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Memorandum of
 Understanding

Water Supply & Reuse																						
Reporting Unit: Crestline Village Water District	Year: 2000	Submitted to CUWCC 02/22/2001																				
Water Supply Source Information You must click "Update" or "Delete" for each supply source you identify. Selecting Update is the same as the "Save Session" button on other forms. Acre Feet Conversion Calculator																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Supply Source Name</th> <th style="text-align: left;">Quantity (AF) Supplied</th> <th style="text-align: left;">Supply Type</th> <th style="text-align: left;">Update/Delete a Supply Source</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td>Choose One ▾</td> <td> </td> </tr> <tr> <td>District Wells</td> <td>385.87</td> <td>Groundwater ▾</td> <td> </td> </tr> <tr> <td>CLAWA</td> <td>445.8</td> <td>Imported ▾</td> <td> </td> </tr> <tr> <td colspan="4" style="text-align: center;">Total AF: 831.67</td> </tr> </tbody> </table>	Supply Source Name	Quantity (AF) Supplied	Supply Type	Update/Delete a Supply Source			Choose One ▾		District Wells	385.87	Groundwater ▾		CLAWA	445.8	Imported ▾		Total AF: 831.67					
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Memorandum of
 Understanding

Accounts & Water Use					
Reporting Unit Name: Crestline Village Water District			Submitted to CUWCC 02/22/2001		Year: 2000
A. Service Area Population Information:					
1. Total service area population		6900			
B. Number of Accounts and Water Deliveries (AF)					
	Type	Metered		Unmetered	
		No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1.	Single-Family	4593	646.83	0	0
2.	Multi-Family	47	20.7	0	0
3.	Commercial	156	74.89	0	0
4.	Industrial	0	0	0	0
5.	Institutional	23	48.59	0	0
6.	Dedicated Irrigation	0	0	0	0
7.	Other	0	0	0	0
8.	Unaccounted	NA	40.66	NA	0
Total		4819	831.67	0	0
AF Conversion Calculator:		Metered		Unmetered	

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BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: Crestline Village Water District	Submitted to CUWCC 02/22/2001	Year: 2000
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A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 03/19/1996, your Agency STRATEGY DUE DATE is: | 07/01/1998 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 12/15/1997 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 12/15/1997 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	920	10
2. Number of surveys completed:	120	8

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|-------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | no | no |
| 9. Measure total irrigable area (Recommended but not required for surveys) | no | no |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Other |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | no | no |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | no | no |
| a. If yes, in what form are surveys tracked? | | None |

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	5000	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 02: Residential Plumbing Retrofit

Reporting Unit:
Crestline Village Water District

Submitted to CUWCC
02/22/2001

Year:
2000

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
2. Has your agency satisfied the 75% saturation requirement for single-family housing units? no
3. Estimated percent of single-family households with low-flow showerheads: %
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? no
5. Estimated percent of multi-family households with low-flow showerheads: %

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? no
 - a. If YES, when did your agency begin implementing this strategy?

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	0
3. Number of toilet-displacement devices distributed:	10	550
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	0	0
6. Does your agency track the distribution and cost of low-flow devices? a. If YES, in what format are low-flow devices tracked?		no

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	100	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:
Crestline Village
Water District

Submitted to
CUWCC
02/22/2001

Year:
2000

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 791.01
 - b. Determine other system verifiable uses (AF) 3.44
 - c. Determine total supply into the system (AF) 831.67
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.96
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? yes
4. Did your agency complete a full-scale audit during this report year? [Field Tag: The field "awwa_audit_required_yn" could not be found]
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? yes
6. Does your agency operate a system leak detection program? yes

B. Survey Data

1. Total number of miles of distribution system line. 88
2. Number of miles of distribution system line surveyed. 85

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	12000	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit:
Crestline Village Water District

Submitted to CUWCC
02/22/2001

Year:
2000

A. Implementation

- | | |
|---|-----|
| 1. Does your agency require meters for all new connections and bill by volume-of-use? | yes |
| 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? | no |
| a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed? | |
| 3. Number of previously unmetered accounts fitted with meters during report year. | 0 |

B. Feasibility Study

- | | |
|--|----|
| 1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? | no |
| a. If YES, when was the feasibility study conducted?
(mm/dd/yy) | |
| 2. Number of CII accounts with mixed-use meters. | 3 |
| 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. | 0 |

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
|---|----|

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BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
Crestline Village Water District

Submitted to CUWCC
 02/22/2001

Year:
 2000

A. Water Use Budgets

- | | |
|--|----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 0 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | no |
| a. If YES, when did your agency begin implementing this strategy? | |
| 2. Number of Surveys Offered. | 0 |
| 3. Number of Surveys Completed. | 0 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | no |
| b. Distribution Uniformity Analysis | no |
| c. Review / Develop Irrigation Schedules | no |
| d. Measure Landscape Area | no |
| e. Measure Total Irrigable Area | no |
| f. Provide Customer Report / Information | no |
| 5. Do you track survey offers and results? | no |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | no |

C. Other BMP 5 Actions

- | | |
|---|----|
| 1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. Does your agency provide mixed-use accounts with landscape budgets? | no |
| 2. Number of CII mixed-use accounts with landscape budgets. | 0 |
| 3. Do you offer landscape irrigation training? | no |
| 4. Does your agency offer financial incentives to improve landscape water use efficiency? | no |

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
------------------------------	-----------------------	-----------------------------	----------------------

 a. Rebates

b. Loans

c. Grants

- | | |
|--|-----|
| 5. Do you provide landscape water use efficiency information to new customers and customers changing services? | No |
| 6. Do you have irrigated landscaping at your facilities? | yes |
| a. If yes, is it water-efficient? | yes |
| b. If yes, does it have dedicated irrigation metering? | no |
| 7. Do you provide customer notices at the start of the irrigation season? | no |
| 8. Do you provide customer notices at the end of the irrigation season? | no |

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

E. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
|---|----|

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BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: Crestline Village Water District	Submitted to CUWCC 02/22/2001	Year: 2000
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A. Implementation

- | | |
|---|----|
| 1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? | no |
| 2. Does your agency offer rebates for high-efficiency washers? | no |
| 3. What is the level of the rebate? | 0 |
| 4. Number of rebates awarded. | 0 |

