

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 March 7, 2017 at 7:00 p.m.**

Posted: March 3, 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 February 21, 2017.
2. Authorize attendance at the 2017 ACWA Spring Conference to be held May 9-12, 2017 in Monterey, CA.
3. Authorize attendance at the ACWA Legislative Symposium to be held March 8, 2017 in Sacramento, CA.

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. **Temporary Utility Worker** – Consideration and motion to extend use of a temporary Utility Worker for up to an additional six months.
2. **FY 2017/18 Water and Wastewater Budgets and 10-year CIP** – Discussion of draft FY 2017/18 Water and Wastewater Budgets and 10-year Capital Improvement Program.
3. **Strategic Planning** – Discussion regarding the Strategic Plan of the District.

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.

Closed Session

- **Conference with Legal Counsel – Anticipated Litigation**
 - o Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9 (one case).

Board Members' Request for Future Agenda Items

Adjournment

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

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of February 7, 2017, an Adjourned Regular Meeting was held on February 21, 2017, at 7:00 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 Michael L. Claessens (Absent) Kerry D. Erickson Kenneth R. Putnam Judy L. Tejeda
Attorney:	Thomas S. Bunn
General Manager:	Thomas A. Love
Secretary-Treasurer:	Ron L. Mitchell
District Engineer:	David S. Gould
Others Present:	Dennis Maxwell, Superintendent Rich Atwater, FMWD Director

PLEDGE OF ALLEGIANCE

President Bodnar opened the meeting by asking Director Erickson to lead the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Putnam, seconded by Director Tejeda and carried by a 4-0 vote that the Agenda for the Adjourned Regular Meeting of February 21, 2017 be adopted as presented.

PUBLIC COMMENT – None.

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Mr. Atwater feels that the FMWD member water agencies should continue to work together with the same water conservation alert status and said that MWD will store 1.2 MAF this year. He reported that the FMWD agencies should get together for a joint financing workshop this spring.

CONSENT CALENDAR

It was moved by Director Tejeda, seconded by Director Erickson and carried by a 4-0 vote to approve the Minutes of the Regular Board Meeting held on February 7, 2017.

It was moved by Director Tejeda, seconded by Director Putnam and carried by a 4-0 vote to ratify the disbursements for January 2017 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before January 31, 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 Seven Hundred Seventy Two Thousand Three Hundred Ninety Six Dollars and Forty Two cents (772,396.42), which is composed of the individual items set forth herein.

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 4-0 vote to authorize the General Manager to award the contract to the lowest responsible bidder, Robert Brkich Construction, for the 8-inch water main replacement for the construction of the pipeline replacement on the 4300 and 4400 blocks of Pennsylvania Ave., Project E972, at a cost of \$242,450 and establish a contingency amount of \$24,245 (10% of contract) to cover the cost of unforeseen or additional work.

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 4-0 vote to authorize the General Manager to enter into an agreement with DMc Engineering and AMEC Foster Wheeler to provide inspection services related to the Lower Pickens Canyon Pipeline Replacement and Slope Repair, Project E-957 at a total cost of \$40,565.

ACTION CALENDAR

Discussion of Water Production – Mr. Love reported that the Engineering Committee met and has discussed water demand projections for FY 17/18 and estimated water demands from FY 18/19 through FY 26/27. The water demands have increased from the FY 15/16 and are projecting that this trend will continue, however there will be a slow recovery of groundwater production. Estimating the water demands for the coming year is an important element for preparing the annual water budget. Following discussion, the Board has directed staff to proceed with the FY17/18 budget.

Strategic Planning – Mr. Love reported that he has a proposal from a consultant to do an organizational assessment in the amount of \$10,000 to help the long term structure and staffing needs of the District. This will take approximately three to four weeks.

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL

SECRETARY-TREASURER – Mr. Mitchell presented and discussed a recap of the investments for the Fiscal Year 2016/17. He also said that they have sent out RFP's to six firms for the annual audit services and have received four responses back with questions. Also the County has sent information to each Director regarding Form 700 stating this can either be sent by mail as it has been in the past or you can file electronically.

GENERAL MANAGER – Mr. Love reported on the water supply status, the General Manager Objectives, and community outreach activities. The website has been updated and has a new link to water supply graphics. There is two staff retirements this month, the Accountant and the Water Conservation Specialist. The District has worked 983 days without a lost time accident.

DISTRICT ENGINEER

Water Production – For the period of February 1 through February 17, 2017, water production was 43.3 million gallons for the period, which is **13.5% less** than the daily average production of the same period in 2016. This is **22.4% less** from the daily average production of the previous five years.

Rainfall: February 2017	2.05”
Season-to-date:	20.43”

Administrative and Field Operations – Mr. Gould provided a memorandum and discussed the following:

Rainfall Update – 2.05” for February 2017. Rainfall total for 2016-17 is at 20.43”.

