

CRESCENTA VALLEY WATER DISTRICT

**2700 Foothill Boulevard
La Crescenta, California**

**Agenda for the
Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on April 4, 2017 at 7:00 p.m.**

Posted: March 31, 2017 at 3:00 p.m.

Any written materials distributed to the Board in connection with this agenda will be made available at the same time for public inspection at the District office located at the above address.

Call to Order and Determination of Quorum

Pledge of Allegiance

Adoption of Agenda

Public Comments

At this time the public shall have an opportunity to comment on any non-agenda item relevant to the subject matter jurisdiction of the Board. This opportunity is non-transferable and speakers are limited to one three (3) minute comment.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Meeting on March 21, 2017.

Action Calendar

The public shall have an opportunity to comment on any action item as each item is considered by the Board prior to action being taken. This opportunity is non-transferable and speakers are limited to one two (2) minute comment.

1. **Appeal of High Water Bill** – Consideration and possible action to grant a request for relief from a high water bill by Edwin & Stacy Evangelista at 2851 Adams St.
2. **Installation of Additional On-Site Piping at Williams Reservoir, Project E-733CS-5** – Consideration and motion to authorize the General Manager to award a contract to the lowest responsible bidder, Robert Brkich Construction for the installation of additional on-site piping at Williams Reservoir at a cost of \$37,500 and to establish a contingency amount of \$3,750 (10% of contract) to cover the cost of unforeseen or additional work.
3. **Well Rehabilitation – Well 8, Project E-979** – Consideration and motion to authorize the General Manager to award a contract to Best Drilling and Pump, Inc. for well rehabilitation at Well 8 at a cost of \$36,200 and establish a contingency amount of \$3,620 (10% of contract) to cover the cost of unforeseen or additional work.
4. **FY 2017/18 Water and Wastewater Budgets, and Preliminary Proposition 218 Notice** – Discussion of draft FY 2017/18 Water and Wastewater Budgets, and discussion of preliminary Proposition 218 notice.

Information Items

Written Communications to District/Board of Directors

Staff Reports

- Secretary-Treasurer
- General Manager
- District Engineer
- Program Specialist
- Information Technology

Attorney Report

Reports of Committees

- Engineering Committee
- Finance Committee
- Employee Relations Committee
- Policy Committee
- Community Relations/Water Conservation Committee
- Emergency Planning Committee

Director's Oral Reports

Report on issues, meetings, or activities attended by Directors.

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
March 21, 2017

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of March 7, 2017, an Adjourned Regular Meeting was held on March 21, 2017, at 6:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President James D. Bodnar presiding.

At roll call, the following Directors and staff members were present:

Directors:	James D. Bodnar (Arrived 6:15) Michael L. Claessens Kerry D. Erickson Kenneth R. Putnam (Arrived 6:25) Judy L. Tejeda
Attorney:	Thomas S. Bunn
General Manager:	Thomas A. Love
Secretary-Treasurer:	Ron L. Mitchell
District Engineer:	David S. Gould
Others Present:	Mark Hass, IT Manager Wendy Holloway, Customer Accounts Supervisor Dennis Maxwell, Superintendent James Lee, Accountant Kathy Ross, FMWD Director

PLEDGE OF ALLEGIANCE

Vice President Claessens opened the meeting by leading the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 3-0 vote that the Agenda for the Adjourned Regular Meeting of March 21, 2017 be adopted as presented.

Water and Wastewater Budget Workshop – Mr. Love gave a presentation for the Fiscal Year 2017/18 Preliminary Water Fund Budget. He discussed the Budget/Rate setting principles, current year FY 2016/17 projections, preliminary FY 2017-18 budget assumptions, which included labor & benefits, operations & maintenance, general & administrative, and purchased water. Also he discussed Water fund reserves, the ten year Capital Improvement Projects, and rate impacts.

PUBLIC COMMENT – None.

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Kathy Ross reported they did not have a water conservation meeting this month; however she feels that the water conservation alert should be kept

up, and how should we be sending our message to the public. The State Water Project allocation is at 60% water allocation. She also reported on Oroville Dam saying the State Water Project Clifton Forebay is having a structural problem and they are planning to repair it within 45 days. The FMWD engineer said that the earthquake valve for La Crescenta Reservoir has been repaired. On April 15, 2017, 9:00 a.m. at Descanso Gardens there will be a walking tour and discussion of water sources.

CONSENT CALENDAR

It was moved by Director Claessens, seconded by Director Tejeda and carried by a 5-0 vote to approve the Minutes of the Regular Board Meeting held on March 7, 2017 and to ratify the disbursements for February 2017 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before February 28, 2017 the same having been approved by the General Manager, Thomas A. Love, and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of Three Hundred Eighty Nine Thousand Three Hundred Sixty Eight Dollars and Thirty Six cents (389,268.36), which is composed of the individual items set forth herein.

ACTION CALENDAR

Conservation Alert Status – Mr. Love reported that the State Water Project allocation is at 60% and is the highest it has been since 2012 for this time of year. It is expected to increase to 80% or higher. Department of Water Resources has made Article 21 water available which means State Water Contractors can take additional water above their allocation. Locally the ground water level is at historical lows and we have had above average precipitation levels at 24” to 25”. MWD has lifted its water supply allocation, and under Resolution 682, the General Manager has the authority to change the District’s water conservation alert level. Several factors should be considered in the decision to change the alert status. There are reasons to maintain stricter conservation levels and there are reasons to have relaxed conservation levels. We need to keep the public informed of why we should continue some type of conservation. After a Board discussion, Mr. Love said that he will be doing a press release to let the public know that we will be going to a Blue Alert Status with modifications.

District Audit Services – Mr. Mitchell reported that previously the Board requested staff prepare and issue a Request for Proposal to perform the District’s audit for three years beginning the FYE 2017 through FYE 2019. Staff sent out six RFP’s to accounting firms, and received five proposals back. Staff reviewed all the proposals and found Vicenti, Lloyd & Stutzman had the lowest proposal. The Finance Committee met with staff and reviewed the proposals and recommend that the District retain Vicenti, Lloyd & Stutzman to perform our audit services.

It was moved by Director Putnam, seconded by Director Claessens and carried by a 5-0 vote to select Vicenti, Lloyd & Stutzman to perform the District’s audit services for FY 2017-2019.

Water & Wastewater Budgets for FY 17/18 – Mr. Love reported that there is no change in rates needed for the Wastewater Budget this year.

Strategic Planning – Mr. Love discussed the draft of the Strategic Planning document, the table of contents, executive summary, the mission statement, the vision statement, values and goals.

INFORMATION ITEMS – CV Weekly: Weather in the Foothills. Is the drought over?

WRITTEN COMMUNICATIONS TO DISTRICT – Letter from County of Los Angeles Board of Supervisors stating the Board member elections will be changed to even years and consolidate these elections with the General Elections.

REPORTS OF PERSONNEL

SECRETARY-TREASURER – Mr. Mitchell presented and discussed a recap of the investments for the Fiscal Year 2016/17.

GENERAL MANAGER – Mr. Love reported on a small main leak at the corner of Ocean View and Montrose Avenue. The work will start on March 23, 2017 to make the repairs.

DISTRICT ENGINEER – Mr. Gould reported on the Pickens Canyon Slope repair.

PROGRAM SPECIALIST – No Report

INFORMATION TECHNOLOGY – No Report

ATTORNEY – No Report

REPORTS OF COMMITTEES

Engineering Committee – Director Bodnar reported that the Committee met on March 16, 2017 at 9:00 a.m. They discussed water production with ground water elevation charts, the status update on Well 8 pump, advertise for quotes for the new Motor Control Center at Well 2, Project E-956, and Capital Improvement Projects Program for FY 17/18.

Finance Committee – Director Tejada reported that the Committee met on March 16, 2017 at 8:00 a.m. and reviewed the FY 2017/18 Water budget, the first draft of the FY 2017/18 Wastewater budget, and proposals for audit services. The Committee will meet on March 30, 2017 at 8:00 a.m.

Employee Relations Committee – Director Putnam reported that the Committee had not met; however a meeting will be scheduled as needed.

Policy Committee – Director Bodnar reported that the Committee had not met; however a meeting will be scheduled as needed.

Community Relations/Water Conservation Committee – Director Erickson reported that the Committee had not met; however a meeting will be scheduled as needed.

Emergency Planning Committee – Director Bodnar reported that the Committee will meet on April 4, 2017 at 6:00 p.m.

DIRECTORS ORAL REPORTS

Director Bodnar reported that on March 10th he gave a talk at his daughters school on water and supply. On March 16th he listened to a webinar from Water Research Foundation on water audit validation. On

March 20th he went to the Crescenta Valley Historical Society and they had a speaker talk about the flood path and failure of the San Francisquito Dam in Santa Clarita.

Director Claessens – No Report

Director Putnam – No report

Director Tejada reported that she attended the Chamber of Commerce meeting last week where she made an announcement on changes in some of the District policies due to the rainfall totals. She listened to a webinar from the State Water Resources Control Board on Energy Usage for 2013-2015. Many agencies didn't participate because they didn't want to disclose their energy bills.

Director Erickson reported that a customer complained about the water pressure being too high at his home and he has to replace the regulator every two years.

ADJOURNMENT

There being no other business to come before the Board, at 9:00 p.m. it was moved by Director Tejada, seconded by Director Claessens and carried by a 5-0 vote that the meeting be adjourned to April 4, 2017 at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1

April 4, 2017

To: Honorable President and Members of the Board of Directors

From: Ron L. Mitchell – Secretary-Treasurer

Subject: Appeal of a High Water Bill

ACTION ITEM:

1. **Appeal of a High Water Bill** – Consideration and possible action to grant a request for relief from a high water bill by Edwin & Stacy Evangelista at 2851 Adams St.

BACKGROUND:

Edwin & Stacy Evangelista rent the property located at 2851 Adams St. since 2012. Their usage is consistently in middle to low tier 2, with a high of 26 units since 2015. While reading for the January 1 to February 28, 2017 billing period, the meter reader discovered that water was passing through the meter at 4.0 gpm. He contacted the resident at the property and informed them of the leak and they said that they had heard water running and contacted the property owner a couple of weeks earlier to inform them that there could be a possible leak. They told the meter reader that the owner said that it only run-off due to the heavy rains. The meter reader then showed the customer how to turn their valve on and off so they could have water when they needed it.

The meter reader then contacted Wendy Holloway with the current reading and it was determined that 233,000 gallons of water had been used since the last billing period. Wendy immediately contacted the property owner and explained the situation. The customer was billed for 233 units as a result of this leak in the amount of \$2,424.66.

On March 2, 2017 Edwin & Stacy came into the office and staff informed them of how to request a leak adjustment and the appeal process with the Board. On that date staff was informed that the leak had been fixed and the meter was re-checked to verify that the leak had indeed been fixed. On March 3, 2017 Mr. Evangelista brought in a letter showing that the leak had been fixed by the owner and was requesting a leak adjustment and a letter to the Board asking for additional relief from the high water bill. Staff then processed a leak adjustment in the amount of \$300.00, which is the maximum amount that staff can grant, to their account.

In similar situations, the Board has directed staff to recalculate the bill in question charging only tier 2 rates for all usage over the average consumption for that period. If staff uses that same methodology the average consumption for the February billing period for this account is 27. Total consumption was 233 units that means the extra 206 units would be billed at tier 2. Staff has prepared a “re-calculated billing” which shows the billing for the period would be \$1,696.02 instead of the \$2,424.66 which was billed or a difference of \$728.64. Staff has already applied a \$300.00 adjustment to the account so the additional credit would be \$428.64 (\$728.64 - \$300.00) if the Board were to choose this solution.

RECOMMENDATION:

Staff recommends granting the request to recalculate the excess water usage at tier 2 rates for this account to be consistent with recent Board actions and is ready to place the remaining balance on an amortization schedule for Edwin & Stacy Evangelista if they so choose.

Prepared by:

Submitted by:

Ron L. Mitchell
Secretary-Treasurer

Thomas A. Love
General Manager

Attachments:

March 3, 2017

Crescenta Valley Water District
2700 Foothill Blvd
La Crescenta, CA 91214

Attention: Board of Directors

Dear Sirs:

This letter is in regards to the anticipated fine on the water consumption at 2851 Adams Street, La Crescenta, California 91214.

The reason for the fine is because of the leak from a broken pipe under the shrubs and soil outside the house by the front porch. We did not have any idea that there was a major leak in that area. We had been staying inside the house because of the cold weather. Furthermore, due to the frequent rains that we have had, it would be too difficult to tell if the water was coming from a leak or it was a surface runoff from the rains. Once we were informed of the excessive water use, a plumber was sent and repairs were completed by the next morning.

Based on the facts stated, we would like to request waiver of the fine or at least a reduction thereof.

