.0% | 100.0% | 1.9% | 4.3% |

Crestline Village Water District

Consumption Analysis
For Year Ending 08/31/16

Exhibit A

10/12/2016

| All Residential Accounts | | | | | With 92325 Zip Code | | | | | | | |
|---------------------------------|-------------------------|------------------|--------------------|-----------------|----------------------------|-----------------|-------------------------|------------------|--------------------|-----------------|--------------------------|-----------------|
| Consumption Level | 12 Month Average | | % of Total | | % of All Accounts | | 12 Month Average | | % of Total | | % of All Accounts | |
| | In Cubic Feet | Services | Consumption | Services | Consumption | Services | Consumption | Services | Consumption | Services | Consumption | Services |
| 0 | 1,169 | - | 24.5% | 0.0% | | | 173 | - | 6.3% | 0.0% | | |
| 1-200 | 1,092 | 156,052 | 22.9% | 8.5% | | | 539 | 84,370 | 19.7% | 5.9% | | |
| 201-400 | 900 | 312,687 | 18.9% | 17.0% | | | 704 | 245,456 | 25.7% | 17.2% | | |
| 401-600 | 699 | 378,766 | 14.7% | 20.5% | | | 584 | 317,150 | 21.4% | 22.2% | | |
| 601-700 | 228 | 158,651 | 4.8% | 8.6% | | | 188 | 131,462 | 6.9% | 9.2% | | |
| 701-800 | 175 | 139,962 | 3.7% | 7.6% | | | 146 | 116,914 | 5.3% | 8.2% | | |
| 801-900 | 127 | 114,427 | 2.7% | 6.2% | | | 107 | 96,378 | 3.9% | 6.7% | | |
| 901-1000 | 91 | 91,284 | 1.9% | 5.0% | | | 75 | 74,624 | 2.7% | 5.2% | | |
| 1001-1100 | 63 | 69,364 | 1.3% | 3.8% | | | 52 | 57,645 | 1.9% | 4.0% | | |
| 1101-1200 | 47 | 56,878 | 1.0% | 3.1% | | | 37 | 44,600 | 1.4% | 3.1% | | |
| 1201-1300 | 39 | 50,240 | 0.8% | 2.7% | | | 32 | 42,006 | 1.2% | 2.9% | | |
| 1301+ | 143 | 316,625 | 3.0% | 17.2% | | | 100 | 219,586 | 3.6% | 15.4% | | |
| Total | 4,769 | 1,844,932 | 100.0% | 100.0% | 96.3% | 87.3% | 2,735 | 1,430,188 | 100.0% | 100.0% | 55.2% | 67.7% |

Crestline Village Water District

Background Information
10/10/16

Exhibit B

Recent Rate Change History

| | | <u>Change</u> | | |
|----------------------------------|----------|-----------------------|-------------------------|----------------------|
| | | <u>Monthly Charge</u> | <u>Usage per 100 cf</u> | |
| Last District Wide Rate Increase | 7/1/2004 | \$ 2.00 | \$ 0.45 | Adopted May 25, 2004 |
| Lake Gregory Rate Equalization | 7/1/2013 | \$ (4.50) | \$ - | Adopted May 21, 2013 |

WATER RATE SCHEDULE - Current

[Water Conservation Program - Phase I.a water conservation measures in effect](#)

Monthly Minimum Charge:

| <u>Meter Size</u> | <u>Monthly Minimum Charge</u> |
|---|-------------------------------|
| 5/8 x 3/4 inch meter * | \$17.50 |
| 3/4 inch meter | 18.50 |
| 1 inch meter | 19.50 |
| 1 inch meter (Residential Fire Service) | 21.75 |
| 1 1/2 inch meter | 23.50 |
| 2 inch meter | 28.50 |
| 3 inch meter | 34.50 |

* The most common size of water meter for residential water accounts is 5/8 x 3/4 inch.

Quantity Rates:

| | |
|--|---------------------------|
| Basic Allocation Rate - 0 to 1300 cubic feet | \$4.20 per 100 cubic feet |
| Excess Consumption Rate - 1301+ cubic feet | \$6.30 per 100 cubic feet |

The quantity rates are based on a 30 day billing period. If the actual billing period is longer or shorter than 30 days, the quantity limits are prorated accordingly.