Report on Engineering:

CIP Projects – Ocean View Chlorination Project – Preparing RFQ for piping for delivering water to FMWD. Agreements – Working with FMWD & LADWP. Pipeline Projects – 4200 – 4300 Blocks of Pennsylvania (Mills Pumphouse) - See Staff report. Pickens Canyon Pipeline Replacement and Slope Repair – Construction to start February 27, 2017. Paschall Booster Station MCC and Piping Upgrades – Staff working on Request for Proposal. Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir – Pickens Reservoir – to be completed by March 2017.

Nitrate Removal Treatment Facility at Well 2 Project – Consultant working on 90% Design – plans and specifications. Preparing plans for submittal to Glendale Building & Safety, Public Works and Water & Power for permits. Preparing RFQ to pre-order Electrical Motor Control Center and Pre-Fabricated Buildings.

Crescenta Valley County Park Stormwater Recharge Facility Study – No Report.

ULARA – No Report.

Water Meter Replacement Program: Field crews replacing water meters in Zones 8 & 9. Replaced 174 meters to date.

Report on Administrative and Field Operations:

Well Status – Well production capacity – Averaging 1.66 MGD for February 2017. Also last Thursday Well 8 has gone out and will be inspected tomorrow.

Field Maintenance and Operations update for October 1 – October 14, 2016

Water lateral leaks & repairs

- 4840 Sunset
- 3222 Honolulu
- 3919 Ramsdell

Fire Hydrant Leak – No Report.

Developer Job – No Report.

Water Main Leaks – 8-inch Main Leak – 4400 Block Raymond.

Booster Pump Maintenance – No Report.

Reservoir Maintenance – No Report.

Sewer Maintenance – 4500 Block of Ramsdell. 2900 Block of Foothill. 4400 Block of Cloud. 3100 Block of Community. 4300 & 4400 Blocks of Pennsylvania. 3100 Block Abella. 3100 Block of Prospect. 3100 Block of Evelyn.

PROGRAM SPECIALIST – No Report

INFORMATION TECHNOLOGY – No Report

ATTORNEY – No Report.

REPORTS OF COMMITTEES

Engineering Committee – Director Bodnar reported that the Committee met on February 16, 2017 at 9:00 a.m. They discussed water production with ground water/imported water chart, the awarding of a contract for the 8-inch water main replacement on the 4300 & 4400 blocks of Pennsylvania, award of contract for inspection services for the Pickens Canyon main replacement and slope repair, and the 10 year CIP projects and administrative consultants for the FY 17/18 Budget.

Finance Committee – Director Tejada reported that the Committee will meet on February 23, 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 will meet on February 24, 2017 at 9:00 a.m.

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 had not met; however a meeting will be scheduled as needed.

DIRECTORS ORAL REPORTS

Director Bodnar reported that MWD will be having a Foundational Actions Funding conference on February 23, 2017, with a webinar, or you can attend the conference in person. They will be covering topics on storm water, recycled water and desalination.

Director Claessens – No Report

Director Putnam – No report

Director Tejada reported that she participated in the ACWA Energy Committee meeting via a webinar. They discussed storage incentives for solar, water energy nexus, renewable energy, the SCE rate case & PG&E rate case, and other solar projects.

Director Erickson reported that he attended a Chamber event two weeks ago. He reported on two rain gauges that he has, with the small one registered 4.5” of rain and the larger water gauge registered 2.5” of rain due to how the wind was blowing the rain.

ADJOURNMENT

There being no other business to come before the Board at 8:30 p.m., it was moved by Director Tejeda, seconded by Director Erickson and carried by a 4-0 vote that the meeting be adjourned to March 7, 2017 at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

PRICING REFERENCE SHEET



ACWA 2017 Spring Conference & Exhibition REGISTRATION, MEALS & HOTEL PRICING

May 9 - 12, 2017 | Monterey Marriott & Portola Hotel

Register online @ acwa.com

Regular registration and cancellation deadline is April 14, 2017 • 4:30 p.m. (PST)

NEED TO REGISTER ON SOMEONE ELSE'S BEHALF? YOU CAN NOW SIGN IN AS YOURSELF - After you've logged-in, you can select from a list of people affiliated with your company and proceed to register him/her for the event. If the registrant is not listed, you will have the opportunity to create a Portal profile for him/her before registering.

REGISTRATION FEES & OPTIONS	REGULAR	ONSITE
Advantage (For ACWA public agency members, affiliates & associates ONLY) (ends 4/14/17)		
Full Conference Registration & Meals Package	\$699	Not Avail.
Full Conference Registration Only (meals sold separately)	\$555	\$575
One-Day Conference Registration (meals sold separately): Wednesday 5/10 -OR- Thursday 5/11 ...	\$320	\$340
<i>Wednesday registration includes Welcome Reception on Tuesday evening.</i>		
<i>Thursday registration includes ability to purchase a ticket for Friday breakfast.</i>		
Standard (Applies to non-members of ACWA)		
Full Conference Registration Only (meals sold separately)	\$830	\$850
One-Day Conference Registration (meals sold separately): Wednesday 5/10 -OR- Thursday 5/11 ...	\$470	\$490
<i>Wednesday registration includes Welcome Reception on Tuesday evening.</i>		
<i>Thursday registration includes ability to purchase a ticket for Friday breakfast.</i>		
Guest (Guest registration is not available to anyone with a professional reason to attend.)		
Guest Conference Registration (meals sold separately)	\$45	\$45