Thank you for the kind attention and consideration.

Sincerely yours,



Edwin and Stacy Evangelista
2851 Adams St
La Crescenta, CA 91214



**CRESCENTA VALLEY
WATER DISTRICT**
2700 FOOTHILL BLVD
LA CRESCENTA CA 91214-3590

ACCOUNT NUMBER

029123-000

SERVICE ADDRESS

2851 ADAMS

DUE DATE

04/06/17

BILLING PERIOD

01/01/17 to 02/28/17

TOTAL CHARGES

\$2,424.66

AMOUNT ENCLOSED

\$

AUTOSCH 5-DIGIT 91214 6 PS5 99907RA10-A-1
1378 1 AV 0.370



EDWIN & STACY EVANGELISTA
2851 ADAMS ST
LA CRESCENTA CA 91214-2027

CRESCENTA VALLEY WATER DISTRICT
2700 FOOTHILL BLVD
LA CRESCENTA CA 91214-3590

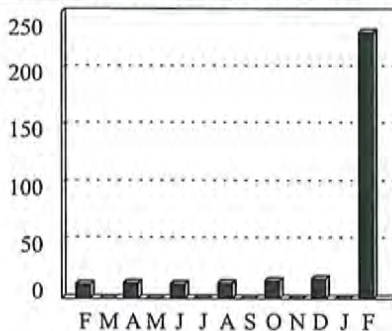


DETACH AND RETURN THIS REMITTANCE PORTION OF THE BILL WITH YOUR PAYMENT

KEEP THIS PORTION FOR YOUR RECORDS

STATEMENT OF ACCOUNT

ACCOUNT NUMBER	SERVICE ADDRESS	BILL DATE	DUE DATE	BILLING PERIOD	
029123-000	2851 ADAMS	02/28/17	04/06/17	01/01/17 to 02/28/17	
METER NUMBER	COMMENTS	PRIOR READ	CURRENT READ	USAGE (IN 1,000 GAL)	USAGE LAST YEAR
75182890		632	865	233	13

WATER USAGE in THOUSAND GALLONS

Current
Usage

SUMMARY OF CHARGES

Previous Balance	\$210.37
Payment on 02/02/2017	\$(210.37)
Water Usage Charges	
Tier 1 - 10 x \$4.39 (Basic Usage 0-10 Units)	\$43.90
Tier 2 - 16 x \$6.91 (Average Usage 11-26 Units)	\$110.56
Tier 3 - 207 x \$10.43 (High Usage 27+ Units)	\$2,159.01
Water Service Charge	1430.37 \$41.06
Sewer Service Charge	\$45.95
Sewer Flow Charge (Winter Water Use)	\$24.18
TOTAL DUE	\$2,424.66

1,696.02

Thank you to the community on the significant efforts to conserve water. Changes in State regulations coupled with the District's conservation thus far have allowed the District to move from Orange Alert to Yellow Alert. Outdoor watering will now be allowed three days per week on Tuesday, Thursday, and Saturday before 9:00 a.m. and after 5:00 p.m. Waste of water restrictions are still in place. Go to www.cvwd.com for complete details.



Use Water Wisely
All Ways ... Always

If you have questions regarding this bill or dispute the amount charged, the District's Rules and Regulations (Article 8.05G) permit you to submit a complaint or request an investigation. This process must be commenced by you delivering the complaint or request to the District in writing at least five (5) calendar days of receipt of this bill.

CRESCENTA VALLEY WATER DISTRICT
2700 FOOTHILL BOULEVARD
LA CRESCENTA, CALIFORNIA 91214

FOR MORE INFORMATION
VISIT OUR WEB SITE AT
www.cvwd.com

BILLING INQUIRIES: (818) 248-3925
OFFICE HOURS MON-FRI 8:00 AM - 4:30 pm
24 HR. EMERGENCY #: (818) 249-2185



Crescenta Valley Water District

2700 Foothill Boulevard, La Crescenta, California 91214
Phone (818) 248-3925 Fax (818) 248-1659

Directors

Judy L. Tejeda
James D. Bodnar
Kerry D. Erickson
Kenneth R. Putnam
Michael L. Claessens

Officers

Thomas A. Love, P.E.
General Manager
Ron L. Mitchell
Secretary-Treasurer

March 15, 2017

Edwin & Stacy Evangelista
2851 Adams
La Crescenta, CA 91214

RE: Account No. 029123-000

Dear Mr. & Mrs. Evangelista:

Mr. Love has reviewed your account and problem with excessive water consumption causing a high billing for water service for your residence. He has asked me to personally reply to your request for assistance in the form of an adjustment.

While payment for all water consumption provided through your meter is your responsibility, the District recognizes your efforts to correct the cause of the water loss and is agreeable to a one-time adjustment. This adjustment normally consists of a 50% reduction of all water in excess of normal usage for the periods involved. However, the credit is limited to an amount not to exceed \$300.00. Therefore, we have credited your account for \$300.00. Your new balance is \$2,424.66. If you would like to make payment arrangements, please contact our Customer Service Department.

Please remember that the District has provided a one time adjustment only and future billings for water, even though they may be large, will be your responsibility.

Sincerely,

CRESCENTA VALLEY
WATER DISTRICT

Ron L. Mitchell
Secretary-Treasurer

RLM/wh
cc: Thomas Love



USAGE HISTORY

03/15/2017 - 8:59 AM

Current Customer: 029123-000 **Established On:** 8/31/2012 **Route #** 35

Name: EDWIN & STACY EVANGELISTA **Address:** 2851 ADAMS

Meter #: 75182890 **Meter Size:** .75 **Status:** A **U/M:** Gallons **Meter Install Date:** 3/20/2013

2017		2016		2015		2014		2013	
Jan	0	Jan	0	Jan	0	Jan	0	Jan	0
Feb	233	Feb	13	Feb	26	Feb	42	Feb	51
Mar	0	Mar	0	Mar	0	Mar	0	Mar	0
Apr	0	Apr	14	Apr	19	Apr	29	Apr	52
May	0	May	0	May	0	May	0	May	0
Jun	0	Jun	13	Jun	16	Jun	36	Jun	53
Jul	0	Jul	0	Jul	0	Jul	0	Jul	0
Aug	0	Aug	14	Aug	17	Aug	42	Aug	57
Sep	0	Sep	0	Sep	0	Sep	0	Sep	0
Oct	0	Oct	16	Oct	14	Oct	27	Oct	44
Nov	0	Nov	0	Nov	0	Nov	0	Nov	0
Dec	0	Dec	18	Dec	14	Dec	19	Dec	50

3 yr average = 27,000

233 - 27 = 206,000

206 ÷ 2 = 103,000

103 × 10.43 = 1,074.29

\$200 max
OK - JRM

March 3, 2017

Crescenta Valley Water District
2700 Foothill Blvd
La Crescenta, CA 91214

Attention: General Manager

Dear Sir or Madam:

This letter is in regards to the anticipated fine on the water consumption at 2851 Adams Street, La Crescenta, California 91214.

The reason for the fine is because of the leak from a broken pipe under the shrubs and soil outside the house by the front porch. We did not have any idea that there was a major leak in that area. We had been staying inside the house because of the cold weather. Furthermore, due to the frequent rains that we have had, it would be too difficult to tell if the water was coming from a leak or it was a surface runoff from the rains. Once we were informed of the excessive water use, a plumber was sent and repairs were completed by the next morning.

Based on the facts stated, we would like to request waiver of the fine or at least a reduction thereof.

Thank you for the kind attention and consideration.

Sincerely yours,



Edwin and Stacy Evangelista
2851 Adams St
La Crescenta, CA 91214

092051

☐ ESTIMATE (VALID FOR 30 DAYS)

DATE <u>3-02-2017</u>	☐ SERVICE ☐ INSTALL	☐ WILL CALL ☐ DELIVER	PHONE
NAME			MAKE
ADDRESS <u>2851 Adams St.</u>			MODEL
<u>Lacrescente CA 91044</u>			SERIAL
ITEM TO BE SERVICED	NATURE OF SERVICE REQUEST		

QTY.	PART #	DESCRIPTION OF PARTS OR MATERIALS	PRICE	AMOUNT
		* Back yard Garding		
		water main pipe sold		
		Galvanize pipe 1/2"		
		to much water leaking		
		⇒ soil take out &		
		problem pipe search		
		Galvanize pipe		
LABOR PERFORMED <u>repar</u>			TOTAL MATERIALS	<u>\$800</u>
			TAX	<u>7</u>
			TOTAL LABOR	<u>7</u>
			TOTAL AMOUNT	<u>\$800</u>

SONG'S PLUMBING
ST. LIC. #788722
10325 SHERMAN GROVE AVE.
SUNLAND, CA 91040
CELL: (213) 447-9015

DATE WANTED	DEPOSIT	RECEIVED BY
ESTIMATES ARE FOR LABOR ONLY, MATERIAL ADDITIONAL. WE WILL NOT BE RESPONSIBLE FOR LOSS OR DAMAGE CAUSED BY FIRE, THEFT, TESTING, OR ANY OTHER CAUSES BEYOND OUR CONTROL.		
AUTHORIZED BY:		Repair Order ORIGINAL

edams 5084

TERMS - NET CASH
NO GOODS HOLD OVER 30 DAYS

09-11

CVWD
teld

Utility Billing
Service Request Form

3/2/2017 - 9:42 AM

Request Number: 000021-03-2017
Account Number: 029123-000

Last Updated By: teld
On: 3/2/2017

Account Status: Active

Name: EDWIN & STACY EVANGELISTA
Billing Address: 2851 ADAMS
LA CRESCENTA, CA 91214

Home Phone: 8184681555
Business Phone: 8187873400
Service Address: 2851 ADAMS

Request Date: 3/2/2017
Request Description: Check for leak - cust had a 4 gpm leak - please check to see if repaired
Service Date: 3/3/2017

Water/Gas Meters	Route-Seq Read Dt	Serial No Cons	Register ID No Of Digits	MXU ID	Manufacturer	Model No	Reading
Existing Water Meter	35-0490 12/31/2016	75182890 18	 4		Ipearl	Ipearl.754	632

Location: 3' SE OF POLE AT STEPS

Comments:

NO Leak - reading - 0866245.60 A.S 3-3-17

Follow up needed? yes no Serviced By: _____ Date: _____ Time: _____

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Agenda Item No. 2

April 4, 2017

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: **Award of Contract for Installation of New 8-inch Pressure Reducing Valve and On-Site Piping at Williams Reservoir, Award of Contract, Project E-733CS-5**

ACTION ITEM

Installation of Additional On-Site Piping at Williams Reservoir, Project E-733CS-5 – Consideration and motion to authorize the General Manager to enter Award a Contract to Brkich Construction (Brkich) for the installation of a pressure reducing valve and additional piping at Williams Reservoir at a cost of \$37,500 and to establish a contingency amount of \$37,500 (10% of contract) to cover the cost of unforeseen or additional work.

BACKGROUND:

In 2008, CVWD received a Proposition 50 Grant from the State of California to construct an emergency water supply interconnection with the Los Angeles Department of Water and Power (LADWP) and the Foothill Municipal Water District (FMWD). In an emergency, water from the interconnection would supply not only CVWD, but could be brought through CVWD's system to FMWD's system and ultimately provide water to the La Cañada Flintridge and Altadena areas. The project would provide a second source of water to the Crescenta Valley, La Cañada Flintridge, and the Altadena areas in case the main water supply from MWD is interrupted due to a disaster event or planned shutdown at MWD's Weymouth Plant. The Chloramination Station & Metering Vaults at Williams Reservoir project was separated into smaller phases using CVWD crews and specialty contractors to reduce the construction costs of the project.

Last year, FMWD approached CVWD staff with new concerns about the operations of the project. They wanted to look at alternate configurations at Williams reservoir that might keep FMWD's La Crescenta reservoirs in operation during an emergency. After several meetings, staff determined that a work around was possible and began drafting plans and developing estimates.

DISCUSSION:

On March 13, 2017, staff sent out a Request for Quotes to six (6) pipeline contractors for the installation of the new pressure reducing valve and on-site piping at Williams Reservoir. Contractors were allowed access to the site prior to bidding the bid date. The bid opening for the project was held on March 29, 2017 and the results are as follows:

	<u>Bidder</u>	<u>Total Bid Amount</u>
Low	Brkich Construction	\$37,500
2 nd	E&R Construction	\$51,000
3 rd	J De Sigio Construction	Declined to Bid

Brkich Construction of Monrovia was the apparent low bidder for the project and meet the requirements of SB 854 and prevailing wage compliance. Staff has worked with Brkich several times over the years. Staff has been pleased with their work and change orders have been reasonable.