Effect of Change to Monthly Charge

| | Proposed Increase | | Equal Increase Each Year | | | |
|---|--------------------------|-----------------|---------------------------------|----------------------|----------------------|----------------------|
| | Per Month | Per Year | Year 1 Income | Year 2 Income | Year 3 Income | Year 4 Income |
| Number of Active Water Services | | | 4,952 | | | |
| | \$ 1.00 | \$ 12.00 | \$ 59,424 | \$ 118,848 | \$ 178,272 | \$ 237,696 |
| | 2.00 | 24.00 | 118,848 | 237,696 | 356,544 | 475,392 |
| | 2.50 | 30.00 | 148,560 | 297,120 | 445,680 | 594,240 |
| | 3.00 | 36.00 | 178,272 | 356,544 | 534,816 | 713,088 |
| | 4.00 | 48.00 | 237,696 | 475,392 | 713,088 | 950,784 |
| | 4.50 | 54.00 | 267,408 | 534,816 | 802,224 | 1,069,632 |
| | 5.00 | 60.00 | 297,120 | 594,240 | 891,360 | 1,188,480 |
| | 6.00 | 72.00 | 356,544 | 713,088 | 1,069,632 | 1,426,176 |
| | 7.00 | 84.00 | 415,968 | 831,936 | 1,247,904 | 1,663,872 |
| | 8.00 | 96.00 | 475,392 | 950,784 | 1,426,176 | 1,901,568 |
| | 9.00 | 108.00 | 534,816 | 1,069,632 | 1,604,448 | 2,139,264 |
| | 10.00 | 120.00 | 594,240 | 1,188,480 | 1,782,720 | 2,376,960 |
| | 11.00 | 132.00 | 653,664 | 1,307,328 | 1,960,992 | 2,614,656 |
| | 12.00 | 144.00 | 713,088 | 1,426,176 | 2,139,264 | 2,852,352 |
| Existing Rate for 5/8" x 3/4" Meter: | 17.50 | 210.00 | 1,039,920 | | | |

Crestline Village Water District

Background Information
10/10/16

Exhibit B

Review Of Operating Income/(Loss) - Audited

| Fiscal Year | Operating Income | Operating Expenses | Net Income/ (Loss) | Depreciation | Net Income/ (Loss) Before Depreciation |
|--------------------------------|------------------|--------------------|--------------------|------------------|--|
| 2003-04: | \$ 2,596,706 | \$ 2,639,098 | \$ (42,392) | \$ 568,366 | \$ 525,974 |
| 2004-05: Rate Change | 2,827,934 | 2,663,003 | 164,931 | 578,449 | 743,380 |
| 2005-06: | 2,766,016 | 2,250,783 | 515,233 | 572,369 | 1,087,602 |
| 2006-07: | 2,931,152 | 2,488,604 | 442,548 | 574,874 | 1,017,422 |
| 2007-08: | 2,834,837 | 3,371,635 | (536,798) | 554,457 | 17,659 |
| 2008-09: | 2,748,034 | 2,805,235 | (57,201) | 574,005 | 516,804 |
| 2009-10: | 2,669,472 | 2,910,921 | (241,449) | 562,884 | 321,435 |
| 2010-11: | 2,571,854 | 2,776,312 | (204,458) | 562,896 | 358,438 |
| 2011-12: | 2,497,385 | 2,799,237 | (301,852) | 575,220 | 273,368 |
| 2012-13: | 2,581,852 | 2,889,764 | (307,912) | 596,176 | 288,264 |
| 2013-14: | 2,418,899 | 3,080,677 | (661,778) | 590,728 | (71,050) |
| 2014-15: | 2,313,895 | 3,118,289 | (804,394) | 603,755 | (200,639) |
| 2015-16: Unaudited | 2,174,202 | 3,132,298 | (958,096) | 614,510 | (343,586) |
| Total from 2005 to 2016 | | | (3,116,157) | 6,381,874 | 3,265,717 |
| Average for 11 Years | | | (283,287) | 580,170 | 296,883 |