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | no |
|---|----|

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BMP 07: Public Information Programs

Reporting Unit:
Crestline Village Water District

Submitted to CUWCC
02/22/2001

Year:
2000

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes
2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	
b. Public Service Announcement	no	
c. Bill Inserts / Newsletters / Brochures	yes	6
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	
f. Special Events, Media Events	no	
g. Speaker's Bureau	yes	4
h. Program to coordinate with other government agencies, industry and public interest groups and media	no	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	500	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 08: School Education Programs

Reporting Unit: Crestline Village Water District	Submitted to CUWCC 02/22/2001	Year: 2000
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A. Implementation

1. Has your agency implemented a school information program to promote water conservation? no

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	1	22	0
Grades 4th-6th	yes	1	35	0
Grades 7th-8th	yes	0	0	0
High School	yes	0	0	0

3. Did your Agency's materials meet state education framework requirements? no

4. When did your Agency begin implementing this program?

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	100	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Crestline Village Water
 District**

Submitted to CUWCC
 02/22/2001

Year:
 2000

A. Implementation

- | | |
|--|-----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | yes |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | no |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | no |

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|-----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | yes |
|---|-----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	15	0	3
b. Number of New Surveys Completed	2	0	1
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	3	0	1
CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	yes	no	yes
f. Evaluation of all water-using apparatus and processes	yes	no	yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	yes	no	no
Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

- 5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option? yes
- 6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings? no
- 7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. .5
- 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. .6

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 11: Conservation Pricing

Reporting Unit:
Crestline Village
Water District

Submitted to CUWCC
02/22/2001

Year:
2000

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$1109555
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$1002240

2. Commercial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$102000
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$42960

4. Institutional / Government

- a. Water Rate Structure Increasing Block
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$144225
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$460

5. Irrigation

- a. Water Rate Structure Increasing Block
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$0

6. Other

- a. Water Rate Structure Increasing Block
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$0

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

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BMP 12: Conservation Coordinator

Reporting Unit: Crestline Village Water District	Submitted to CUWCC 02/22/2001	Year: 2000
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A. Implementation

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? no
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program? no
4. Partner agency's name:
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 5%
 - b. Coordinator's Name Karl B Drew
 - c. Coordinator's Title Office Manager
 - d. Coordinator's Experience and Number of Years On the job for 20 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 12/15/1997
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

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BMP 13: Water Waste Prohibition

Reporting Unit: Crestline Village Water District	Submitted to CUWCC 02/22/2001	Year: 2000
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A. Requirements for Documenting BMP Implementation

- | | |
|---|-----|
| 1. Is a water waste prohibition ordinance in effect in your service area? | yes |
| 2. Is a copy of the most current ordinance(s) on file with CUWCC? | no |

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

- | | |
|---|-----|
| a. Gutter flooding | yes |
| b. Single-pass cooling systems for new connections | no |
| c. Non-recirculating systems in all new conveyor or car wash systems | yes |
| d. Non-recirculating systems in all new commercial laundry systems | no |
| e. Non-recirculating systems in all new decorative fountains | yes |
| f. Other, please name
customer plumbing leaks, hosing of hard surfaces | yes |

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

- | | |
|---|-----|
| a. Allow the sale of more efficient, demand-initiated regenerating DIR models. | no |
| b. Develop minimum appliance efficiency standards that: | |
| i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. | no |
| ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. | no |
| c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. | yes |

4. Does your agency include water softener checks in home water audit programs? no

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? no

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?

no

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BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
Crestline Village Water District

Submitted to CUWCC
02/22/2001

Year:
2000

A. Implementation

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	no	no

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	0	0

Total	0	0
--------------	----------	----------

6. Describe your agency's ULFT program for single-family residences. Required for new construction

7. Describe your agency's ULFT program for multi-family residences. Required for new construction

8. Is a toilet retrofit on resale ordinance in effect for your service area? no

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

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Water Supply & Reuse

Reporting Unit:

Crestline Village Water District

Year:

2004

Water Supply Source Information

Supply Source Name

Quantity (AF) Supplied Supply Type

Crestline-Lake Arrowhead Water Agency

562.19

Imported

Wells

354.98

Groundwater

Total AF: 917.17

Accounts & Water Use

Reporting Unit Name:
Crestline Village Water District

Submitted to
CUWCC
10/27/2005

Year:
2004

A. Service Area Population Information:

1. Total service area population 7200

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	4627	712.85	0	0
2. Multi-Family	51	23.28	0	0
3. Commercial	159	71.74	0	0
4. Industrial	0	0	0	0
5. Institutional	22	47.35	0	0
6. Dedicated Irrigation	0	0	0	0
7. Recycled Water	0	0	0	0
8. Other	0	0	0	0
9. Unaccounted	NA	63.95	NA	0
Total	4859	919.17	0	0

Metered

Unmetered

Reported as of 11/8/05

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 03/19/1996, your Agency STRATEGY DUE DATE is: | 03/19/1998 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 12/15/1997 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 12/15/1997 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	917	9
2. Number of surveys completed:	142	2

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | no | no |
| 9. Measure total irrigable area (Recommended but not required for surveys) | no | no |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | None |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | no | no |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | no | no |
| a. If yes, in what form are surveys tracked? | | None |
| b. Describe how your agency tracks this information. | | |

C. Water Survey Program Expenditures

This Year	Next Year
------------------	------------------

1. Budgeted Expenditures	0	0
2. Actual Expenditures	500	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 02: Residential Plumbing Retrofit

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
 - a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? no
3. Estimated percent of single-family households with low-flow showerheads: %
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? no
5. Estimated percent of multi-family households with low-flow showerheads: %
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? no
 - a. If YES, when did your agency begin implementing this strategy?
 - b. Describe your targeting/ marketing strategy.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units	
2. Number of low-flow showerheads distributed:	0	0	
3. Number of toilet-displacement devices distributed:	0	0	
4. Number of toilet flappers distributed:	0	0	
5. Number of faucet aerators distributed:	0	0	
6. Does your agency track the distribution and cost of low-flow devices?			no
<ol style="list-style-type: none"> a. If YES, in what format are low-flow devices tracked? b. If yes, describe your tracking and distribution system : 			

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- 1. Has your agency completed a pre-screening system audit for this reporting year? yes
- 2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 855.22
 - b. Determine other system verifiable uses (AF) 3.86
 - c. Determine total supply into the system (AF) 917.17
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.94
- 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? yes
- 4. Did your agency complete a full-scale audit during this report year? no
- 5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? yes
- 6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

Survey all mains and services every 6 months.