The engineer's estimate was \$19,500 and the low bid was \$37,500 which is 92% higher than the engineer's estimate. This is largely due to an increase in the size of the excavation area necessary to perform the work after the original scope was mailed. This includes all work for the installation of necessary valves, pipes and appurtenances for the installation of a new pressure reducing valve as part

of the chloramination station at Williams Reservoir. This new equipment will greatly simplify operations of the Ocean View Chloramination Station during a planned or unplanned outage.

RECOMMENDATION:

It is staff's recommendation to authorize the General Manager to Award a Contract to Brkich for installation of a new pressure reducing valve at Williams Reservoir at a cost of \$37,500 to complete the project and to establish a contingency amount of \$3,750 (10% of contract) to cover the cost of unforeseen or additional work.

A pre-construction meeting will be set as soon as the contract is awarded, the agreement is signed, and insurance documents have been delivered. We anticipate construction to begin at the end of April 2017 and completed by mid-May 2017. Mr. Brook Yared will be the project manager and Mr. Cory Whitman will be the field inspector.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

The following table shows that there are sufficient funds available for the project:

Account Description	Amount
FY 14/15 Water CIP– Water Supply – Import Water	\$292,535
Proposition 50 Grant Funding	\$292,535
Total Funds Available for Project	\$585,070
Actual Construction Cost for E-733CS – 1	<\$256,648>
Actual Construction Cost for E-733CS – 2	<\$161,000>
Actual Construction Cost for E-733CS – 3	<\$39,600>
Actual Construction Cost for E-733CS – 4	<\$65,343>
Amount Remaining in Project	\$62,479
Engineer's Construction Cost Estimate for E-733CS – 5	<\$37,500>
Additional costs such as inspection labor costs & contingency	<\$3,750>
Total Engineer's Cost Estimate	<\$41,250>
Amount Remaining in Water CIP – Water Supply – Import Water	\$21,229

Prepared by:

Submitted by:

Brook Yared, P.E.
Associate Engineer

David S. Gould, P.E.
District Engineer

Attachments: Bid Summary

CRESCENTA VALLEY WATER DISTRICT

Page 1 1

Title: Installation of New 8-in Pressure Reducing Valve and Piping at Williams

E-Job No: E-733CS-5

Eng's Est: \$19,500.00

PM: Brook Yared

BID LOCATION: CVWD's Main Office

TIME: 2:00 PM

DATE: 3/30/17

BY: BY CHECKED: DSG DATE: 3/31/17

				Engineer's Estimate		Brkich Construction		E&R Construction	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization and Demobilization	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 8,500.00	\$ 8,500.00
2	Excavation and Backfill	1	LS	\$ 7,500.00	\$ 7,500.00	\$ 26,000.00	\$ 26,000.00	\$ 15,600.00	\$ 15,600.00
3	8-inch Piping and Appurtenances	60	LF	\$ 100.00	\$ 6,000.00	\$ 141.50	\$ 8,490.00	\$ 303.50	\$ 18,210.00
4	8-inch Pressure Reducing Valve	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00	\$ 6,600.00	\$ 6,600.00
5	Trench Resurfacing	60	SF	\$ 25.00	\$ 1,500.00	\$ 8.50	\$ 510.00	\$ 35.00	\$ 2,100.00
				EE	\$ 19,500.00	LOW	\$ 37,500.00	2ND	\$ 51,010.00
								-92.31%	-161.59%

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Agenda Item No. 3

April 4, 2017

To: Honorable President and Members of the Board of Directors

From: David S. Gould, P.E. – District Engineer

Subject: Recommendation to Award Contract for the Rehabilitation of Well 8

ACTION ITEM:

Well Rehabilitation – Well 8, Project E-979 – Consideration and motion to authorize the General Manager to award a contract to Best Drilling and Pump, Inc. for well rehabilitation at Well 8 at a cost of \$36,200 and establish a contingency amount of \$3,620 (10% of contract) to cover the cost of unforeseen or additional work

BACKGROUND:

Well 8 was rehabilitated and returned to service on August 14, 2014 by Best Drilling and Pump, Inc. (Best). Other than for minor maintenance, Well 8 has been operating on a 24/7 basis ever since August 2014. Due to concerns about lowering aquifer levels, the well pump was throttled at the gate valve to increase pressure and to prevent damage to the pump with low water levels.

Well 8 was taken out of service by the system operators when the pump stopped working on February 16, 2017. Staff spent several days testing the well pump and motor to make sure that it was not taken out of service unnecessarily. Unable to determine the cause, staff contacted Best and had the pump assembly, column piping and motor removed for inspection on March 3, 2017. The tear down and inspection report of the pump and motor assembly revealed that the thrust bearing on the pump assembly had failed, which staff is attributing to the throttled operation of the pump.

Water Well Redevelopers was on site the following week on March 9, 2017 to perform a video inspection of the well casing. The video of the well casing showed that the louvered well liner is plugged with what appears to be mineral deposits.

DISCUSSION:

On March 16, 2017 Staff approached the Engineering Committee with the details of the well failure and explained that with summer quickly approaching, it was recommended to requesting a quote from Best, the company that did the initial installation, to help expedite the process. The Engineering Committee agreed with recommendation and requested that staff to solicit a bid from Best.

The scope of work included rehabilitating the well liner and casing using sonar jetting in tandem with chemical treatment, mechanical development, and brushing. The inspection report indicated that the existing pump and bowl assembly did not sustain any major damage that would require purchasing a brand new pump. The 40 Hp motor is also still in working order and staff recommends that the pump assembly for Well 8 to be refurbished, by Best, and fit with new bearings and returned to service.

Best returned a quote to the District for an estimate of \$36,200 for the rehabilitation, after reducing the number of hours of brushing and bailing from Best's original estimate. Based on past project experience, staff finds this quote to be reasonable.

RECOMMENDATION:

Staff recommends the award of contract to Best at the cost \$36,200 in order to reduce the amount of time the well is out of service. It is staff's goal to complete the rehabilitation of Well 8 by the beginning of May 2017 to maximize groundwater well production going into the summer.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

There are sufficient funds available in the following accounts for the project:

Account Description	Amount
FY 16/17 Water Supply – Well Rehabilitation	\$65,000
Engineer's Cost Estimate for Contractor	<\$36,2000>
Unforeseen or additional work	<\$3,620>
Total Engineer's Cost Estimate	<\$39,820>
Amount Remaining in Water Supply – Well Rehabilitation	\$25,180

Prepared by:

Submitted by:

Brook Yared, P.E.
Associate Engineer

David S. Gould, P.E.
District Engineer

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CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Item No. 4
April 4, 2017

To: Honorable President and Members of the Board of Directors
From: Thomas A. Love, General Manager
Subject: **FY 2017/18 Water & Wastewater Draft Public Hearing/ Draft Proposition 218 Notice**

ACTION ITEM:

1. **FY 2017/18 Water & Wastewater Budget Draft Public Hearing/Draft Proposition 218 Notice** – Review draft Public Workshop presentation and draft Proposition 218 Notice.

BACKGROUND:

On April 11, 2017 the Board and staff will hold a Public Workshop at 6:00 p.m. to review the draft FY 2017/18 Water and Wastewater Budgets and answer questions from the public. Mr. Love will review the draft Power Point presentation that he intends to use for this Workshop.

CVWD is required to notify all of its customers about proposed changes in the water and wastewater rates and charges and allow customers an opportunity to protest the proposed rate increases as outlined in the provisions of Proposition 218. This legislation states that any new fee or rate imposed by a government agency must be noticed to its stakeholders and stakeholders must have an opportunity to protest any proposed rate increase.

For CVWD to be in compliance with the provisions of Proposition 218, the following steps must be followed:

1. Staff prepares a Proposition 218 notice describing the proposed rate increase and the method for protesting. The notice is provided to the Board of Directors for discussion.
2. The Board of Directors approves the notice and directs staff to send the Proposition 218 notice to all property owners within the District's service area.
3. A 45-day Public Notice review period commences for the public to submit a written protest.
4. Any written protests are summarized and submitted to the Board of Directors after the 45-day notice period is completed.
5. A public hearing will be held to determine if a majority of property owners within the District's service area have submitted written protests. If the submissions are less than one half of the majority of property owners, then the Board of Directors can preceded with a public hearing on the proposed rate increase.

DISCUSSION:

Staff is presenting the preliminary Proposition 218 notification letter for review and discussion by the Board of Directors for water rates and charges (see attachment). The Proposition 218 notification water rate and charge increase is based on the Board's direction at the last meeting for staff to prepare this preliminary notice based upon a 7.2% rate increase.

The water rate notice focuses on the Board's direction related to replacing aging infrastructure, the effects of the drought and water conservation, water rate mitigation measures and the updated water cost of service study.

The content of the notice also provides the required information to the public for protesting the proposed rate increase.

Under the provisions of Proposition 218, water rates that are published in the notices can be adjusted lower, but not higher.

SCHEDULE:

Staff will take any comments from the Board and incorporate them into a final form that will be presented at the Board meeting on April 18, 2017 for approval.

After final approval, staff will prepare the notices to be sent to property owners by April 28, 2017. This will start the 45-day review and comment period, which will end on June 12, 2017. The comments will be tabulated and presented to the Board at a Public Hearing on June 13, 2017.

Prepared & Submitted by:

A handwritten signature in blue ink, appearing to read "Thomas A. Love", with a horizontal line extending to the right.

Thomas A. Love, P.E.
General Manager



DRAFT

**Fiscal Year 2017/18
Preliminary Water and Wastewater
Budget**

Public Workshop April 11, 2017

Agenda

- Budget/Rate Setting Principals
- Preliminary FY 2017/18 Budget Assumptions
- Water Fund Reserves
- Rate Impacts

Review of Budget/Rate Setting Principals

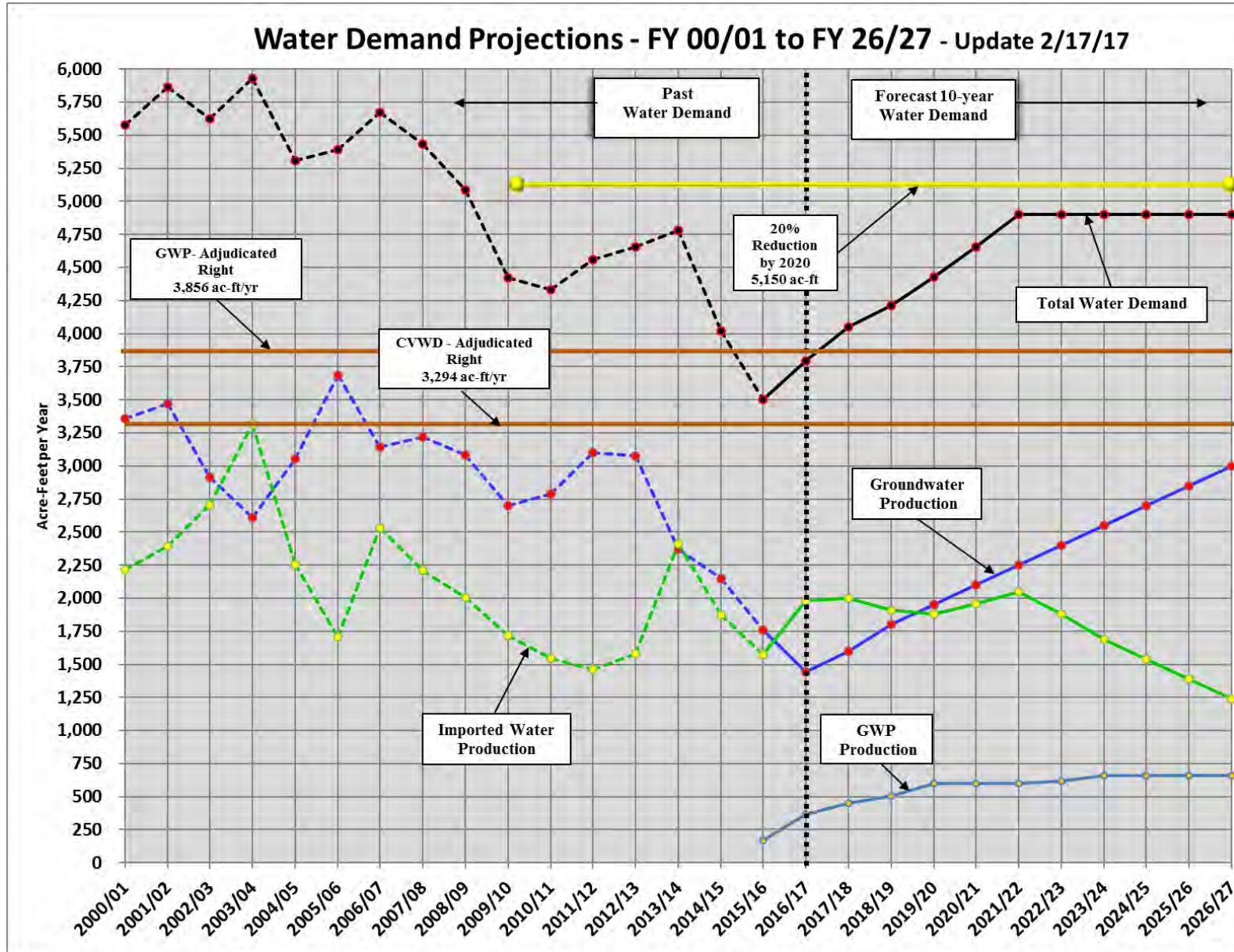
- Proactive CIP and preventative maintenance to enhance water service reliability
- Revenue stability (balance of fixed vs variable revenue)
- Financial sufficiency (meet operating costs, uphold bond covenants, maintain target reserves)
- Equitable rates (adhere to cost-of-service principles)
- Affordability for essential use
- Promote efficient water use