MEAL FUNCTIONS	REGULAR	ONSITE
Wednesday - May 10		
Opening Breakfast	\$45	\$50
Wednesday Luncheon	\$50	\$55
Thursday - May 11		
Networking Continental Breakfast	\$35	\$40
Thursday Luncheon	\$50	\$55
Thursday Dinner	\$65	\$70
Friday - May 12		
Friday Breakfast	\$45	\$50

HOTEL INFORMATION *Reservations will not be accepted until February 27, 2017.*

You must be registered for the ACWA conference in order to receive hotel reservation information and conference special room rate. Conference special rate is available February 27 - April 17, based on availability.

Special Hotel Rates

Monterey Marriott Hotel Single/Double \$198
Subject to 14.345% tax + \$2.00 tourism fee (per room per night)

Portola Hotel Monterey Single/Double \$198
Subject to 14.345% tax + \$2.00 tourism fee (per room per night)

Hotel Pacific Single/Double \$198
Subject to 14.345% tax + \$1.00 tourism fee (per room per night).

Important Dates:

For those registering for conference prior to February 27, hotel information will be provided via e-mail on February 27.

For those registering for conference from February 27 to April 14, your confirmation e-mail will include hotel reservation information and an opportunity to receive a conference special hotel rate.

Hotel Reservation Questions?

After April 14, call hotel directly.

Questions? Contact us at 916.441.4545, toll free 888.666.2292. Conference terms and conditions available at acwa.com in the event section.

ACWA 2017 Spring Conference & Exhibition

PRELIMINARY AGENDA

May 9-12, 2017 • Monterey, California

ACWA JPIA - MONDAY, MAY 8

8:30 – 10:00 AM

- ACWA JPIA Employee Benefits Committee

10:15 – 11:15 AM

- ACWA JPIA Executive Committee

1:30 – 4:00 PM

- ACWA JPIA Board of Directors

4:00 – 5:00 PM

- ACWA JPIA Town Hall

5:00 – 6:00 PM

- ACWA JPIA Reception

TUESDAY, MAY 9

8:00 AM – 6:00 PM

- Registration

8:30 AM – Noon

- ACWA/JPIA Seminar

10:00 – 11:45 AM

- Groundwater Committee
- Local Government Committee

11:00 AM – Noon

- Outreach Task Force

Noon – 2:00 PM

- ACWA 101 & Luncheon
- Committee Lunch Break

1:00 – 2:45 PM

- Energy Committee
- Finance Committee
- Scholarship & Awards Subcommittee
- Water Management Committee

1:30 – 3:30 PM

- ACWA/JPIA: Sexual Harassment Prevention for Board Members & Managers (AB 1825)

3:00 – 4:45 PM

- Communications Committee
- Federal Affairs Committee
- Membership Committee
- Water Quality Committee

5:00 – 6:30 PM

- Welcome Reception in the Exhibit Hall

WEDNESDAY, MAY 10

7:30 AM – 5 PM

- Registration

8:00 – 9:45 AM

- Opening Breakfast *(Ticket Required)*

9:00 AM – Noon & 1:30 – 5:00 PM

- Exhibit Hall

10:00 – 11:30 AM

- Attorneys Program
- Energy Committee Program
- Exhibitor Technical Presentations
- Finance Program
- Region Issue Forum
- Statewide Issue Forum

11:30 – 11:45 AM

- Prize Drawing in the Exhibit Hall

11:45 AM – 1:45 PM

- Luncheon *(Ticket Required)*

2:00 – 3:15 PM

- Aquatic Resources Subcommittee
- Attorneys Program
- Exhibitor Technical Presentation
- Region Program
- Statewide Issue Forum
- Water Industry Trends Program

3:30 – 4:45 PM

- Communications Committee Program
- Energy Committee Program
- Exhibitor Technical Presentation
- Finance Program
- Statewide Issue Forum
- Water Industry Trends program

4:00 – 6:00 PM

- Legal Affairs Committee

5:00 – 6:00 PM

- Exhibit Hall Hosted Reception

5:00 – 7:00 PM

- CalDesal Hosted Mixer
- CH2M Hosted Reception

THURSDAY, MAY 11

7:30 AM – 4 PM

- Registration

8:00 AM – Noon

- Exhibit Hall

8:00 – 9:15 AM

- Networking Continental Breakfast, Exhibit Hall *(Ticket Required)*

8:30 – 9:30 AM

- Ag Initiative

9:30 – 11:00 AM

- Attorneys Program
- Exhibitor Technical Presentations
- Finance Program
- Region Issue Forum
- Statewide Issue Forum
- Water Industry Trends Program