B. Survey Data

- 1. Total number of miles of distribution system line. 90
- 2. Number of miles of distribution system line surveyed. 90

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	69000	

D. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- 1. Does your agency require meters for all new connections and bill by volume-of-use? yes
- 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? no
 - a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed?
 - b. Describe the program:
- 3. Number of previously unmetered accounts fitted with meters during report year. 0

B. Feasibility Study

- 1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? no
 - a. If YES, when was the feasibility study conducted? (mm/dd/yy)
 - b. Describe the feasibility study:
- 2. Number of CII accounts with mixed-use meters. 3
- 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. 0

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
Crestline Village Water District

BMP Form Status:
100% Complete

Year:
2004

A. Water Use Budgets

- | | |
|--|----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 0 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | no |
| a. If YES, when did your agency begin implementing this strategy? | |
| b. Description of marketing / targeting strategy: | |
| 2. Number of Surveys Offered. | 0 |
| 3. Number of Surveys Completed. | 0 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | no |
| b. Distribution Uniformity Analysis | no |
| c. Review / Develop Irrigation Schedules | no |
| d. Measure Landscape Area | no |
| e. Measure Total Irrigable Area | no |
| f. Provide Customer Report / Information | no |
| 5. Do you track survey offers and results? | no |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | no |
| a. If YES, describe below: | |

C. Other BMP 5 Actions

- | | |
|---|----|
| 1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. Does your agency provide mixed-use accounts with landscape budgets? | no |
| 2. Number of CII mixed-use accounts with landscape budgets. | 0 |
| 3. Do you offer landscape irrigation training? | no |
| 4. Does your agency offer financial incentives to improve landscape water use efficiency? | no |

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0

b. Loans	0	0	0
c. Grants	0	0	0

5. Do you provide landscape water use efficiency information to new customers and customers changing services? No

a. If YES, describe below:

6. Do you have irrigated landscaping at your facilities? yes

a. If yes, is it water-efficient? yes

b. If yes, does it have dedicated irrigation metering? no

7. Do you provide customer notices at the start of the irrigation season? no

8. Do you provide customer notices at the end of the irrigation season? no

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

F. Comments

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- 1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? no
 - a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is.

- 2. Does your agency offer rebates for high-efficiency washers? no
- 3. What is the level of the rebate? 0
- 4. Number of rebates awarded. 0

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 07: Public Information Programs

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

Managers and Supervisors are available to speak at schools and service organizations. The District also provides informational inserts with its water bills. Information is also provided on the District's internet site.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	0
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	6
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	no	0
g. Speaker's Bureau	yes	2
h. Program to coordinate with other government agencies, industry and public interest groups and media	no	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	500	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 08: School Education Programs

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? no

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	no	1	24	0
Grades 4th-6th	no	0	0	0
Grades 7th-8th	no	0	0	0
High School	no	0	0	0

3. Did your Agency's materials meet state education framework requirements? no

4. When did your Agency begin implementing this program?

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
Crestline Village Water District

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Has your agency identified and ranked COMMERCIAL customers according to use? yes
2. Has your agency identified and ranked INDUSTRIAL customers according to use? no
3. Has your agency identified and ranked INSTITUTIONAL customers according to use? yes

Option A: CII Water Use Survey and Customer Incentives Program

4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? yes

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	12	0	3
b. Number of New Surveys Completed	4	0	1
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0

CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	yes	no	yes
f. Evaluation of all water-using apparatus and processes	yes	no	yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	yes	no	yes

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this no

option?

6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings? no

7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991.

8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991.

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	200	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 09a: CII ULFT Water Savings

Reporting Unit:

Crestline Village Water District

BMP Form Status:
100% Complete

Year:
2004

1. Did your agency implement a CII ULFT replacement program in the reporting year?
If No, please explain why on Line B. 10.

No

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program?

Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

2. How does your agency advertise this program? Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.)

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency?

3. What is the total number of customer accounts participating in the program during the last year ?

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices				
b. Retail / Wholesale				
c. Hotels				
d. Health				
e. Industrial				
f. Schools: K to 12				
g. Eating				
h. Government				
i. Churches				
j. Other				

5. Program design.

6. Does your agency use outside services to implement this program?

a. If yes, check all that apply.

7. Participant tracking and follow-up.

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

a. Disruption to business

b. Inadequate payback

c. Inadequate ULFT performance

d. Lack of funding

e. American's with Disabilities Act

f. Permitting

g. Other. Please describe in B. 9.

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

Customers have incentive to lower water consumption due to high water rates.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor		
b. Materials		
c. Marketing & Advertising		
d. Administration & Overhead		
e. Outside Services		
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution		
b. State agency contribution		
c. Federal agency contribution		
d. Other contribution		
e. Total		0

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:
Crestline Village Water District

BMP Form
 Status:
100% Complete

Year:
2004

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$1486771
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$783146

2. Commercial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$176358
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$26618

3. Industrial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$123979.34
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$3583

5. Irrigation

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 12: Conservation Coordinator

Reporting Unit: **Crestline Village Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- 1. Does your Agency have a conservation coordinator? yes
- 2. Is this a full-time position? no
- 3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
- 4. Partner agency's name:
- 5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 5%
 - b. Coordinator's Name Karl B Drew
 - c. Coordinator's Title Office Manager
 - d. Coordinator's Experience and Number of Years On the job 24 years.
 - e. Date Coordinator's position was created (mm/dd/yyyy) 12/15/1997
- 6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 13: Water Waste Prohibition

Reporting Unit:

Crestline Village Water District

BMP Form Status:

100% Complete

Year:

2004**A. Requirements for Documenting BMP Implementation**

1. Is a water waste prohibition ordinance in effect in your service area? yes

a. If YES, describe the ordinance:

Pursuant to the District's Water Conservation Ordinance water waste is prohibited. Prohibitions include leaks, gutter flooding and other measures during periods of shortages.