Audit In Process

| % Change From Prior Year | Operating Income | Operating Expenses |
|---------------------------------------|------------------|--------------------|
| 2003-04: | | |
| 2004-05: Rate Change | 8.18% | 0.90% |
| 2005-06: | -2.24% | -18.31% |
| 2006-07: | 5.63% | 9.56% |
| 2007-08: | -3.40% | 26.19% |
| 2008-09: | -3.16% | -20.19% |
| 2009-10: | -2.94% | 3.63% |
| 2010-11: | -3.80% | -4.85% |
| 2011-12: | -2.98% | 0.82% |
| 2012-13: | 3.27% | 3.13% |
| 2013-14: | -6.74% | 6.20% |
| 2014-15: | -4.54% | 1.21% |
| 2015-16: Unaudited | -6.43% | 0.45% |
| Total Change from 2005 to 2016 | -27.31% | 7.83% |
| 11 Year Average Annual Change | -2.48% | 0.71% |

Change in Water Sales (Includes Monthly Charge and Consumption Charges)

| Fiscal Year | Water Sales | Change | % Change |
|---------------------------------------|--------------|------------------|----------------|
| 2003-04: | \$ 2,554,115 | | |
| 2004-05: Rate Change | 2,793,707 | 239,592 | 8.58% |
| 2005-06: | 2,731,254 | (62,453) | -2.29% |
| 2006-07: | 2,834,528 | 103,274 | 3.64% |
| 2007-08: | 2,742,754 | (91,774) | -3.35% |
| 2008-09: | 2,649,380 | (93,374) | -3.52% |
| 2009-10: | 2,576,168 | (73,212) | -2.84% |
| 2010-11: | 2,478,313 | (97,855) | -3.95% |
| 2011-12: | 2,411,144 | (67,169) | -2.79% |
| 2012-13: | 2,497,114 | 85,970 | 3.44% |
| 2013-14: | 2,338,203 | (158,911) | -6.80% |
| 2014-15: | 2,238,572 | (99,631) | -4.45% |
| 2015-16: Unaudited | 2,094,227 | (144,345) | -6.89% |
| Total Change from 2005 to 2016 | | (699,480) | -29.79% |
| 11 Year Average Annual Change | | (63,589) | -2.71% |

Crestline Village Water District
Operating Costs Analysis
For Year Ending 04/30/15

10/12/2016

Exhibit C

Total Operating Expenses **\$ 3,118,289**

Variable Expenses

| Source of Supply | Total | Wells | Purchased | Shared |
|--------------------------------|-------------------|---------------|----------------|----------------|
| Purchased Water | \$ 453,320 | | 453,320 | |
| Other | 69,020 | | | 69,020 |
| Pumping | 66,496 | 66,496 | | |
| Water Treatment | 17,174 | | | 69,020 |
| Total Variable Expenses | \$ 606,010 | 66,496 | 453,320 | 138,040 |

| | | | | |
|--|----------------|----------------|----------------|---------|
| Water Production - 100 CF (CCF) | 291,084 | 119,375 | 171,709 | |
| Cost per CCF | | \$ 0.56 | \$ 2.64 | \$ 0.47 |
| Shared Cost per CCF | | 0.47 | 0.47 | |
| Total Incremental Cost per CCF | | 1.03 | 3.11 | |
| Average Cost per CCF | \$ 2.08 | | | |

Fixed Expenses **\$ 2,512,279**

Average Per Service Cost (4,949 Services) **507.63**

Average Monthly Per Service Cost **\$ 42.30**

Mountain Area Water Rate Comparison

Exhibit D

| DISTRICT | Monthly Minimum Charge – By Meter Size | | | | | | |
|---|--|--------------|--------------|--------------|--------------|--------------|--------------|
| | 5/8" | ¾" | 1" | 1" Fire | 1 ½" | 2" | 3" |
| Alpine Water Users Association | 22.50 | | 28.50 | | 34.50 | 34.50 | 46.50 |
| Arrowbear Park County Wtr Dist* | 24.50 | | | | | | |
| Big Bear City CSD | 34.89 | 34.89 | 34.89 | | | | |
| Big Bear Lake Water & Power** | 44.70 | | 80.03 | | | | |
| Cedarpines Park Mutual Wtr Dist | 47.53 | 47.53 | 47.53 | 47.53 | 47.53 | | |
| LACSD – Arrowhead Woods | 36.24 | 36.24 | 88.78 | | 177.56 | 283.73 | 567.81 |
| LACSD – Deer Lodge Park | 27.48 | 27.48 | 67.34 | | 134.66 | 215.19 | |
| LACSD – Rimforest Wtr | 47.80 | 47.80 | 87.17 | 54.48 | 109.83 | 140.90 | 233.04 |
| Running Springs Wtr District | | 28.50 | 64.19 | 103.71 | 123.62 | 194.96 | 420.84 |
| Valley of Enchant Mutual Wtr | 26.00 | 28.00 | 30.00 | | 33.00 | 36.00 | |
| Crestline Village Water District | 17.50 | 18.50 | 19.50 | 21.75 | 23.50 | 28.50 | 34.50 |