2017/18 Budget Assumptions

Water Supply and Demands:

- 6% increase in water demands
- 13% increase in groundwater production



2017/18 Budget Assumptions - Expenses

- **Operating Expenses**

- Labor and benefits
- Operations and maintenance
- General and administrative
- 4% Increase in total operating expense

- **Purchased Water Expense**

- Impacted by increases in demands and recovering groundwater supply

- **CIP**

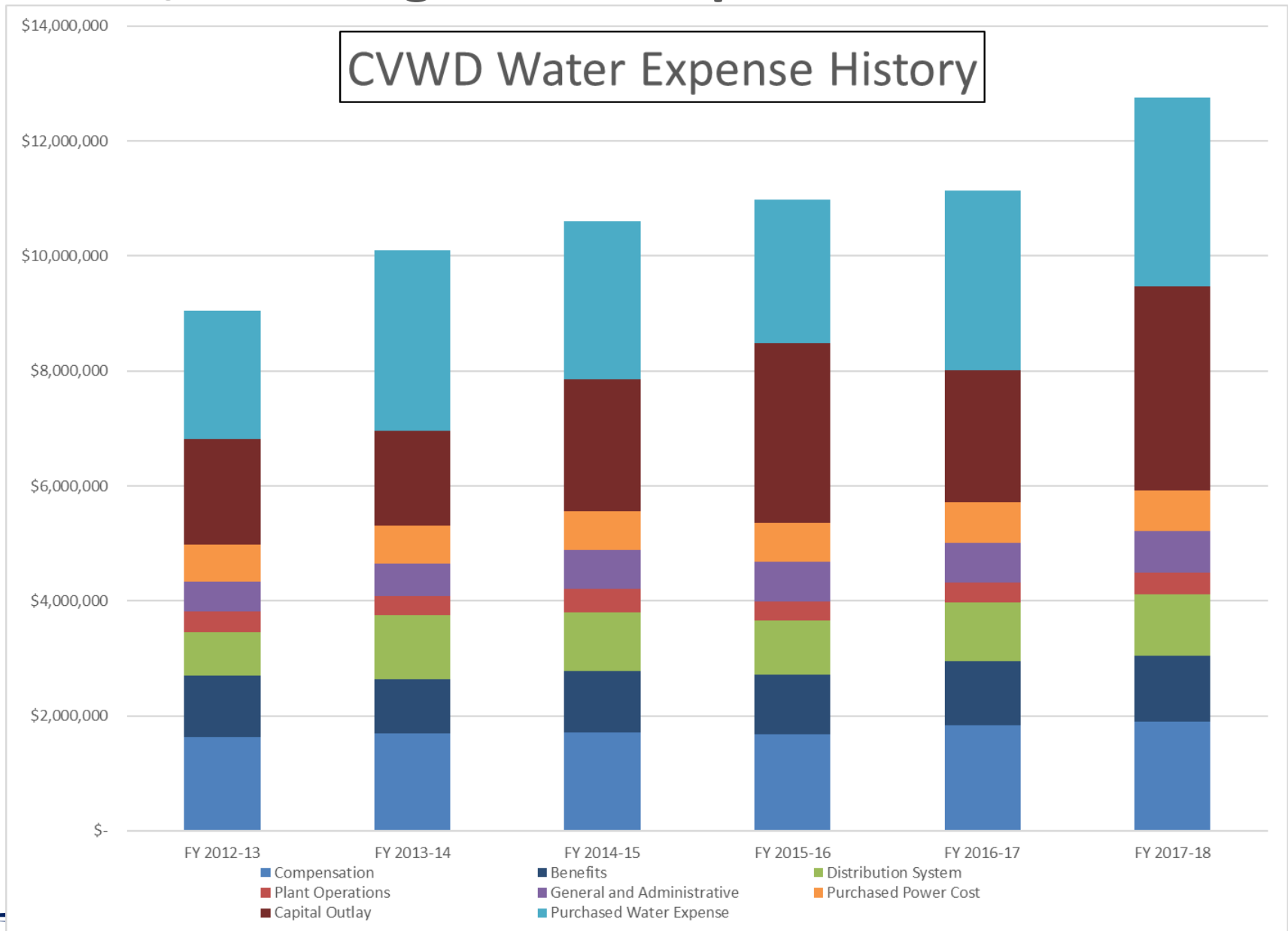
- Continuation of aging infrastructure rehabilitation and replacement



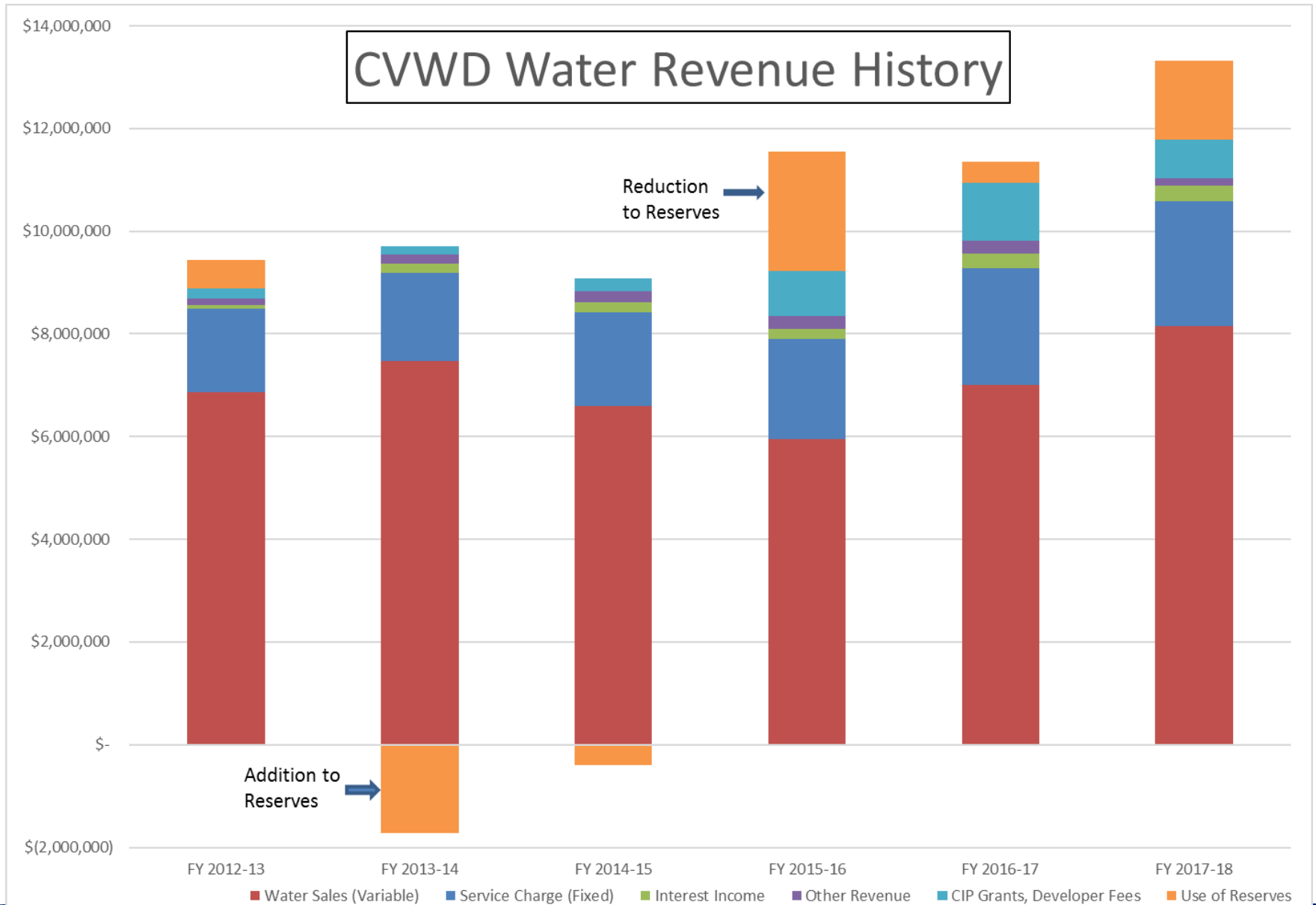
2017/18 Budget Assumptions - Revenues

- Water demands increase by 6%
- 80 new accounts
- CIP revenue
 - Grants – FY 2017 \$900,000, FY 2018 \$690,000
 - Connection fees - \$150,000 increase in FY 2017
- \$1,900,000 funded from reserves in FY 2017 and 2018

2017/18 Budget Assumptions

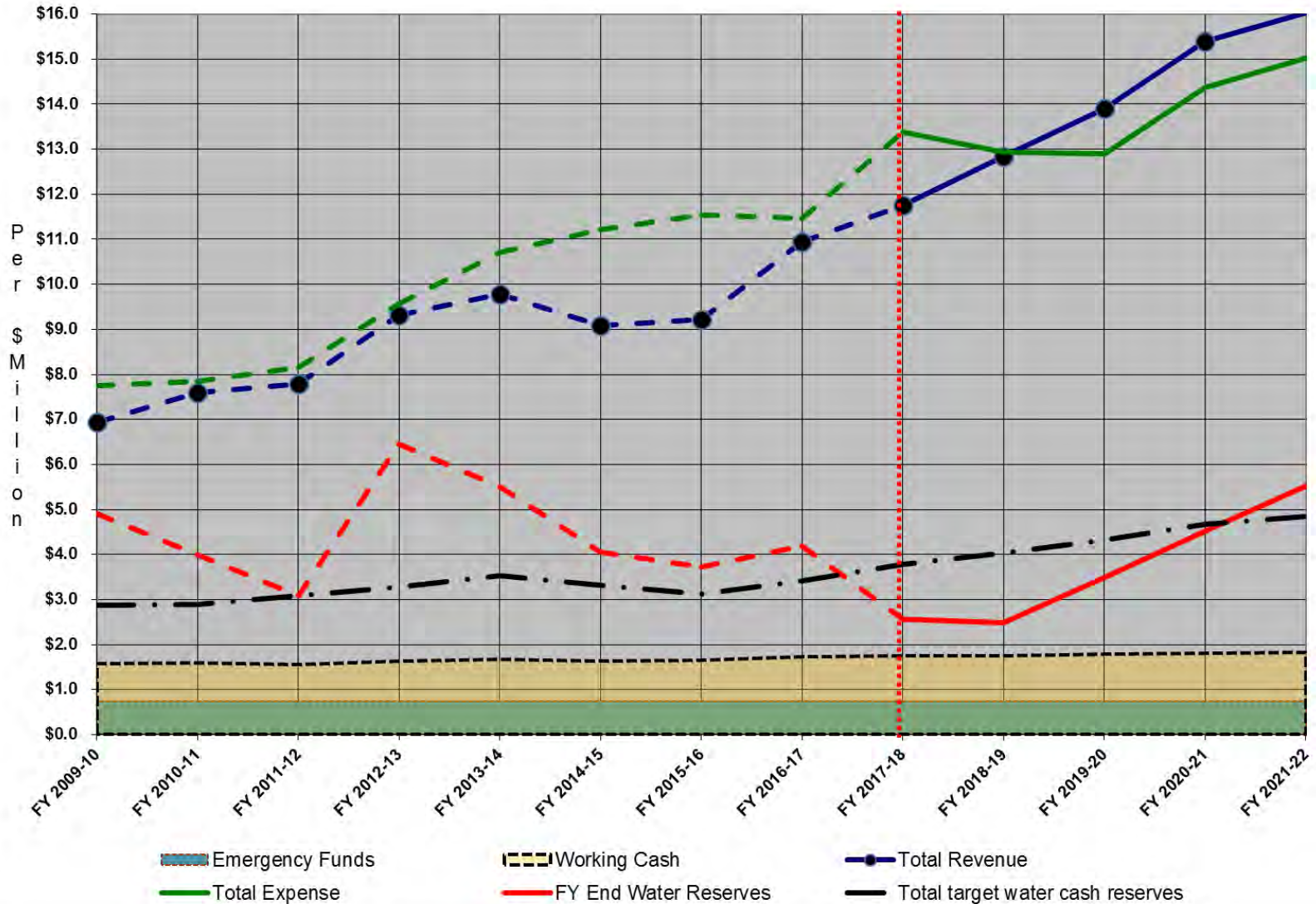


2017/18 Budget Assumptions



2017/18 Budget - Reserves

Crescenta Valley Water District
Budget - FY 17/18 - Preliminary v1
Water Expense vs. Revenue Summary