2. Is a copy of the most current ordinance(s) on file with CUWCC? no

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

Crestline Sanitation District

Unknown

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

a. Gutter flooding yes

b. Single-pass cooling systems for new connections no

c. Non-recirculating systems in all new conveyor or car wash systems yes

d. Non-recirculating systems in all new commercial laundry systems no

e. Non-recirculating systems in all new decorative fountains yes

f. Other, please name customer leaks, hosing of hard surfaces yes

2. Describe measures that prohibit water uses listed above:

(1) Written warning; (2) Additional charge; (3) Flow restrictors and/or discontinuance of service.

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

a. Allow the sale of more efficient, demand-initiated regenerating DIR models. no

b. Develop minimum appliance efficiency standards that:

i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. no

ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. no

c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. yes

4. Does your agency include water softener checks in home water audit programs? no

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? no

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

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

Source Name	December	January '00	February	March	April	May	June	July	August	September	October	November	December	12 Months Total	13 Months Total
1 Aldorf	83,358	87,611	81,987	91,321	88,935	84,520	81,167	81,724	77,979	66,465	41,035	71,523	66,037	920,304	1,003,662
2 Pioneer #2	103,930	108,447	95,378	100,811	99,306	94,110	91,428	92,375	89,117	76,082	75,776	74,022	70,470	1,065,322	1,169,252
3 Pioneer #1	57,060	57,038	64,800	85,484	75,323	59,083	49,724	46,150	43,580	44,559	72,107	44,807	42,079	684,734	741,794
4 Old Mill Springs	49,820	49,310	46,990	71,650	69,120	63,240	56,260	53,480	48,430	39,720	40,710	38,780	38,420	616,110	665,930
5 Lower Wall	5,256	4,584	18,620	46,270	21,889	13,704	7,043	15,714	3,642	5,217	6,650	7,222	5,175	155,730	160,986
6 Maple Springs	90,107	90,478	82,114	88,166	84,621	78,308	73,310	71,461	67,071	59,552	62,267	54,455	48,676	860,479	950,566
7 Willow Springs	24,170	22,560	19,550	32,150	32,160	27,420	22,790	21,170	17,960	13,380	13,310	11,880	7,400	241,730	265,900
8 Brookside Springs	29,540	28,830	33,490	66,280	64,380	53,640	43,150	44,500	36,590	28,550	34,210	33,590	19,700	486,910	516,450
9 Pioneer Vertical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Hillside Springs	23,360	23,500	20,130	24,620	25,800	24,450	23,190	22,240	20,720	18,430	19,270	17,260	15,900	255,510	278,870
11 Pinecrest	46,060	36,580	38,580	58,670	76,630	77,560	70,340	65,410	57,380	46,170	48,590	40,440	36,300	652,650	698,710
12 Cypress Vertical	100,790	155,300	117,400	132,900	141,030	128,970	126,140	118,030	130,150	124,500	132,470	122,210	116,710	1,545,810	1,646,600
13 Anderson Vertical	113,300	125,300	101,000	0	34,400	142,900	119,200	122,300	97,100	85,400	84,800	98,800	58,100	1,068,300	1,182,600
14 Clifton Heights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Division 10 Totals	726,751	787,538	720,039	798,322	813,594	847,905	763,742	754,554	689,719	608,025	631,195	614,989	524,967	8,554,589	9,281,340
16 Division 20	183,700	187,600	162,700	170,100	166,100	157,000	153,000	154,500	148,600	135,600	107,100	108,100	106,300	1,756,700	1,940,400
17 Wilson Springs #1 & 2	221,300	219,400	223,900	207,700	237,900	238,800	233,100	240,300	175,400	116,600	245,000	226,500	217,900	2,582,500	2,803,800
18 Wilson Vertical	129,300	128,900	112,100	121,200	124,700	120,100	116,900	116,800	110,700	101,200	107,100	97,000	90,500	1,347,200	1,476,500
19 Forest	96,400	103,900	91,800	100,200	101,800	98,300	96,500	98,400	96,400	88,200	96,800	89,700	86,000	1,148,000	1,244,400
20 Jowall, Inc. 64	29,500	30,200	27,600	33,600	34,300	32,300	30,300	30,100	28,800	28,600	28,600	30,400	29,100	361,900	391,400
21 Cathcart	27,600	27,300	24,000	30,300	27,700	24,900	22,000	21,000	18,700	18,100	20,400	20,800	19,100	274,300	301,900
22 Bergschrund	6,600	7,300	8,300	13,900	13,900	12,900	10,300	12,000	9,500	7,200	5,200	6,400	3,300	110,200	116,800
23 Chantons	21,900	22,800	22,100	30,800	32,000	29,900	800	4,200	23,500	22,500	22,400	20,300	16,800	250,100	272,000
24 Valle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Chillon 64	31,700	33,800	24,600	26,800	27,100	26,600	27,000	28,700	29,000	27,500	31,400	29,600	28,600	340,900	372,600
26 Government	6,400	6,500	6,200	9,300	9,200	8,700	7,200	6,700	6,300	5,400	5,800	5,400	5,200	81,900	88,300
27 Lewter	754,400	767,700	703,300	743,900	774,700	749,500	697,100	712,700	646,900	548,900	669,800	634,200	605,000	8,253,700	9,008,100
28 Division 20 Totals	1,481,151	1,555,236	1,423,339	1,542,222	1,586,294	1,597,405	1,460,842	1,467,254	1,336,619	1,156,925	1,300,995	1,249,189	1,129,967	16,808,289	18,289,440
29 Total District Sources	651,337	684,091	496,123	675,000	766,845	1,186,898	1,587,166	1,691,845	1,578,209	1,378,075	1,187,647	852,807	743,583	12,808,289	13,459,626
30 C.L.A.W.A.	218,390	226,631	187,112	177,781	174,412	216,738	252,045	275,775	307,380	284,225	233,489	170,789	164,799	2,671,176	2,887,566
31 Crest Forest 6"	90,120	76,430	50,896	63,249	49,011	80,535	138,824	96,123	161,658	195,949	153,155	107,594	100,789	1,274,213	1,364,333
32 Mile High Park 2"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Mile High Park 4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Pinecrest 2"	25,267	36,056	23,570	25,775	33,503	41,765	50,936	57,032	57,620	41,778	45,348	23,503	22,888	459,774	485,041
35 Stewart Ranch	0	0	0	0	0	0	67,500	149,104	348,035	136,444	90,615	65,668	857,366	857,366	857,366
36 Lake Drive 2"	0	0	0	0	0	0	0	344,226	557,754	121,658	0	0	0	1,023,638	1,023,638
37 Lake Drive 4"	0	0	0	0	0	0	0	40,909	61,230	0	0	0	0	158,155	158,155
38 Camp Seely	983,114	1,023,208	757,701	941,805	1,023,771	1,581,952	2,096,471	2,748,864	2,796,445	2,369,720	1,736,083	1,245,308	1,097,727	19,419,055	20,402,169
39 C.L.A.W.A. Totals	2,464,285	2,578,446	2,181,040	2,484,027	2,612,065	3,179,357	3,557,313	4,216,118	4,133,064	3,526,645	3,037,078	2,484,497	2,227,894	36,227,344	38,691,609
40 Grand Totals	9,247,946	9,832,984	8,601,379	9,279,027	9,881,159	11,766,303	13,144,119	13,917,962	12,711,413	10,905,020	10,524,173	9,733,686	8,872,554	128,035,633	138,981,249