9:30 – 11:45 AM

- Ethics Training (AB 1234) - *Limited Seating*

11:00 – 11:30 AM

- Prize Drawings in the Exhibit Hall

11:45 AM – 1:45 PM

- Luncheon *(Ticket Required)*

2:00 – 3:15 PM

- Attorneys Program
- Exhibitor Technical Presentations
- Federal Issues Forum
- Statewide Issue Forum
- Water Industry Trends Programs

3:30 – 5 PM

- Regions 1 – 10
- Membership Meetings

6:00 – 7:00 PM

- New Water Professionals Reception

7:00 – 10:00 PM

- Dinner & Entertainment *(Ticket Required)*

FRIDAY, MAY 12

8:00 – 9:30 AM

- Registration

8:30 – 10:00 AM

- ACWA's Hans Doe Past Presidents' Breakfast in Partnership with ACWA JPIA *(Ticket Required)*

OTHER EVENTS

TUESDAY, MAY 9

7:00 AM – 4 PM

- ACWA Spring Conference Golf Tournament

THURSDAY, MAY 11

6:45 – 8:30 AM

- San Joaquin Valley Agricultural Water Committee

2017 LEGISLATIVE SYMPOSIUM

March 8, 2017

Sacramento Convention Center
1400 J Street, Sacramento

Consent
Item
#3

Join us for ACWA's 2017 Legislative Symposium, on March 8 at the Sacramento Convention Center.

ACWA's Legislative Symposium has been an annual Sacramento event engaging water district Directors, General Managers, attorneys, and staff from across the state with up-to-date information on critical policy issues.

*Check ACWA website for more
information at www.acwa.com*

Questions? Please contact ACWA's Member Services & Events at events@acwa.com or 916.441.4545.

*Attendance at this event by a public official will
constitute acceptance of a reportable gift.*



REGISTRATION

Online registration is
now open at
www.acwa.com

Online registration and
cancellation deadline is
February 24, 2017,
4:30 p.m. (PST).

Advantage Pricing

Regular: \$245 Onsite: \$265

Standard Pricing

Regular: \$370 Onsite: \$390

Program materials, continental
breakfast and lunch are included.

To be eligible for "Advantage" Pricing
you **MUST** be an ACWA Public Agency
member, Associate or Affiliate.



HOTEL

Hyatt Regency Sacramento
1209 L Street
Sacramento, CA
Phone: 800-223-1234

Group Rates

\$189/night + taxes & fees

The cut off date to receive
this special rate is
February 14, 2017

Make your reservations
online at:

<https://resweb.passkey.com/go/ACW5>

WANT TO BE A SPONSOR?

We are looking for
organizations to sponsor this
workshop. Your sponsorship
shows your organization's
support of ACWA and its
members while gaining
visibility among the state's
water leaders. Please contact
Paula Curie at PaulaC@acwa.com
for more information.

ACWA
Association of California Water Agencies

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1

March 7, 2017

To: Honorable President and Members of the Board of Directors

From: Thomas A. Love P.E. – General Manager

Subject: Temporary Utility Worker

CONSENT ITEM

Temporary Utility Worker – Consideration and motion to extend the use of a temporary Utility Worker for up to an additional six months.

BACKGROUND:

CVWD currently employs five full time Utility Workers who perform all the maintenance and repairs to the District's water mains, service laterals, valves and fire hydrants. In addition these crews do the locations requests from other utilities, perform some routine vehicle and plant maintenance, and dispose of spoils.

Staff has kept the Board apprised of the absence of a Utility Worker II due to work related injuries that have been ongoing over the last several months. Mr. Love previously reported that this employee returned to work from two work related injuries in 2016, but with limitations on the amount of lifting/pushing/pulling that he can perform. We were able to accommodate these restrictions for a few months in 2016. However, this employee required additional surgery for one of his injuries in June and has not been cleared to return to work as of this date

At the December 8, 2015 meeting, the Board authorized the General Manager to begin the process of hiring a temporary employee to assist our Construction crews when the time was right. We brought in a temporary Utility Worker I in September 2016 to fill the vacancy outlined above. The six month authorization will expire on March 22, 2017 and staff is requesting that the Board approve an extension of the temporary worker for an additional six month period.

RECOMMENDATION:

It is recommended that the Board of Directors authorize the General Manager to extend the use of a temporary employee, for a period not-to-exceed six months, to perform Utility Worker duties.

Prepared and submitted by:

Thomas A. Love, P.E.
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2

To: Honorable President and Members of the Board of Directors

March 3, 2017

From: Thomas A. Love, General Manager

Subject: FY 2017/18 Preliminary Water/Wastewater Budgets and 10- Year CIP

FY 2017/18 Water Budget – Discussion of preliminary FY 2017/18 Water and Wastewater Budgets and 10-year Capital Improvement Program.

BACKGROUND

The attached preliminary Water Budget for Fiscal Year 2017/18 for the Water fund has been prepared by staff. The following summarizes the year to year changes and key revenue and expense drivers for the Water Budget.