2017/18 Budget Rate Impacts

- Drivers

- Groundwater/Imported water ratio (more expensive imported water purchased)
- Aging infrastructure rehabilitation/replacement
- Prior year use of reserves

- Other Considerations

- Fixed revenue at 23% of total revenue – goal is 25%

- Recommended Water Rate Increase – 7.2%



2017/18 CIP Prioritization



2017/18 Budget Rate Impacts

- Rate Mitigation Options
 - Postponement of CIP Cost
 - Reactive vs. Proactive Maintenance
 - Risk of increased asset failures
 - Risk of increased imported water supply cost
 - Higher future year water rate increases
- Increased use of rate stabilization reserve
 - Reduced reserve for future year uncertainty
- Inter-fund transfers/loans

2017/18 Wastewater Discussion





PUBLIC NOTICE OF PROPOSED INCREASE IN WATER RATES AND CHARGES

**Public Hearing to be held on Tuesday, June 13, 2017, at 6:00 p.m.
2700 Foothill Blvd., La Crescenta, CA 91214**

The Crescenta Valley Water District (CVWD) is considering a water rate and charge increase for water services. **If approved, a water bill for a typical residence with a 3/4-inch meter using 17 units of water (17,000 gallons) during a two-month period, will increase by \$9.66 or 7.2%, (a monthly increase of \$4.83). This will result in a two-month bill increase from \$133.33 to \$142.99.**

Effective Date: If approved, the increased rates will become effective on all rates and charges on any bill where the billing period ends after July 1, 2017.

Why is there a need for a rate increase?

Clean, reliable water is a fundamental and essential public service provided by CVWD. Each year CVWD performs a comprehensive analysis of the costs to provide water services and the corresponding rates and charges for those services. Rates are designed to be adequate to cover expenses while ensuring that costs are equitably allocated so that rates are fair and in proportion to the services required by various customer classifications. With lower demands and recent rainfall, rates are still increasing, why?

Drought and Water Conservation: Despite the recent amounts of historic precipitation, the effects of the extended state-wide drought and less than average rainfall over the past five years in the Crescenta Valley has reduced the availability of CVWD's lowest cost water supply, local groundwater. Groundwater levels are at historic lows, which results in an increase in the amount of expensive imported water CVWD needs to purchase to meet demands. During the last fiscal year, even with the tremendous community water conservation efforts, the cost of purchased water increased by over \$1,000,00.00.

Aging Infrastructure: CVWD is committed to providing the highest quality of service at the lowest possible cost for our customers. Some portions of CVWD's water distribution system are over 50 years old and are approaching, or have already reached, the end of their useful lives.

Pipes, wells, pumping plants, reservoirs, and other infrastructure necessary to provide safe, clean water, wear out and must be replaced before they fail. This is especially true in a hillside community like La Crescenta where, in addition to the loss of water, the consequential damages to surrounding property owners resulting from a large water line failure could amount to millions of dollars. Proactive maintenance and strategic system replacement increases the lifespan of the District's most costly assets.

CVWD evaluates the infrastructure needs, programs, and operations and maintenance costs of the water services for the next five years. CVWD has evaluated and identified certain facilities requiring rehabilitation or replacement, which is estimated to be \$3.3 million for FY 2017/18.

CVWD is a Public Agency and does not operate on a for-profit basis.

What is CVWD doing to help reduce costs?

CVWD is committed to an efficient and economic operation and continuously evaluates every opportunity for expense reductions. CVWD reduced spending last year in operating expenses by over \$225,000.00 and was under budget in all other expense categories with the exception of purchased water.

CVWD has used and will continue to use funds from its “Rate Stabilization Reserves”. Additionally, CVWD borrowed \$3,000,000.00 from its MTBE reserve fund over the last two years to reduce the impact of water rate increases.

By State law, CVWD may not collect more revenue than is necessary to recover the costs of providing services.

What happens if CVWD does not raise rates?

-  More frequent service disruptions caused by failing facilities
-  Increased costs from emergency repairs and revenues from loss of water
-  Increased risk of impact on water quality
-  Revenue will not cover expenses
-  Decreased utility credit rating and possible fiscal impact on bond rating
-  Lower reserve levels impeding recovery from natural disasters, fires, or operational emergencies

Your Water Bill: There are two components that make up the water portion of the CVWD bill which you receive every two months.

-  **Water Service Charge:** A portion of CVWD’s overall fixed costs, which is not affected by water use, such as: infrastructure, well rehabilitation, system maintenance, and administration.
-  **Water Quantity Rate:** The cost per unit of water is based on a tiered rate structure. *A unit of water is 1,000 gallons.*

**Please see the current and proposed water rates and charges table
on the following page for all applicable rates and charges.**

Where Your Water Comes From:

CVWD serves its customers water from two water supply sources; 1) Water supplied from a local resource which is pumped from the ground (produced) by CVWD through a series of groundwater wells located within the Verdugo Basin; 2) Water purchased from Foothill Municipal Water District (FMWD). FMWD is a water wholesaler whose primary job is to purchase water from Metropolitan Water District of Southern California (MWD) and sell it to retail agencies like CVWD. The purchased water consists of a combination of water from the California State Water Project in Northern California and from the Colorado River.

The distance the water must travel greatly increases the cost of supplying the water. CVWD’s water supply purchased from FMWD is nearly three times more expensive than local groundwater.

Public Hearing:

CVWD welcomes your comments. There will be a public hearing on the proposed change on **June 13, 2017, at 6:00 p.m.** at CVWD’s main office. You may attend in person, or submit comments in writing.

Protest Letters:

Any CVWD customer or property owner within the CVWD water service area may file a written protest of the proposed rate changes by sending a letter to: CVWD, 2700 Foothill Boulevard, La Crescenta, CA 91214. A valid protest letter must include your name, your CVWD service address, a statement of protest, and an original signature, and must be received at the address above no later than **June 13, 2017 at 4:30 p.m.** Letters received prior to June 9, 2017 at noon will be included in the agenda package distributed to the Board of Directors and posted online at www.cvwd.com.

Board Meeting:

The Board of Directors will meet on **June 20, 2017 at 7:00 p.m.** to consider the proposed change. The Board may adopt, reject, or modify the proposed rate structure, but the Board will not increase water rates and charges more than indicated in this notice.

Questions?

On the following page is a table showing the proposed water rates and charges. It is also available for inspection on the CVWD website, www.cvwd.com, or at the CVWD main office between 8:00 a.m. and 4:30 p.m., Monday through Friday. CVWD staff can assist in answering any questions about your bill. If you have questions or need additional information, please call CVWD at (818) 248-3925 or e-mail water@cvwd.com.

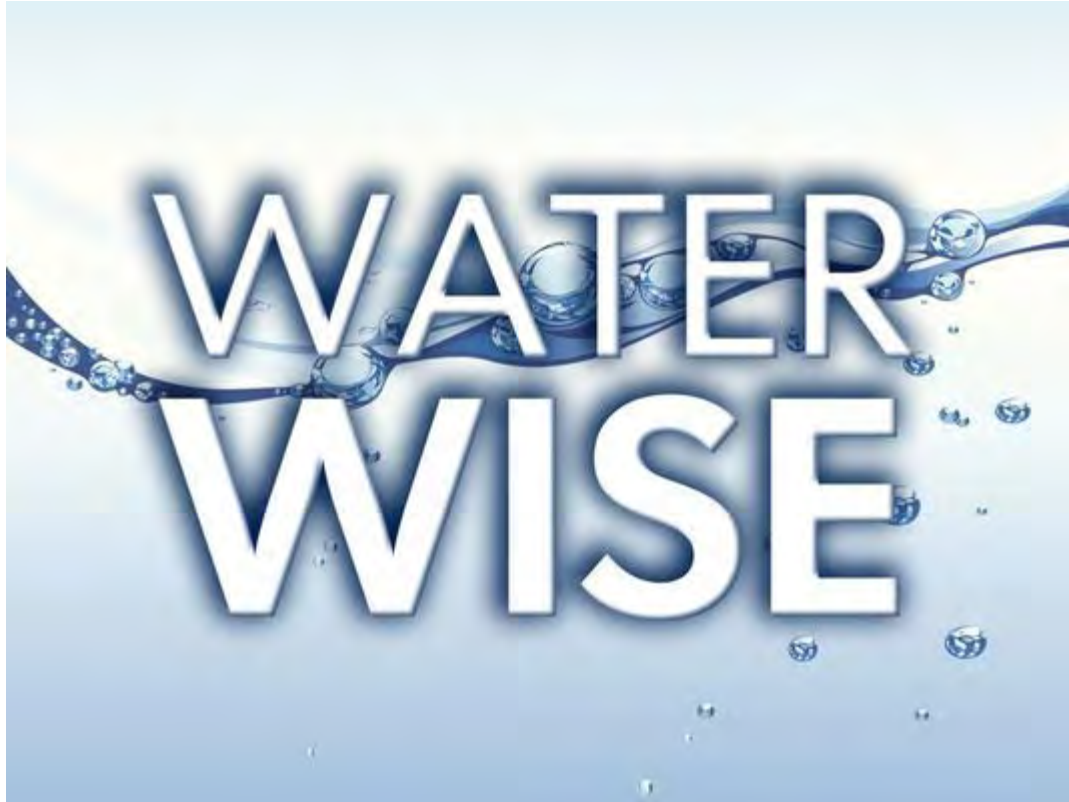
Current and Proposed Water Rates and Charges Table:

<u>Current</u>			<u>Proposed 7.2% Increase</u>		
<u>Usage Charge for Single Family Residence</u>			<u>Usage Charge for Single Family Residence</u>		
	<u>Water Use Range</u>	<u>Cost per Unit⁽¹⁾</u>		<u>Water Use Range</u>	<u>Cost per Unit⁽¹⁾</u>
Tier 1	1 - 10 Units	\$ 4.39	Tier 1	1 - 10 Units	\$ 4.71
Tier 2	11 - 26 Units	\$ 6.91	Tier 2	11 - 26 Units	\$ 7.41
Tier 3	27 Units and above	\$ 10.43	Tier 3	27 Units and above	\$ 11.18
<u>Usage Charge for Multi-Family, Commercial, Institutional, & School</u>			<u>Usage Charge for Multi-Family, Commercial, Institutional, & School</u>		
		<u>Cost per Unit⁽¹⁾</u>			<u>Cost per Unit⁽¹⁾</u>
Base Rate		\$ 6.22	Base Rate		\$ 6.67
<u>Usage Charge for Irrigation</u>			<u>Usage Charge for Irrigation</u>		
	<u>Water Use Range</u>	<u>Cost per Unit⁽¹⁾</u>		<u>Water Use Range</u>	<u>Cost per Unit⁽¹⁾</u>
Tier 1	1 - 80 Units	\$ 4.80	Tier 1	1 - 80 Units	\$ 5.15
Tier 2	81 Units and above	\$ 9.20	Tier 2	81 Units and above	\$ 9.86
<u>Meter Service Charge (per bimonthly period)</u>			<u>Meter Service Charge (per bimonthly period)</u>		
<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>	<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>
3/4"	\$ 41.06	\$ 41.46	3/4"	\$ 44.02	\$ 44.42
1"	\$ 61.25	\$ 61.65	1"	\$ 65.66	\$ 66.06
1½"	\$ 111.73	\$ 112.13	1½"	\$ 119.77	\$ 120.17
2"	\$ 172.32	\$ 172.72	2"	\$ 184.73	\$ 185.13
3"	\$ 364.16	\$ 364.56	3"	\$ 390.38	\$ 390.78
4"	\$ 646.87	\$ 647.27	4"	\$ 693.44	\$ 693.84
<u>Private Fire Protection Service Charge (per bimonthly period)</u>			<u>Private Fire Protection Service Charge (per bimonthly period)</u>		
<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>	<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>
1"	\$ 12.03	\$ 12.43	1"	\$ 12.90	\$ 13.30
2"	\$ 18.57	\$ 18.97	2"	\$ 19.91	\$ 20.31
3"	\$ 33.44	\$ 33.84	3"	\$ 35.85	\$ 36.25
4"	\$ 59.08	\$ 59.48	4"	\$ 63.33	\$ 63.73
6"	\$ 151.10	\$ 151.50	6"	\$ 161.98	\$ 162.38
8"	\$ 309.82	\$ 310.22	8"	\$ 332.13	\$ 332.53
10"	\$ 548.57	\$ 548.97	10"	\$ 588.07	\$ 588.47

Note: A unit is 1,000 gallons

Waterwise: Maximizing use of recent rain water

Nancy Hawkins 10:15 a.m. PT March 29, 2017



(Photo: Getty Images/iStockphoto)

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Note to readers: The Waterwise Column is ceding this week's space to Nancy Hawkins, frequent contributor of ideas and tips about water use.