10 Wilson Springs #1 & 2
11 Forest
12 Bergschrund
13 Chantons
14 Valle
15 Chillon 64
16 Government
17 Lewter
18 Division 20 Totals
19 Total District Sources

30 C.L.A.W.A.
31 Crest Forest 6"
32 Mile High Park 2"
33 Mile High Park 4"
34 Pinecrest 2"
35 Stewart Ranch
36 Lake Drive 2"
37 Lake Drive 4"
38 Camp Seely
39 C.L.A.W.A. Totals

40 Grand Totals

Crestline Village Water District Source of Supply Production Report System Loss - Last 13 Months In Cubic Feet

Sources of Supply	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
Wells	1,481,151	1,555,238	1,423,339	1,542,222	1,588,294	1,597,405	1,460,842	1,467,254	1,336,619	1,156,925	1,300,995	1,249,189	1,129,967	18,289,440
Purchased Water	983,114	1,023,208	757,701	941,805	1,023,771	1,581,952	2,096,471	2,748,864	2,796,445	2,369,720	1,736,083	1,245,308	1,097,727	20,402,169
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Water Supplied	2,464,265	2,578,446	2,181,040	2,484,027	2,612,065	3,179,357	3,557,313	4,216,118	4,133,064	3,526,645	3,037,078	2,494,497	2,227,694	38,691,609

Water Used **	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
Metered Accounts	1,034,354	1,112,345	974,229	1,048,118	1,186,507	1,382,731	1,588,855	1,755,760	1,708,827	1,677,169	1,381,972	1,114,239	970,892	16,916,098
Crestline Area	1,239,659	1,344,758	1,102,794	1,181,271	1,257,555	1,444,940	1,639,959	2,078,559	2,129,635	1,727,330	1,776,009	1,260,725	1,197,250	19,390,444
Lake Gregory Area	24,068	(13,855)	(6,962)	30,559	(20,321)	46,704	3,433	(68,056)	77,202	(3,851)	(45,231)	(732)	(73,859)	(50,901)
Change in Storage	18,397	6,618	3,764	8,569	10,948	15,553	10,639	22,288	13,137	10,692	10,066	6,183	13,122	149,976
Flushing & Other	2,316,478	2,449,866	2,073,925	2,278,517	2,434,689	2,889,928	3,242,886	3,788,551	3,928,801	3,411,340	3,102,816	2,380,415	2,107,505	36,405,617

Accounted for Water	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
System Loss (CF)	147,787	128,580	107,215	205,510	177,376	289,429	314,427	427,567	204,263	115,305	(65,738)	114,082	120,189	2,285,992
System Loss (%)	6.0%	5.0%	4.9%	8.3%	6.8%	9.1%	8.8%	10.1%	4.9%	3.3%	-2.2%	4.6%	5.4%	5.9%
System Loss (GPM)	25.6	20.9	19.2	34.4	29.7	50.1	54.4	71.6	34.2	20.7	(10.7)	19.8	21.5	30.1

Month to Month Averaging ***	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
System Loss (CF)	55,336	136,184	117,898	156,363	191,443	233,403	301,928	370,997	315,815	159,784	24,784	24,172	117,136	2,207,343
System Loss (%)	2.3%	5.5%	5.0%	6.6%	7.5%	7.9%	9.0%	9.5%	7.5%	4.1%	0.6%	1.2%	5.0%	5.7%
System Loss (GPM)	9.6	23.2	20.0	26.8	32.1	39.9	52.3	63.0	52.9	27.4	5.0	4.5	20.6	29.0

Estimated Uses	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
Known leaks - Est. loss	27,530	27,530	1,203	1,925	201	10,041	17,941	10,695	3,850	2,077	12,032	12,045	3,144	130,214
Total Estimated Uses	27,530	27,530	1,203	1,925	201	10,041	17,941	10,695	3,850	2,077	12,032	12,045	3,144	130,214

Unaccounted for Water (CF)	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
Unaccounted For (%)	4.9%	3.9%	4.9%	8.2%	6.8%	8.8%	8.3%	9.9%	4.9%	3.2%	-2.6%	4.1%	5.3%	5.6%
Unaccounted For (GPM)	20.8	16.4	19.0	34.1	29.7	48.4	51.3	69.9	33.6	20.3	(12.6)	17.7	21.0	28.3