Current Year End (FY 2016/17) Projections:

1. Water sales revenue at or above budget.
2. Connection fees \$150,000 above budget.
3. Labor & benefits and operating Expenses \$240,000 under budget.
4. FMWD water purchase expense \$865,000 over budget.
5. Grant Revenue \$250,000 below budget (\$300,000 grant revenue posted to FY 2015/16).
6. 2016/17 capital outlay \$850,000 less than budget. \$660,000 carried over to FY 2017/18.
7. Net increase to reserves, \$590,000 vs. \$140,000 budgeted (includes \$1,000,000 MTBE Fund Loan).

FY 2017/18 Preliminary Budget Highlights:

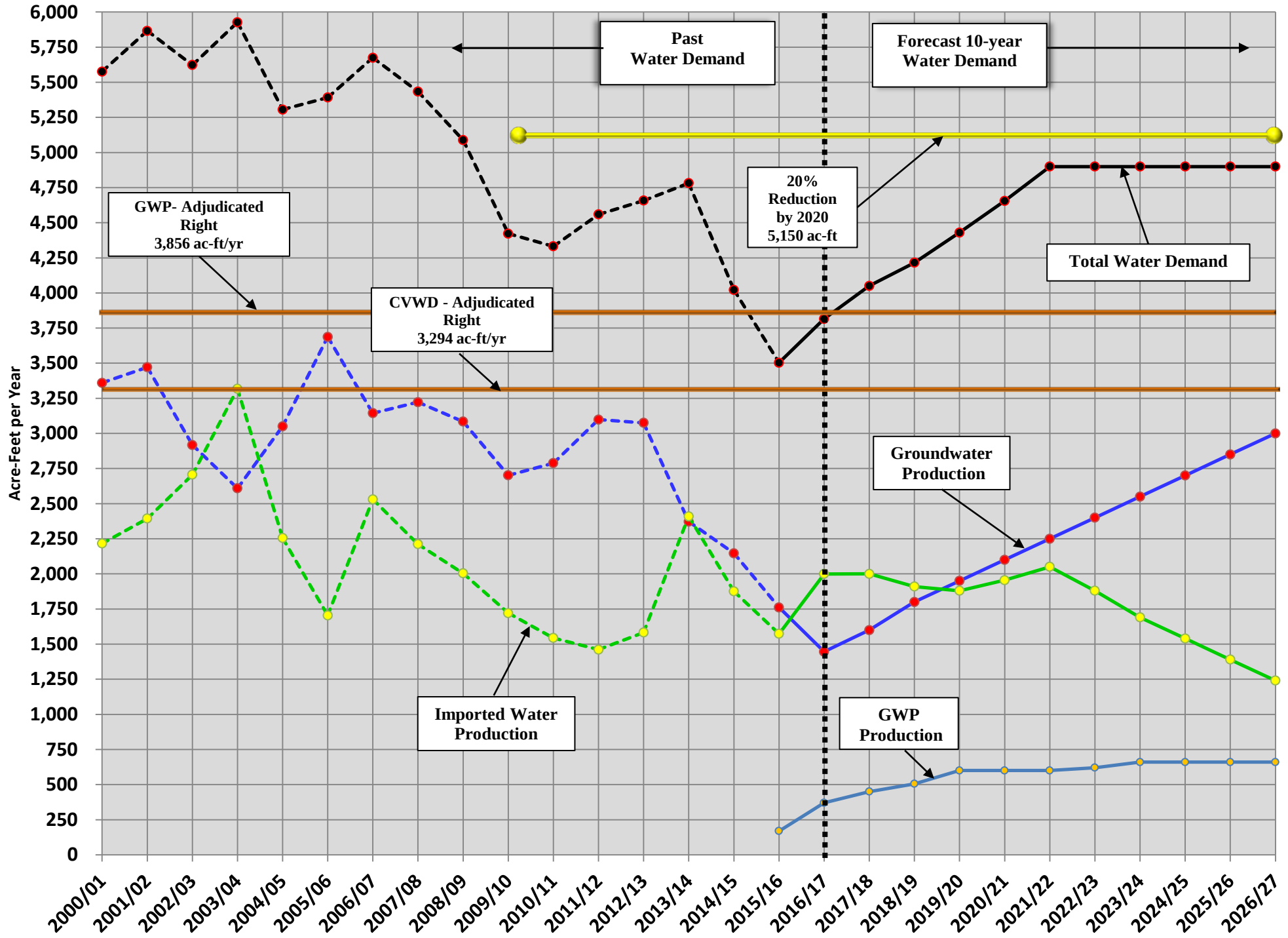
1. Projected water demands 6% higher than FY 2016/17 projected.
2. Groundwater production 13% higher than FY 2016/17 projected.
3. Labor & benefits assumptions: 2% COLA plus increases in insurance, PERS, retiree health care and other benefits.
4. O&M Expense 1% increase over prior year budget.
5. FMWD water purchase expense \$990,000 higher than prior year budget due to modified water demand and supply projections and 5% increase in FMWD cost.
6. Total Capital Outlay \$3,526,000 including prior year carryover.
7. Grant revenue of \$690,000 for Well 2 Treatment and CV Park Stormwater Capture projects.
8. Net decrease to reserves of \$1,542,000 assuming a 7.2% rate increase (7.2% rate increase for FY 2017/18 was projected in FY 2016/17 budget).