With all the rain in the past months, a question I often hear is: "Is the drought over?"

"With an increase in rainfall, 25 percent of the state remains in an official drought," said Scott Borgioli, WeatherAg CEO and chief meteorologist. "The storms have significantly helped the drought conditions, but it will take one to three years to realize the full effects. If rainfall is below average next year, California could remain in a severe drought. Even if the state is no longer in a drought, the damage done is potentially irreversible. We are going to need to be cautious, any good will be quickly undone. "

Even with easing drought conditions, replenishing underground aquifers is a major concern.

For cities and public areas, flooding and mud slides can be problems. County officials are working to clear waterways and water drains to prevent flooding and to capture rain water. The water is directed to farmland and to recharge basins where it can percolate into the ground to fill aquifers. Many of Visalia's parks have a shallow grassy basin, great for soccer players, but also part of the city's water recapture program.

As we read about the rainfall and flooding situations such as those in Oroville, Santa Cruz mountains and San Jose, we realize most of the rain water in the state is not being captured for future use, but being sent to the ocean. The need for recharge basins as part of an overall water saving solution is overlooked.

Now, as a homeowner and Master Gardener, the question is: what can I do to collect and save this water? A year ago, I wrote an article for the Waterwise column describing four solutions I have found. They were rain chains, rain barrels, dry river beds and rain gardens. Today, I want to report back on two of them: rain chains and rain gardens.

Rain chains can be used to channel rain water from a roof to a catchment basin. I tried one at my home. A valley in our roof was funneling rain to the edge of the roof and over the gutter. The heavy rain was gushing down creating a mini mud slide and erosion area. I dug a hole one foot wide by one foot deep where the water was pooling and filled the hole with pea gravel. Then, I filled a mid-sized ceramic pot with more gravel and set it on the gravel filled hole. The rain chain reaches through a hole in the gutter through the pot to the ground. A wire hook secures the chain to the ground.

It worked.

Even during heavy rains, the water flows down the chain through the pot into the ground; no erosion, no ponding. Rain chains are available locally or online and can be plain or decorative.

Rain gardens are similar to retention basins, but on a much smaller scale. Simply put, they are sunken landscaped areas that soak up rain water coming from a roof, driveway or other impermeable surface. A Master Gardener, as part of a patio remodel and lawn removal project, built a rain garden in his backyard.

Here is what he did.

After removing the lawn, he dug out a space about 15 by eight feet, from one-two feet deep. It was no easy task. The downspout from the roof is connected to a perforated, 12-foot-long pipe, leading to the space. He covered the pipe and filled the depression with a couple feet of river rock. In a storm, the rain garden fills with a few inches of water that is gone within a couple hours after the rain stops. Water soaks into the ground rather than running off into storm drains.

A home rain garden can be in one of two places – near the house to catch only roof runoff or farther out in the lawn to collect water from the roof and other hard surfaces. It should be located at least 10 feet from the house to prevent foundation damage and in a level part of a yard.

While one individual rain garden may seem like a small thing, collectively they produce substantial neighborhood and community environmental benefits. Rain gardens work for us in several ways:

- Increasing the amount of water that filters into the ground, recharging aquifers.
- Helping protect communities from flooding, and drainage problems.
- Helping protect streams and lakes from pollutants carried by urban storm water.
- Enhancing the beauty of yards and neighborhoods.
- Reducing lawn area, thus saving irrigation needs.

Providing valuable habitat for birds, butterflies and many beneficial insects.

CVWD Invites Public Participation in the Water and Wastewater Budget and Rate Discussion

CV Weekly: March 30, 2017

On April 11 at 6 p.m., the Crescenta Valley Water District (CVWD or District) board of directors will hold a public workshop on the Fiscal Year 2018 budget and proposed water and sewer rates. The workshop will be held at the District office located at 2700 Foothill Blvd., La Crescenta.

The District is continuing to address the financial challenges of reduced water sales, declines in local groundwater supply and increasing infrastructure replacement needs. The community has responded very well to the state water conservation mandate resulting in a 27% reduction in water sales in 2016. However, local water supplies also declined due to the drought, which required an increase in expensive imported water supplies.

The District has reduced other operating expenses for two consecutive years and has used rate stabilization and other reserve funds to mitigate impacts to the water rates. However, funding for infrastructure replacement remains limited.

The District operates the water supply system with 88 miles of pipeline, 19 reservoirs with a storage capacity of 17 million gallons, 12 wells and three pump stations. The District's wastewater collection system has 70 miles of sewer pipeline that convey wastewater to the City of Los Angeles Wastewater Treatment Plants. CVWD, like many other utilities in Southern California, must address aging infrastructure, pipelines, wells, pumping plants, reservoirs and other hardware necessary to distribute water. Portions of the water distribution system are over 70 years old and in need of rehabilitation and repair.

Recognizing the importance of water supply reliability, CVWD has evaluated our community's water infrastructure and identified facilities requiring rehabilitation or replacement in order to ensure a safe and reliable water supply system now and for future generations. Over the next 10 years the District's infrastructure funding needs are expected to be \$3 million annually.

The District currently funds all capital repairs and equipment and pipeline replacements with its water rate revenues. State grant funds are also utilized for qualifying projects, with \$690,000 in grant revenue expected next year. The District's proposed budget for Fiscal Year 2018 includes infrastructure funding of \$3.3 million which will require a water rate increase and additional use of reserve funds. Currently, there are no changes proposed to the current wastewater rates. The CVWD board of directors encourages the public to attend the April 11 workshop. Information on the proposed budget will be posted on the District's website CVWD.com.

A public hearing for proposed increases to current water rates is tentatively scheduled for June 21. Information for the public rate hearing required under proposition 218 will be posted on the District's website and distributed to District customers at least 45 days prior to public hearing.

The New York Times

When Is a Drought Over? A Wet California Wants to Know

By [ADAM NAGOURNEY](#) MARCH 10, 2017



A flooded orchard in Glenn, Calif. Much of the state is officially out of the drought, but some parts, such as Santa Barbara, remain alarmingly dry. Credit Jim Wilson/The New York

LOS ANGELES — The Hollywood Reservoir is nestled in a basin surrounded, usually, by dusty brown hillsides, broken up by the occasional dry wisp of shrubbery. Not these days. After yet another burst of rain the other day, the hills were transformed into lush fields of knee-high grass, spotted with purple flowers. And the reservoir? As high as it has been in years.

In Northern California, snow could be seen on top of Mount Diablo outside San Francisco last weekend. Across the state, [dams are under siege](#) and reservoirs are overflowing. The snowpack in the Sierra Nevada — a source of water once winter ends and the dry months settle in — was nearly twice its normal level last week. (And that was before even more snow arrived.)

Yet for all that, California is, at least officially, still in a drought state of emergency. That has been the case since Jan. 17, 2014, when Gov. Jerry Brown [issued the order](#) after one of the driest years in California history.

Why hasn't the drought been declared over? Here are some answers for Californians — and everyone else who has watched this story unfold — about what is going on.

So is California ever going to end its drought emergency?

The answer is yes, or at least probably yes. “Very soon, but not right away,” Mr. Brown told reporters last week. “We are going to wait until the end of the rainy season.” In other words, about six weeks.

Why the wait? The Sierra Nevada snowpack is now at [181 percent of normal](#). There was hail in San Francisco the other day. People in Los Angeles are actually learning to drive in the rain.

To appreciate just how striking that snowpack statistic is, consider this: When Mr. Brown [attended the final snowpack measurement](#) of the season in April 2015, there was not a patch of snow in sight. That was when he ordered a mandatory 25 percent reduction in urban water use, and he met little resistance.

But Mr. Brown has seen enough droughts over his 78 years in California to know the risks. The snowpack, a central cog in California's nature-defying system of providing water to 40 million people, is ephemeral: A warm April or May could melt it away. That happened, to some extent, last year. The reason is [climate change](#).

And while most of California — 74 percent as of last week — is [officially out of drought](#), parts of the state, such as Santa Barbara, remain alarmingly dry. “Some Central Valley communities are still depending on water tanks,” said Nancy Vogel, the deputy secretary for communications at the California Natural Resources Agency.

Do Californians still have to cut back their water use an average of 25 percent from pre-drought levels?

That was the original directive by the governor, and Californians responded by meeting — and in some cases beating — the order. But because of that, and because conditions have improved, the State Water Resources Control Board eased up on the statewide mandate last year. The updated rules vary by region. In some places, there are no restrictions; in others, they remain relatively strict.

“What's really remaining is the monthly reporting and the bans on wasteful water use — the obvious stuff like watering so much that it runs into the street, hosing down your driveway,” said Felicia Marcus, the head of the Water Resources Control Board. “The reporting and the wasteful practices are things that the governor has asked us to make permanent. And we are working on making them permanent.”



Residents of North Tustin, Calif., had one of the highest water consumption rates in the region in 2015. Credit Monica Almeida/The New York Times

Are Californians conserving less water than they did when the order was first issued?

They are, but it's still better than you might think.

The rule that prohibits restaurants from serving water to customers without being asked seems to have gone, um, down the drain, at least in many places. But not all the gains in water conservation were a result of behavioral changes, like taking shorter showers or watering gardens just twice a week.

At the height of the emergency, many homeowners replaced lawns with drought-resistant gardens, often with the help of subsidies from water agencies in cities like Los Angeles. New homes [are being built](#) with low-flush toilets and restrictive shower heads, and lawns have given way to desert landscaping. Those kinds of changes produce lasting effects: Urban water use was down 20.5 percent in January compared with the same month in 2013, [state officials reported](#) Tuesday.



Michael Eaton paddled a canoe to his farm in Walnut Grove, Calif., which was flooded by the Cosumnes River this winter. CreditMax Whittaker for The New York Times

Is the state being too cautious? Think the boy who cried wolf: Isn't there a risk that people who responded so valiantly two years ago will take things less seriously the next time around?

That is always a risk state officials have to consider in determining when to declare the beginning or end of a drought. Beyond that, weather is, of course, ultimately unpredictable. California was girding in 2015 for a soaking El Niño weather pattern that never came. And before this winter began, some meteorologists were predicting a La Niña pattern, which would have meant drier conditions than usual. That certainly didn't happen.

"This year may be only a wet outlier in an otherwise dry extended period," Ms. Vogel said. "Unfortunately, the scientific ability to determine if next year will be wet or dry isn't yet capable of delivering reliable predictions."

In the end, has the drought been as bad as everyone worried it might be?

Probably not, though it is up there with one of the worst droughts in California's history. The last severe drought here lasted from 1987 to 1992. At the time that Mr. Brown acted, the state was in the midst of what would turn out to be the driest three-year period in its recorded history.

California has always suffered cyclical droughts, but there was considerable concern that global warming was making conditions worse. And many people in Southern California, where growth is booming, have to rely on water that is piped in from other places, mostly from Northern California.

"I had to look at the worst-case scenario," Ms. Marcus said. "I was worried. We had to act as if we were having our own millennial drought that would last 10 years. It was definitely DEFCON 1."