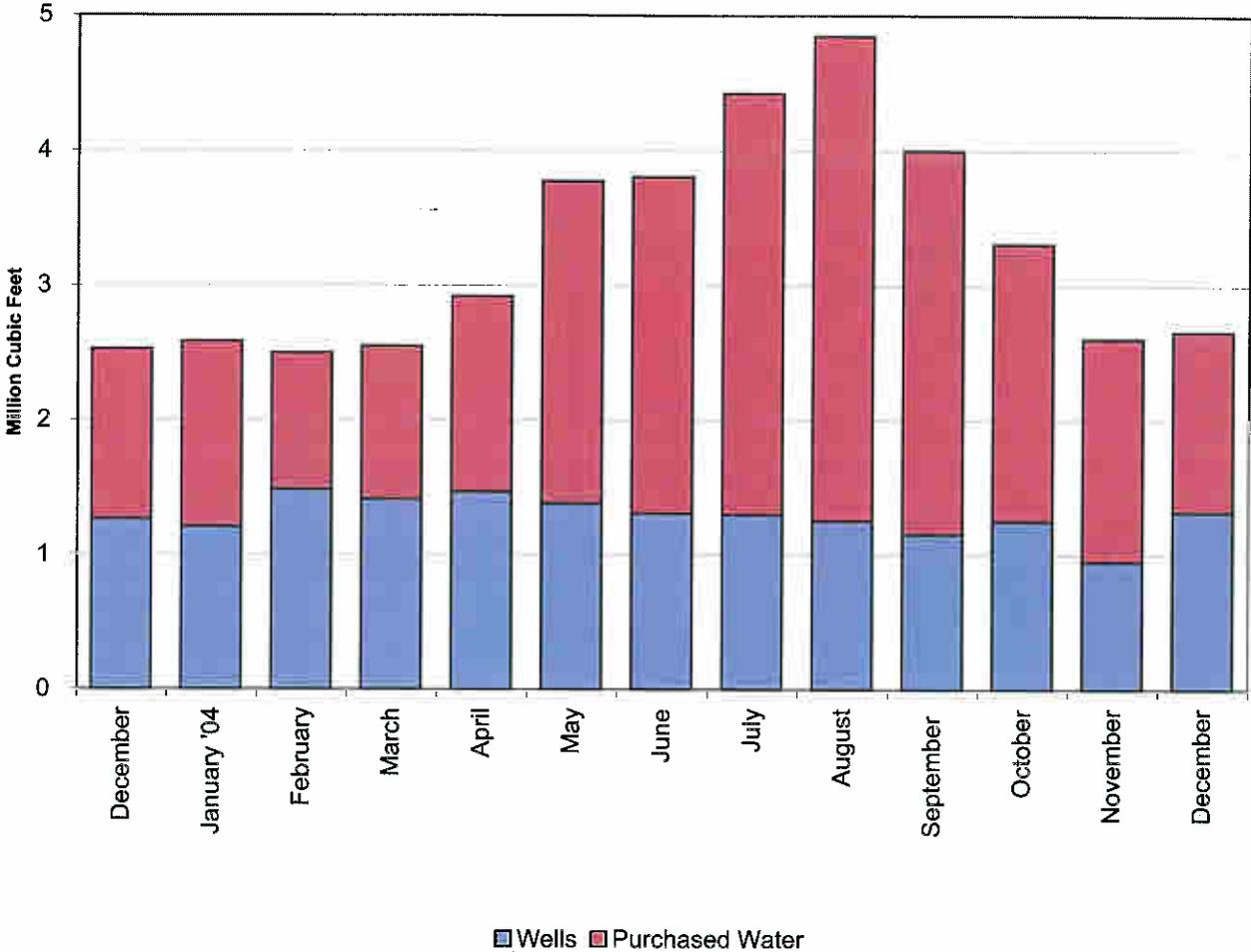
Number of Days in Period	Dec 1999	Jan 2000	Feb 2000	Mar 2000	Apr 2000	May 2000	Jun 2000	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Total
	30	32	29	31	31	31	30	30	31	29	32	30	29	395

System Loss Costs		Dec 2000	Mo. Average
Cost of System Loss:		\$3,092	\$4,483
Cost of 5% System Loss:		2,941	3,929
Amount above (below) 5% System Loss:		\$151	\$554
Note: Cost is calculated at highest cost (GLAWA Rate: \$2.64/100 c.f.)			

NOTES:
 Estimated - Includes estimated billing period. This month includes estimated consumption. The following billing period will reflect adjustments to actual water used.
 * - Currently there are no Adjustments to Wells being made.
 ** - Water Used - Metered Accounts is adjusted to the time period in Total Water Supplied.
 *** - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