*Includes 600 cubic feet of water

**Includes 800 cubic feet of water

| DISTRICT | Water Usage Rate (\$/100 CF) |
|---|--|
| Alpine Water Users Association | \$3.30 (1-15 CCF) \$6.60 (>15 CCF) |
| Arrowbear Park County Wtr Dist | \$6.00 (>6 CCF) |
| Big Bear City CSD | \$1.79 (0-12 CCF) \$1.92 (13-38 CCF) \$2.67 (>38 CCF) |
| Big Bear Lake Water & Power | \$2.70 (9-24 CCF) \$3.74 (25-40 CCF) \$5.58 (41-60 CCF) \$9.50 (61-100 CCF) \$12.78 (>100 CCF) |
| Cedarpines Park Mutual Wtr Dist | \$8.70 (0-480 CF) \$10.30 (481-1121 CF) \$12.90 (>1121 CF) |
| LACSD – Arrowhead Woods | \$1.22 (0-4 CCF) \$2.32 (5-13 CCF) \$6.87 (14-30 CCF) \$14.31 (>31 CCF) |
| LACSD – Deer Lodge Park | \$3.45 (0-10 CCF) \$4.12 (>10 CCF) |
| LACSD – Rimforest Wtr | \$5.00 per CCF |
| Running Springs Wtr District | \$4.26 per CCF |
| Valley of Enchantment Mutual Wtr | \$10.75 (1-600 CF) \$13.00 (601-1200 CF) \$15.00 (>1200 CF) |
| Crestline Village Water District | \$4.20 (0-13 CCF) \$6.30 (>13 CCF) |

Mountain Area Water Rate Comparison

| DISTRICT | Average Monthly Water Bill - 5/8" Meter | | | |
|---|---|--------|--------|----------|
| | 0 Cubic Feet | 500 CF | 800 CF | 1,300 CF |
| Alpine Water Users Association | 22.50 | 39.00 | 48.90 | 65.40 |
| Arrowbear Park County Wtr Dist | 24.50 | 24.50 | 36.50 | 66.50 |
| Big Bear City CSD | 34.89 | 43.84 | 49.21 | 62.13 |
| Big Bear Lake Water & Power | 44.70 | 44.70 | 44.70 | 58.20 |
| Cedarpines Park Mutual Wtr Dist | 47.53 | 91.35 | 122.25 | 178.40 |
| LACSD – Arrowhead Woods | 36.24 | 43.44 | 50.40 | 62.00 |
| LACSD – Deer Lodge Park | 27.48 | 44.73 | 55.08 | 74.34 |
| LACSD – Rimforest Wtr | 47.80 | 72.80 | 87.80 | 112.80 |
| Running Springs Wtr District * | 28.50 | 49.80 | 62.58 | 83.88 |
| Valley of Enchantment Mutual Wtr | 26.00 | 79.75 | 116.50 | 183.50 |
| Crestline Village Water District | 17.50 | 38.50 | 51.10 | 72.10 |

* Running Springs Water District's minimum meter size is a full ¾" meter.

| DISTRICT | Annual Assessment |
|---|--|
| Alpine Water Users Association | \$100 per parcel |
| Arrowbear Park County Wtr Dist | |
| Big Bear City CSD | Improved (Less than 1 acre): \$30.00 Unimproved: \$40.00 |
| Big Bear Lake Water & Power | |
| Cedarpines Park Mutual Wtr Dist | None |
| LACSD – Arrowhead Woods | None |
| LACSD – Deer Lodge Park | None |
| LACSD – Rimforest Wtr | None |
| Running Springs Wtr District | \$30.00 |
| Valley of Enchantment Mutual Wtr | None |
| Crestline Village Water District | Improved (Less than 1 acre): \$15.00 Unimproved (Less than 1 acre): \$30.00 |