A version of this article appears in print on March 11, 2017, on Page A10 of the New York edition with the headline: Water Rises, but California Bides Its Time. [Order Reprints](#) | [Today's Paper](#) | [Subscribe](#)

CHECK DATE	CHECK No.	DESCRIPTION	Thomas Love	David Gould	Ron Mitchell	Christy Scott	Mark Hass	Dennis Maxwell	James Bodnar	Mike Claessens	Kerry Erickson	Ken Putnam	Judy Tejeda
1/19/16	33291	ACWA Fall Conf.-Indian Wells (gas)			27.60								
2/23/16	33440	AWWA Spring Conf-Sacramento (registration, airfare)		611.96									
3/23/16	33580	ACWA Legislative Symposium - Sacramento (air, parking, taxi)							319.19				
3/23/16	33604	ACWA Legislative Symposium - Sacramento (registration)							225.00				
3/23/16	33605	ACWA Spring Conf - Monterey (registration)								580.00			
3/23/16	33606	ACWA Spring Conf - Monterey (registration)									695.00		
3/23/16	33607	ACWA Spring Conf - Monterey (registration)										695.00	
3/23/16	33608	ACWA Spring Conf - Monterey (registration)											585.00
4/19/16	33727	AWWA Spring Conf-Sacramento (hotel, meals)		1,045.35									
4/19/16	33729	CWEA Conf - Santa Clara (registration)						670.00					
5/17/16	33880	CWEA Conf - Santa Clara (hotel, meals)						1,074.36					
5/24/16	33896	ACWA Spring Conf - Monterey (hotel, gas, mileage, meal)											1,271.42
5/24/16	33898	ACWA Spring Conf - Monterey (gas)								79.87			
6/9/16	33987	ACWA Spring Conf - Monterey (hotel)									954.95		
6/21/16	34070	ACWA Spring Conf - Monterey (hotel, car rental, gas)								1,316.65			
6/21/16	34071	ACWA Spring Conf - Monterey (hotel)										777.66	
6/21/16	34062	Cloud based water & energy data platform seminar-Oakland (air, car rent, parking)											494.62
6/21/16	34067	Accela (Springbrook) Conf-Los Angeles (registration)					699.00						
6/21/10	22327	Springbrook Conf-Portland (hotel, meals, car rental, parking)											
8/17/16	34380	AWWA Fall Conf-San Diego (registration)		445.00									
8/17/16	34380	ACWA Region 8 program (registration)		50.00									
8/17/16	34385	ACWA Region 8 program (registration)							50.00				
8/17/16	34386	ACWA Region 8 program (registration)											50.00
8/17/16	34383	CUEMA Leadership Summit - Monterey (registration)			475.00								
9/20/16	34467	AWWA Water Education Seminar - (registration & mileage)							169.40				
9/20/16	34518	Accela (Springbrook) Conf-Portland (parking)					84.37						
10/18/16	34699	CUEMA Leadership Summit - Monterey (hotel, meals)			511.43								
11/22/16	34857	AWWA Fall Conf-San Diego (hotel, meals)		953.00									
11/22/16	34860	ACWA Fall Conference-Anaheim (registration)			695.00								
11/22/16	34862	ACWA Fall Conference-Anaheim (registration)										695.00	
12/6/16	34921	ACWA Fall Conference-Anaheim (hotel, mileage)											362.76
12/21/16	35017	American Groundwater Conference - Ontario (registration)		590.00									
12/21/16	35020	ACWA Fall Conference-Anaheim (hotel, meals)			451.09								
12/21/16	35022	ACWA Fall Conference-Anaheim (hotel)										450.18	
			\$ -	\$ 3,695.31	\$ 2,160.12	\$ -	\$ 783.37	\$ 1,744.36	\$ 763.59	\$ 1,976.52	\$ 1,649.95	\$ 2,617.84	\$ 2,763.80
		TOTAL EXPENSE FOR CALENDAR YEAR 2016			\$ 8,383.16						\$ 9,771.70		
		TRAVEL BUDGET FOR CALENDAR YEAR 2016			\$ 12,700.00						\$ 4,750.00		
		TOTAL DIRECTOR MEETINGS PAID FOR CALENDAR YEAR 2016							34	31	34	30	45
		TOTAL DIRECTOR COMPENSATION FOR CALENDAR YEAR 2016							\$ 3,060.00	\$ 2,790.00	\$ 3,060.00	\$ 2,700.00	\$ 4,050.00

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

GM Report
April 4, 2017

To: Honorable President and Members of the Board of Directors
From: Thomas A. Love, General Manager
Subject: General Manager Report

General Manager Objectives

In November 2015 the Board identified objectives for the District and General Manager. The General Manager is also taking the lead on additional projects. The following is a summary of the progress and status for each objective or project.

Objective	Due Date	Status
Long-term strategic plan	December 31, 2016 April 18, 2017 June 30, 2017	3 Leadership Staff and 2 Board Workshops completed. Goals and objectives drafted. Draft Strategic Plan due April 18 th .
Complete Cost of Service Study for water and wastewater	June 30, 2016	Completed
Continued cost containment and improved financial reporting	On Going	Cost containment measures considered in preparation of FY 2017/18 Budget.
Develop a ten-year CIP	June 30, 2017	Draft ten-year CIP has been prepared by the District Engineer and presented to the Engineering Committee.
Develop staff succession plan	December 31, 2016 May 30, 2017	Included organizational and workforce planning in strategic planning process.
Project		
Recycled water evaluation	July 26, 2016 February 7, 2017	Completed
Solar energy evaluation	August 31, 2016 March 21, 2017	Request sent to solar vendors for evaluation of solar energy potential and cost for the District.
Main office building master plan	December 31, 2016 FY 2017/18	Potential inclusion in FY 2017/18 Budget.

Community Outreach Activities

- CVTC Presentation – March 16th - Water supply update, Pennsylvania Pipeline Project, Budget Workshop, Board Election Date.
- Press Release – Conservation Alert – March 22nd.
- CV Weekly Article – Public Workshop on Budget and Rates – March 30th.

General Manager Correspondence to the Board (Attached)

Staffing

On March 22nd all employees attended a luncheon where the General Manager presented an overview of the preliminary budget and the draft strategic plan.

As of March 31st, the District has worked **1025 days** without a lost time accident. The quarterly safety lunch (held every quarter without a lost time accident) was held on March 28th.

Prepared & Submitted by:

A handwritten signature in blue ink, appearing to read "Thomas A. Love", with a horizontal line extending to the right.

Thomas A. Love, P.E.
General Manager

From: [Thomas Love](#)
Subject: Some good news on Oroville - Lake Oroville reaches "pivot point" in crisis
Date: Monday, March 06, 2017 8:59:50 AM

To: Board Members, Legal Council.

From: General Manager.

FYI

http://enewspaper.latimes.com/infinity/article_popover_share.aspx?guid=85d4f2da-9124-4860-9f6c-928d58e2fe93

From: [Thomas Love](#)
Subject: 1000 Days Without Lost Time Accident
Date: Tuesday, March 07, 2017 8:24:25 AM
Attachments: [image1.jpg](#)
[image2.jpg](#)
[image4.jpg](#)

To: Board Members.

From: General Manager.

Directors, Dennis Maxwell has recognized the field staff for the excellent 1,000 day safety record.
This recognition should provide incentive to continue the focus on safety.

Thomas A. Love, P.E.
General Manager
Crescenta Valley Water District
818-248-3925 (office)
626-825-3678 (cell)

From: [Thomas Love](#)
Subject: FW: When Is a Drought Over
Date: Tuesday, March 14, 2017 2:20:13 PM
Attachments: [When Is a Drought Over.docx](#)

To: Board Members, Legal Counsel.
From: General Manager.

New York Times article about California drought attached. Good balanced discussion on drought status.

From: Christy Scott
Sent: Tuesday, March 14, 2017 9:36 AM
To: Thomas Love <TLove@cvwd.com>
Subject: When Is a Drought Over

Here is the Article.

From: [Thomas Love](#)
Subject: LA County BOS Approval of Election Date Change
Date: Wednesday, March 15, 2017 12:39:53 PM
Attachments: [LA BOS Election Letter.pdf](#)

To: Board Members, Legal Counsel.
From: General Manager.

Directors, attached is correspondence from the LA County Board of Supervisors approving the Districts request to change its Board member elections from odd years to even years.

Thomas A. Love, P.E.
General Manager
Crescenta Valley Water District
818-248-3925 (office)
626-825-3678 (cell)

From: [Thomas Love](#)
Subject: CV Weekly referencing Drought and Conservation
Date: Thursday, March 16, 2017 12:25:40 PM
Attachments: [image001.png](#)

To: Board Members, Legal Counsel.
From: General Manager

Local media coverage referencing CVWD. FYI.

Weather in the Foothills



Posted by [Charly Shelton](#) on Mar 16th, 2017 and filed under [News](#). You can follow any responses to this entry through the [RSS 2.0](#). You can skip to the end and leave a response. Pinging is currently not allowed.

[Tweet](#)

"When the well is dry, we learn the worth of water."
– Benjamin Franklin

Did we really have a wet winter? Within a week's time, our winter weather skipped over a season and landed into summer. Last Sunday the temperature reached 90 degrees. Within a few days the first day of spring arrives, so it was not forgotten. A few thoughts come to mind as our rainy season gradually approaches its final days. Is the drought over? What are the realities and concerns for our area?

Read the following in regard to water conservation in the Crescenta Valley. One could easily assume it pertained to last year's drought conditions. I even checked the date, thinking perhaps the information had not been updated. No, not the case; these words were found on Crescenta Valley Water District's website www.cvwd.com yesterday, March 15: EXTRAORDINARY is defined as an Extraordinary Conservation Alert, when Metropolitan Water District of Southern California is pulling water from most of its storage programs to meet demands. Extraordinary conservation is called for from customers. Customers are requested to minimize indoor water use and water outdoors no more than three (3) days per week. Outdoor irrigation will be permitted only on Tuesday, Thursday, and Saturday, before 9 a.m. and after 5 p.m., for a period of no more than seven (7) minutes per station. The statement reads as if we are still in a drought. After six years our water local ground waters (wells, aquifers, etc.) remain low. Many years of good rainfall are needed to replenish them. To assume this will happen would be unwise. This year, northern California got the "lion's share" of the rain, their overflowing reservoirs and record-breaking snow pack standing as proof. Hopefully they will have a bit to spare! We may need it.

Most of Southern California is considered a desert region; climatically, drought is the norm. Rainy years are really the exception to the rule. With the state's primary water sources up north and the greatest population in the south, water will remain a precious resource. Importing extra water has supplemented our needs, but thoughtful and diligent water usage is the ultimate answer. So water conservation, drought-tolerant plants, fewer lawns and watering days become blended into "life in Southern California!" Not a bad trade-off; we got the weather!

The 2016-17 rainfall total, thus far, stands at 26.08. Beyond the month of March, another inch or two may fall; but that's it. June marks the end of rainfall season. The average annual precipitation for La Crescenta is approximately 24 inches. Current data looks good ... for now.

Here comes the rain, again. Low pressure allows for cooling accompanied by fog and

clouds to move in beginning Saturday. Early next week, widespread rain and mountain snow is forecast. This first storm appears to be the first of many, as the jet stream has shifted south once again. Timing and amounts upcoming.

"Top o' the mornin' to ya," the spry leprechaun muttered, while shutting off his sprinklers.

Sue Kilpatrick is a

Crescenta Valley resident and

Official Skywarn Spotter for the

National Weather Service. Reach her at suelkilpatrick@gmail.com.

Thomas A. Love, P.E.

General Manager

Crescenta Valley Water District

818-248-3925 (office)

626-825-3678 (cell)

From: [Thomas Love](#)
Subject: FW: Interesting study on water conservation communication
Date: Monday, March 20, 2017 8:22:39 AM
Attachments: [image001.png](#)

To: Board Members, Legal Counsel.

From: General Manager.

From: Tom Bunn [mailto:TomBunn@lagerlof.com]
Sent: Monday, March 20, 2017 8:12 AM

Water-saving message produced negative results

Chapman University

A statewide study on the [communication campaigns](#) to conserve water during the drought has found that the messaging produced the exact opposite results intended. "What we learned was counterintuitive to what we expected," said Jake Liang, Ph.D., lead author on the study. "Conservation campaigns, regardless of the strategy – in general – led to participants having an attitude change in a negative direction—meaning they were less inclined to take action to conserve water after seeing the messages."

[READ MORE ►](#)



Thomas S. Bunn III
(626) 793-9400
TomBunn@lagerlof.com
www.lagerlof.com

From: [Thomas Love](#)
Subject: Leak Repair on Briggs
Date: Friday, March 31, 2017 7:00:11 AM

To: Board Members, Legal Counsel.

Directors. There is a service lateral leak on Briggs near the Sherriff station. Dennis recognized that work during weekdays would likely impact traffic flow on Briggs. He has scheduled the repair for a Saturday, one week from tomorrow. I will ask Dennis to post advance notice boards advising of the road work on Saturday April 8th.

Thomas A. Love, P.E.
General Manager
Crescenta Valley Water District
818-248-3925 (office)
626-825-3678 (cell)

-----Original Message-----

From: Dennis Maxwell
Sent: Thursday, March 30, 2017 4:22 PM
To: GRP_CVWD_Managers <GRP_CVWD_Managers@cvwd.com>
Subject: Saturday job

Good afternoon,

We have a long side 2" service leak that feeds the Sheriff's station, today we dug down and shut-off the corporation valve and set up a temporary service. We have assembled a crew for not this Saturday but the following Saturday to install the new service. We are working with L.A. Country to see if a special Saturday permit is needed.