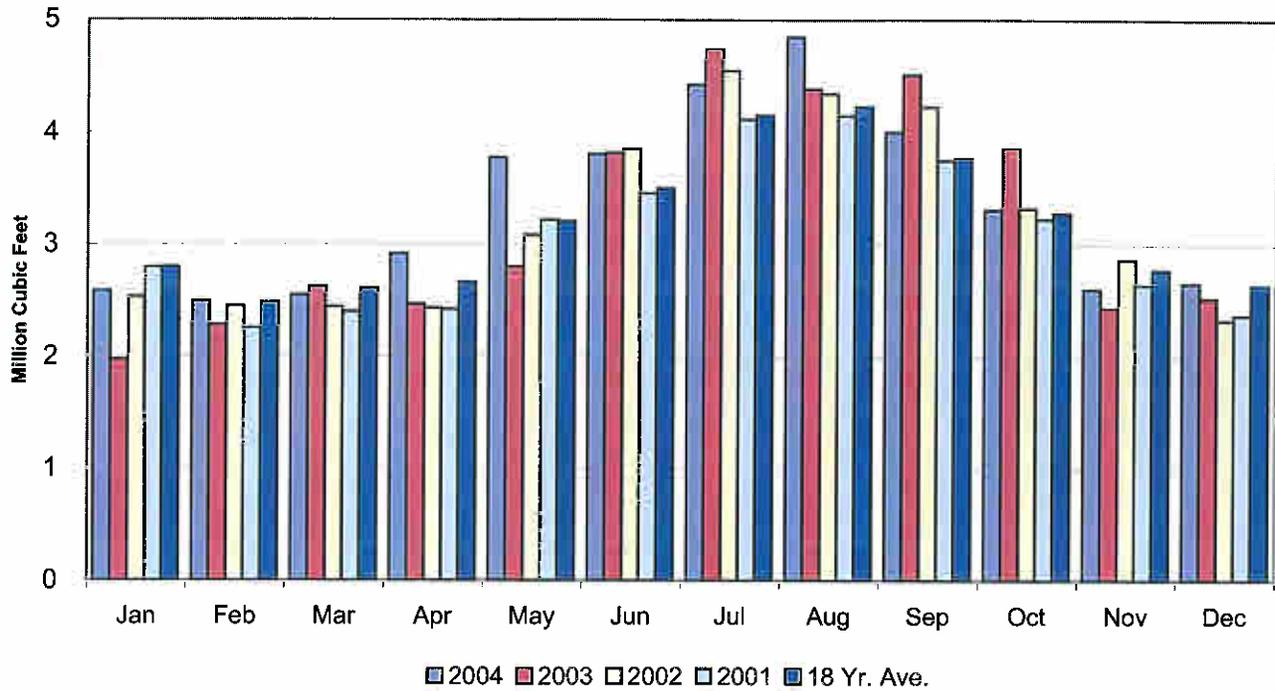
Crestline Village Water District

Water Sources - Last 13 Months

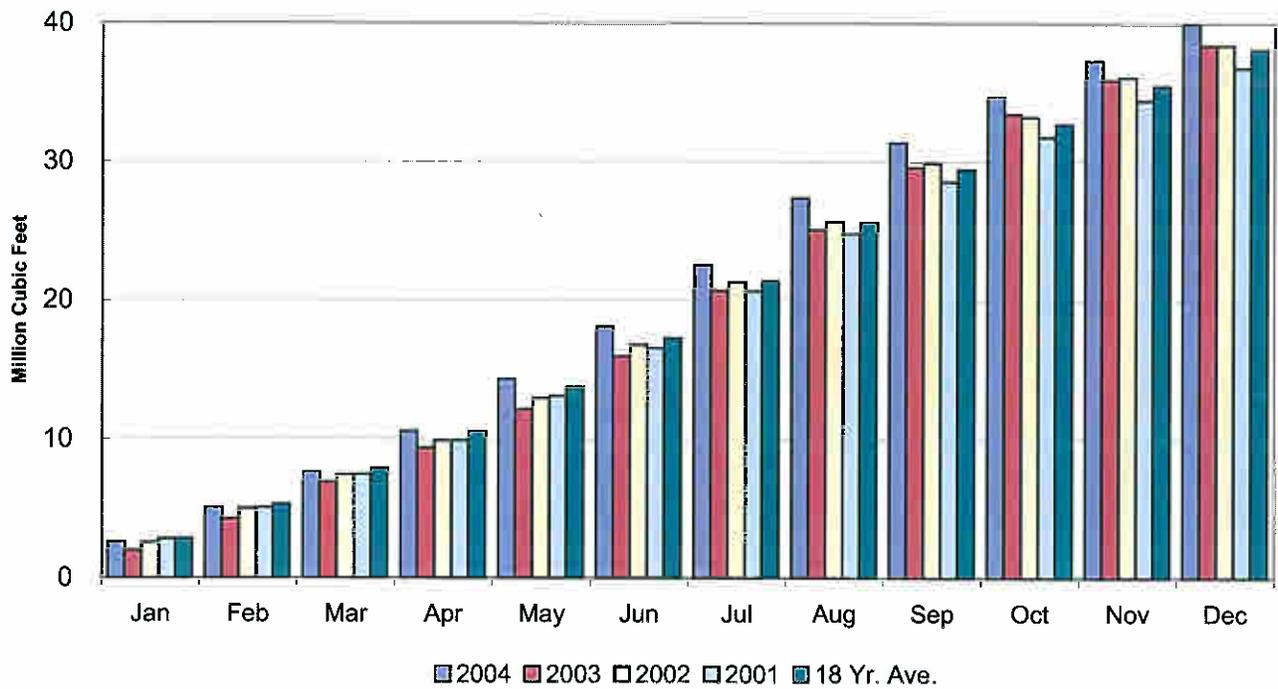


Crestline Village Water District

Total Production by Month

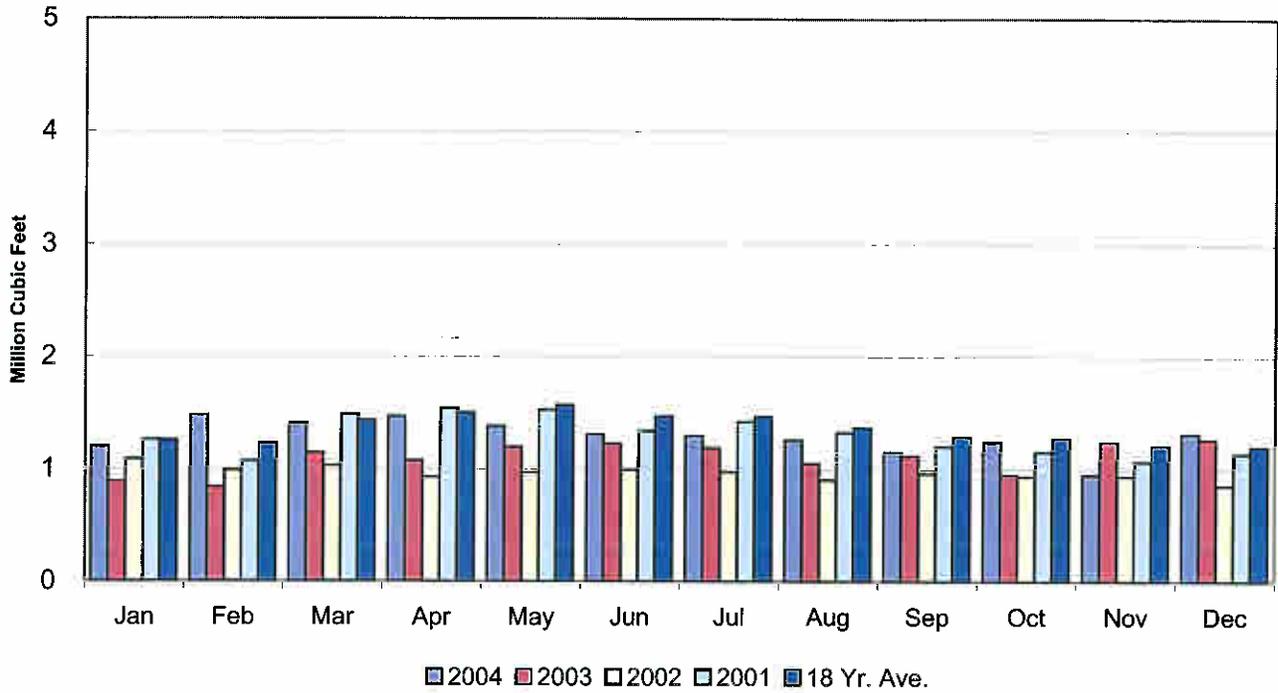


Total Production Cumulative