Staff is still working on the preliminary FY 2017/18 Wastewater Budget which will be presented to the Finance Committee at the March 16th meeting.

Submitted by:

Thomas A. Love
General Manager

Water Demand Projections - FY 00/01 to FY 26/27 - Update 2/17/17



Crescenta Valley Water District

Budget - FY 17/18 - Preliminary v1

Water Expense vs. Revenue Summary

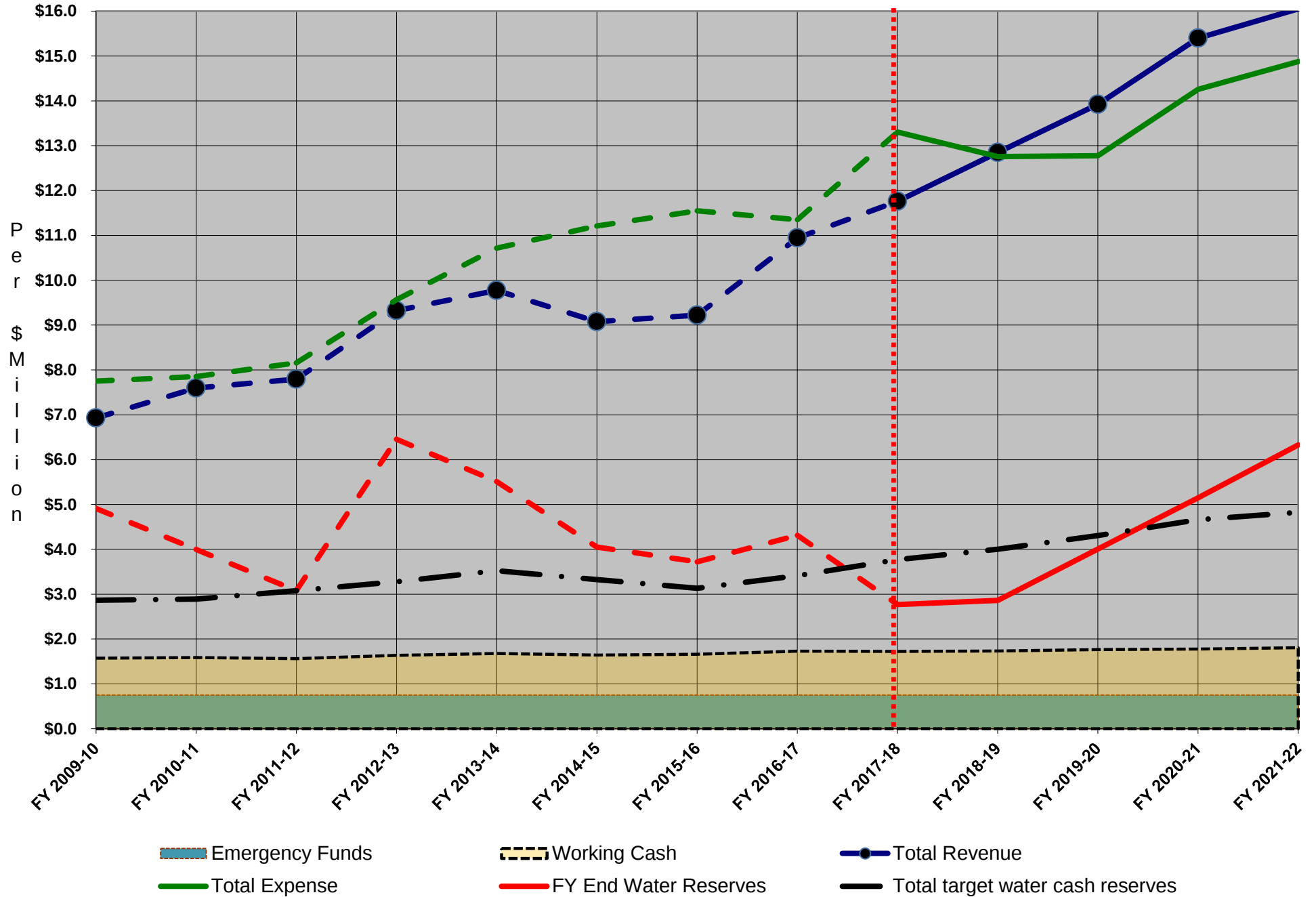


Table Water Budget WB - 1 Projected Water Customers - FY 17/18 - Draft V.01

2017-18													
2		1		1		2		3		4		5	
Water Meter Size	Recorded FY 2014-15	Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17		Budget FY 2017-18		Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22	
3/4 inch	6,921	6,919		6,926	6,917		6,917		6,920	6,923	6,926	6,929	
1 inch	814	815		818	854		894		897	900	903	906	
1-1/2 inch	145	146		147	147		149		150	151	152	153	
2 inch	64	64		65	64		67		68	69	70	71	
3 inch	28	28		29	28		28		28	28	28	28	
4 inch	2	2		2	2		2		2	2	2	2	
6 inch	0	0		0	0		0		0	0	0	0	
8 inch	0	0		0	0		0		0	0	0	0	
10 inch	0	0		0	0		0		0	0	0	0	
Total water services	7,974	7,974		7,987	8,012		8,057		8,065	8,073	8,081	8,089	
Projected No. of Account Annual Increase	5	0		13	38		45		8	8	8	8	
Projected Percent of Account Annual Increase	0.06%	0.00%		0.16%	0.48%		0.56%		0.10%	0.10%	0.10%	0.10%	

Table Water Budget - WB-2 Water Production and Costs - FY 17/18 - Draft V.01

		2	1			1	2	3	4	5
Description		Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Well Production (Verdugo Basin)		2,146	1,761	1,950	1,445	1,600	1,800	1,950	2,100	2,250