Thanks,

Dennis Maxwell Jr
Operations and Maintenance Superintendent Crescenta Valley Water District
3730 Glenwood Ave.
La Crescenta, Ca 91214
dmaxwell@cvwd.com
818-249-2185 EXT. 3108
818-445-1721 CELL (24 hours)
818-249-8752 FAX

From: [Thomas Love](#)
Subject: March 2017 CVWD relaxes Water Conservation Alert to Blue
Date: Wednesday, March 22, 2017 3:19:15 PM
Attachments: [March 2017 CVWD relaxes Water Conservation Alert to Blue-Short Draft a.docx](#)

To: Board Members, Legal Counsel.

From: General Manager.

Directors, attached is an advance copy of the press release. The alert status change will take effect this Friday.

Tom

From: [Thomas Love](#)
Subject: CV Weekly Article re: budget and public workshop
Date: Thursday, March 30, 2017 8:55:21 AM
Attachments: [3-27-2017 CVWD Budet Workshop.docx](#)

To: Board Members, Legal Counsel.

From: General Manager.

Directors, todays CV Weekly edition contains this article regarding the District's Budget, Rates and invites public participation at the April 11th workshop.

Thomas A. Love, P.E.
General Manager
Crescenta Valley Water District
818-248-3925 (office)
626-825-3678 (cell)



**Crescenta Valley Water District Invites Public
Participation in the Water and Wastewater Budget
and Rate Discussion**

On April 11th at 6:00 p.m. the Crescenta Valley Water District (CVWD) Board of Directors will hold a public workshop on the Fiscal Year 2018 Budget and proposed water and sewer rates. The workshop will be held at the District office located at 2700 Foothill Boulevard, La Crescenta.

The District is continuing to address the financial challenges of reduced water sales, declines in local groundwater supply and increasing infrastructure replacement needs. The community has responded very well to the state water conservation mandate resulting in a 27% reduction in water sales in 2016. However, local water supplies also declined due to the drought which required an increase in expensive imported water supplies.

The District has reduced other operating expenses for two consecutive years and has used rate stabilization and other reserve funds to mitigate impacts to the water rates. However, funding for infrastructure replacement remains limited.

The District operates the water supply system with 88 miles of pipeline, 19 reservoirs with a storage capacity of 17 million gallons, 12 wells and 3 pump stations. The District's wastewater collection system has 70 miles of sewer pipeline which convey wastewater to the City of Los Angeles Wastewater Treatment Plants. CVWD, like many other utilities in Southern California, must address aging infrastructure, pipelines, wells, pumping plants, reservoirs and other hardware necessary to distribute water. Portions of the water distribution system are over 70 years old and in need of rehabilitation and repair.

Recognizing the importance of water supply reliability, CVWD has evaluated our community's water infrastructure and identified facilities requiring rehabilitation or replacement in order to ensure a safe and reliable water supply system now and for future generations. Over the next ten years the District's infrastructure funding needs are expected to be \$3 million annually.

The District currently funds all capital repairs and equipment and pipeline replacements with its water rate revenues. State grant funds are also utilized for qualifying projects, with \$690,000 in grant revenue expected next year. The District's proposed budget for Fiscal Year 2018 includes infrastructure funding of \$3.3 million which will require a water rate increase and additional use of reserve funds. Currently, there are no changes proposed to the current wastewater rates. The CVWD Board of Directors encourages

the public to attend the April 11th workshop. Information on the proposed budget will be posted on the District's website: CVWD.com.

A public hearing for proposed increases to current water rates is tentatively scheduled for June 21st. Information for the public rate hearing required under proposition 218 will be posted on the District's website and distributed to District customers at least 45 days prior to public hearing.



NEWS FROM CRESCENTA VALLEY WATER DISTRICT
From the General Manager's Office
(818) 248-3925
FAX (818) 248-1659
cjscott@cvwd.com

For Immediate Release, March 24, 2017:

Crescenta Valley Water District Relaxes Water Conservation Alert Status in Response to Dramatic Improvement in Water Supply Conditions

In response to improvements in our available water supplies and to provide customers flexibility in how they conserve water, the District will change from "Yellow Water Conservation Alert" to **"Blue Water Conservation Alert"** effective March 24, 2017. This will remove limitations on outdoor watering days, however 3-days per week watering is still encouraged and standard water conservation practices remain in effect.

Rainfall and Sierra snowpack to date has exceeded all forecast expectations. Local rainfall is trending 120 percent above average precipitation. Precipitation in the Sierra Mountains is currently at record levels and snowpack water content is over 150 percent of the average amount. As a result, the imported water supply available for Crescenta Valley Water District's (District) customers has improved dramatically.

"The community has taken responsibility in response to the call for conservation. Although our local groundwater levels are at historic lows, this year's rainfall is expected to replenish local wells over the next twelve to eighteen months. This, combined with the improved water supply situation, allows the District to relax the conservation alert status at this time", stated Tom Love, General Manager. "However, hose washing of pavement, allowing water to run off, watering during or after a rain event, and other wasteful practices are permanently prohibited", continued Love.

Information regarding permitted and prohibited water use under the "Blue Water Conservation Alert" and helpful water saving tips are available on the District's website www.cvwd.com.

###

Crescenta Valley Water District provides water and wastewater service to the community of La Crescenta and portions of Glendale, La Canada, and Montrose.

Lake Oroville reaches ‘pivot point’ in crisis

Engineers reactivate a vital hydroelectric plant at dam’s base for the first time since massive evacuations.

By Joseph Serna

For the first time since a crisis at Lake Oroville forced the evacuation of more than 100,000 people almost three weeks ago, engineers reactivated a vital hydroelectric plant at the base of the towering dam Friday.

Renewed operation of the Hyatt Powerplant follows a frantic five-day race to remove tons of debris that posed a hazard to the facility’s massive turbines.

Now that enough debris has been cleared, dam operators can safely release water into the Feather River without using the facility’s badly damaged main spillway.

The water releases will ensure the survival of millions of steelhead chinook salmon downstream, officials say.

“This is a pivot point in how we’re managing inflows into the river,” said Bill Croyle, acting director of the state Department of Water Resources.

Since the beginning of last week, crews had been working round the clock to remove about 168,000 cubic yards of trees, rock and sediment that settled beneath the dam. Crews used excavators on floating barges, bulldozers and dump trucks to haul away the debris in a spectacle that resembled the industrious labor of armored ants.

The rocks, sand and vegetation that crews removed was just a fraction of the total 1.7 million cubic yards of debris that littered the waterway in the aftermath of last month’s emergency. Officials say that debris was enough to fill the Houston Astrodome and caused water levels to rise so high that they covered the power plant’s water outlets and threatened operation of the turbines.

But by Friday morning, the waters around the power plant had receded at least 22 feet — enough to safely use the plant’s water outlets.

At 10 a.m., engineers powered up one of the plant’s five turbines. Eventually, when

all of the turbines are operational, the plant will be able to flush 14,000 cubic feet of water per second from the reservoir, which state water officials say is enough to handle the inflow of rain and snowmelt through summer.

The plant's shutdown was the culmination of a cascading set of problems that struck the reservoir after weeks of heavy rain in Northern California.

The first problem arose in early February, when the reservoir's main flood control spillway began to erode and engineers stopped using it temporarily. But when the reservoir began to overflow with water, a second, emergency spillway began to erode as well. Fearing that erosion of the unlined emergency spillway might cause a concrete weir to collapse and release a 30-foot wall of water, authorities ordered widespread evacuations Feb. 12.

Although residents below Oroville Dam have since been allowed to return home, they have lived under an evacuation advisory. On Friday, officials said the advisory could be lifted this week if the power plant operates without issue through the weekend.

joseph.serna@latimes.com

Twitter: [@JosephSerna](https://twitter.com/JosephSerna)

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

April 4, 2017
Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: District Engineer – Staff Report

1. Water Production Report

- March 1 – 31 – Water production – 49%/61% split – 90.8 MG for the time period
- Average use – 2.2% more than 2016 and 20.6% less than 5-yr average
- Overall Estimated Water Production for FY 16/17 – 3,801 ac-ft, 3% higher than projected 3,700 ac-ft

2. Rainfall Update

- 0.65" for March 2017
- Rainfall total for Rainfall Year 2016/17 – 24.32"

3. Report on Engineering

• **CIP Projects**

- Ocean View Chloramination Project
 - Award of Contract for piping for delivering water to FMWD
 - Agreements – Working with FMWD & LADWP
- Pipeline Projects
 - 4200 – 4400 Blocks of Pennsylvania – Project to Start on 4/24/17
- Pickens Canyon Pipeline Replacement and Slope Repair
 - Construction Progress
 - Slurry backfill of slope – completed 3/31/17
 - Import soil backfill for slope – start 4/3/17
 - Pipe installation – start 4/10/17
 - Project complete by 4/28/17
- Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir
 - Pickens Reservoir – to be completed by end of April 2017

• **Nitrate Removal Treatment Facility at Well 2 Project**

- SA Associates working on 100% design plans and specifications
- Plans submittal to Glendale Building & Safety for Permits
- RFQ to pre-order Electrical Motor Control Center sent out to vendors

• **Crescenta Valley County Park Stormwater Recharge Facility Study**

- Final Report submitted to DWR
- Presentation at future Board Meeting

• **ULARA**

- RFP for 3-year Watermaster services sent to consultants

• **Water Meter Replacement Program**

- Field crews replacing water meters in Zones 8, 9 & 1, working on Zone 6 & 7
- Replaced 339 meters in FY 16/17

4. **Report on Administrative and Field Operations**

• **Wells - Status**

- Well production capacity - averaging 1.50 MGD for March 2017
- Well 8 out of service

5. **Field Maintenance & Operations**

▪ **Water Lateral Leaks & Repairs**

2410 Mayfield Ave.	2849 Sycamore Ave	2505 Montrose
2544 & 2545 Frances	2354 Rockdell	3120 Brookhill
4105 Ocean View	2916 Mountain Pine	4842 Pennsylvania

▪ **Fire Hydrant Repair**

- 5100 Block of Parkhaven Ave

▪ **Developer Job**

- No Report

▪ **Water Main Leaks**

- 4500 Block of Frederick

▪ **Booster Pump Maintenance**

- No Report

▪ **Reservoir Maintenance**

- No Report

▪ **Sewer Maintenance**

4400 - 4500 Blocks of Ramsdell	2800 - 2900 Blocks of Foothill	2800 - 2900 Blocks of Mary
2800 - 2900 Blocks of Community	2700 - 2900 Blocks of Henrietta	2800 - 2900 Blocks of Adams
2700 - 2900 Blocks of Orange	2800 - 2900 Blocks of Paraiso Way	2800 - 2900 Blocks of Santa Carlotta
2800 - 2900 Blocks of El Caminito	2800 - 2900 Blocks of Stevens	2800 - 2900 Blocks of Alabama
2800 - 2900 Blocks of Los Olivos	2800 Block of Fairmount	2800 Block of Sanborn
2700 Block of Harmony	2700 Block of Frances	2700 Block of Brookhill
4900 - 5200 Blocks of La Crescenta		

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

March 1 - March 31, 2017

Well Production:	34,028,862	Gals		
GWP Production:	9,543,736	Gals		
Gravity Production:	1,239,000	Gals	% GW	49%
Purchased Water:				
FMWD:	45,942,500	Gals		
City of Glendale:	0	Gals	% Import	51%
TOTAL:	90,754,098	Gals		
	278.51	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	9,624,820		*Included in Well Production	

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
March 1, 2017 - March 31, 2017	2,650,487	
March 1, 2016 - March 31, 2016	2,593,321	2.2%
5-yr Average - March 2012 - 2016	3,337,307	-20.6%

RAINFALL: March 1 - March 31, 2017

0.65"

Season-To-Date:

24.32"

2016/17 Fiscal Year Water Production			Groundwater Production Water Rights		GWP (Well 16) Water Production		Purchased Water Production Tier 2 Allocation	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Month	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	379	315	October	123	January	31	January	102
August	383	345	November	120	February	27	February	82
September	376	325	December	100	March	29	March	141
October	354	315	January	112	April		April	
November	319	290	February	95	May		May	
December	277	250	March	108	June		June	
January	245	260	April		July		July	
February	205	285	May		August		August	
March	278	330	June		September		September	
April		325	July		October		October	
May		325	August		November		November	
June		335	September		December		December	
Total to Date	2,816	2,715	Total to Date	659	Total to Date	87	Total to Date	325
Projected	3,801	3,700	Water Rights	3,294			Tier 2	2,154
% of Projected	76.1%	73.4%	% of Rights	20%			% of Allocation	15%
Remaining	884	985	Remaining	2,635			Remaining	1,829

NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Rainfall - 1970/71 - 2016/17 (Oct.- March)