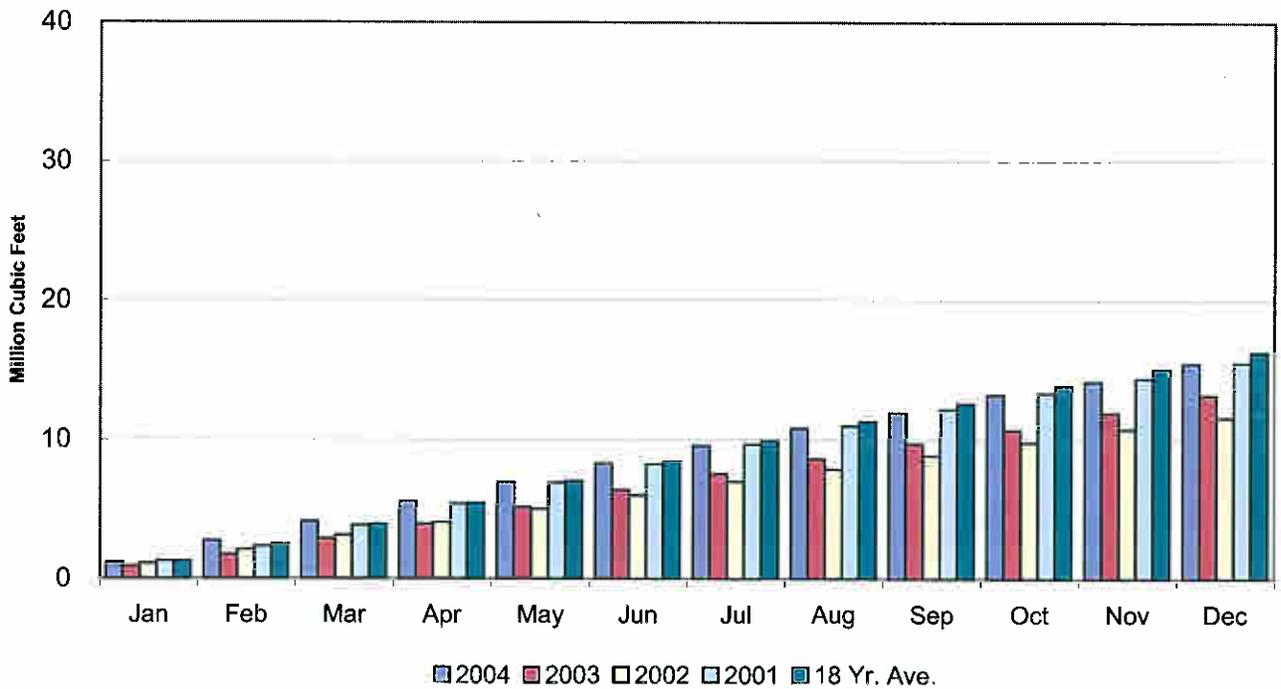


Crestline Village Water District

Well Production by Month

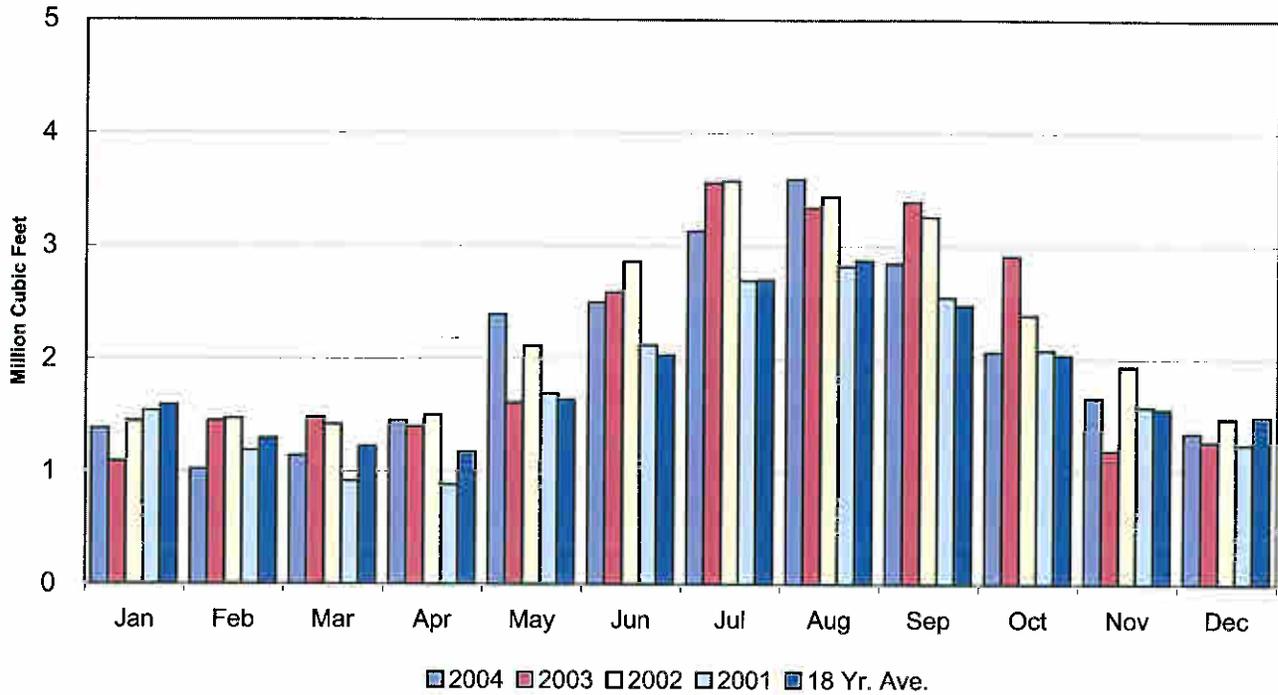


Well Production Cumulative



Crestline Village Water District

Purchased Water by Month



Purchased Water Cumulative