Well Production (GWP)		0	169	555	370	450	505	600	600	600
Foothill MWD Purchases ⁽⁴⁾		1,875	1,573	1,195	2,000	2,000	1,910	1,880	1,955	2,050
Total Production ⁽¹⁾⁽²⁾		4,021	3,503	3,700	3,815	4,050	4,215	4,430	4,655	4,900
Shrinkage (percent) ⁽³⁾		8%	8%	8%	8%	8%	8%	8%	8%	8%
Less Shrinkage (ac-ft)		322	280	296	305	324	337	354	372	392
Total billable consumption (sales)		3,699	3,223	3,404	3,510	3,726	3,878	4,076	4,283	4,508
FMWD Purchased Water		1,875	1,573	1,195	2,000	2,000	1,910	1,880	1,955	2,050
FMWD Unit Charge (\$/ac-ft)		\$1,461	\$1,560	\$1,757	\$1,482	\$1,542	\$1,684	\$1,693	\$1,736	\$1,784
FMWD Cost		\$ 2,742,335	\$ 2,454,524	\$2,099,400	\$2,963,900	\$3,084,100	\$3,217,300	\$3,182,800	\$3,394,700	\$3,658,000
Cost Increase/Decrease from FMWD Unit Charge		\$153	\$99	\$196	-\$78	\$60	\$142	\$9	\$43	\$48
Percent FMWD Cost Increase/Decrease		11.72%	6.80%	12.59%	-5.03%	4.06%	9.23%	0.51%	2.57%	2.76%
Well Production (GWP)		0	169	555	370	450	505	600	600	600
GWP Unit Charge (\$/ac-ft)		\$0	\$290	\$417	\$417	\$460	\$460	\$462	\$449	\$475
GWP Cost		\$ -	\$ 49,036	\$231,435	\$154,290	\$207,000	\$232,300	\$277,200	\$269,400	\$285,000

Notes:

1. All quantities are in acre-feet (ac-ft).
2. Projected Total Production for FY 17/18 at 4,050 ac-ft due to relaxation of water conservation alert.
3. Shrinkage (water loss) anticipated to be 8% as part of the continuation of the water meter replacement program
4. FMWD Cost based on FMWD's Preliminary Budget for FY 16/17 dated 6/20/16

Water Budget Table WB-3 Sources of Water Funds - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Sources of Funds - Variable Sources									
Water Sales - Consumers	\$ 6,594,471	\$ 5,952,066	\$ 6,953,000	\$ 6,998,600	\$ 8,157,000	\$ 9,121,000	\$ 10,303,000	\$ 11,580,000	\$ 12,190,000
Water Sales - Irrigation									
<i>Water Sales - CVWD</i>	\$ 4,162,173	\$ 5,952,066	\$ 6,953,000	\$ 6,998,600	\$ 8,157,000	\$ 9,121,000	\$ 10,303,000	\$ 11,580,000	\$ 12,190,000
<i>Water Sale - FMWD</i>	\$ 2,432,299		\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - Water	\$ 91,782	\$ 188,668	\$ 107,000	\$ 119,059	\$ 116,000	\$ 93,000	\$ 93,000	\$ 102,000	\$ 113,000
Gain/Loss on Sale of Investments	\$ 94,125	\$ 83,806	\$ 56,000	\$ 48,549	\$ 67,000	\$ 58,000	\$ 58,000	\$ 62,000	\$ 69,000
Fair Value Adjustment	\$ (122,475)	\$ 362,379	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - MTBE Reserve Fund	\$ 103,498		\$ 77,000	\$ 115,000	\$ 74,000	\$ 76,000	\$ 78,000	\$ 80,000	\$ 82,000
Gain/Loss on Sale of Assets (<i>deleted</i>)	\$ -								
Subtotal variable sources	\$ 6,761,401	\$ 6,586,919	\$ 7,193,000	\$ 7,281,209	\$ 8,414,000	\$ 9,348,000	\$ 10,532,000	\$ 11,824,000	\$ 12,454,000
Sources of Funds - Stable Sources									
Water Sales - Service Charge	\$ 1,828,481	\$ 1,949,220	\$ 2,247,000	\$ 2,283,849	\$ 2,434,000	\$ 2,619,000	\$ 2,819,000	\$ 3,020,000	\$ 3,025,000
Fire Service Meter Charge	\$ 33,300	\$ 36,773	\$ 38,000	\$ 64,307	\$ 48,000	\$ 49,000	\$ 53,000	\$ 53,000	\$ 57,000
Late Fees/Fire Hydrant Flow/Backflow Tests	\$ 71,455	\$ 62,897	\$ 80,000	\$ 65,733	\$ 68,733	\$ 71,733	\$ 74,733	\$ 77,733	\$ 80,733
Other Income - Water	\$ -	\$ 54,024	\$ 5,000	\$ 45,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Rental Property Income	\$ 22,200	\$ 21,263	\$ 23,000	\$ 22,950	\$ 22,950	\$ 22,950	\$ 22,950	\$ 26,000	\$ 26,000
Subtotal - Stable Sources	\$ 1,955,436	\$ 2,124,176	\$ 2,393,000	\$ 2,481,840	\$ 2,578,683	\$ 2,767,683	\$ 2,974,683	\$ 3,181,733	\$ 3,193,733
Sources of Funds - CIP Sources									
Water Systems Connect Fee	\$ 40,212	\$ 36,551	\$ 45,000	\$ 202,500	\$ 45,000	\$ 50,000	\$ 55,000	\$ 60,000	\$ 60,000
Meter Installation/Hydrant Charges	\$ 148,150	\$ 40,690	\$ 30,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 70,000	\$ 80,000	\$ 90,000
Grant Revenue	\$ 49,273	\$ 574,983	\$ 1,150,250	\$ 900,000	\$ 690,000	\$ 620,475	\$ 285,300	\$ 250,000	\$ 250,000
Glendale Capital Contribution (GWP)		\$ 214,346		\$ -	\$ -				
Gain/Loss on Sale of Assets	\$ 664	\$ 5,401	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - COP Bonds (not included in subtotal or total)	\$ 162	\$ 222	\$ 200	\$ 845	\$ 845	\$ -	\$ -	\$ -	\$ -
Subtotal CIP Sources	\$ 238,461	\$ 872,193	\$ 1,225,450	\$ 1,133,345	\$ 765,845	\$ 730,475	\$ 410,300	\$ 390,000	\$ 400,000
TOTAL SOURCE OF FUNDS	\$ 8,955,298	\$ 9,583,288	\$ 10,811,450	\$ 10,896,393	\$ 11,758,528	\$ 12,846,158	\$ 13,916,983	\$ 15,395,733	\$ 16,047,733

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft V.01

		2		1			1	2	3	4	5
Description	Account No.	Recorded FY 2014-15	Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
EXPENSE											
COMPENSATION AND BENEFITS											
Director Fees	451-99	\$ 9,225	\$ 8,370		\$ 9,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
Compensation											
Officer Salaries	441-99	\$ 150,010	\$ 163,897		\$ 170,000	\$ 165,679	\$ 172,000	\$ 171,000	\$ 172,000	\$ 174,000	\$ 176,000
Administrative Services Labor	452-98/99	\$ 332,408	\$ 349,000		\$ 366,000	\$ 359,369	\$ 363,000	\$ 371,000	\$ 376,000	\$ 382,000	\$ 385,000
Administrative Services Labor - OT		\$ 3,209	\$ 3,493		\$ 3,000	\$ 5,026	\$ 4,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Engineering Department Labor	473-98/99	\$ 291,255	\$ 279,073		\$ 298,000	\$ 342,368	\$ 328,000	\$ 301,000	\$ 308,000	\$ 313,000	\$ 317,000
Engineering Department Labor-OT		\$ 2,627	\$ 6,039		\$ 4,000	\$ 2,743	\$ 3,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000
Plant - Office Labor	447-98/99	\$ 202,521	\$ 135,448		\$ 221,000	\$ 184,619	\$ 231,000	\$ 223,000	\$ 225,000	\$ 228,000	\$ 243,000
Plant - Office Labor-OT		\$ 352	\$ 271		\$ -	\$ 705	\$ -	\$ -	\$ -	\$ -	\$ -
System Operators Labor	403-98/99	\$ 274,129	\$ 282,916		\$ 298,000	\$ 313,034	\$ 314,000	\$ 301,000	\$ 304,000	\$ 307,000	\$ 310,000
System Operators Labor-OT		\$ 24,973	\$ 16,649		\$ 22,000	\$ 14,054	\$ 15,000	\$ 22,000	\$ 22,000	\$ 23,000	\$ 23,000
Utility Workers Labor	425-98/99	\$ 325,943	\$ 346,303		\$ 345,000	\$ 363,281	\$ 366,000	\$ 356,000	\$ 364,000	\$ 374,000	\$ 398,000
Utility Workers Labor-OT		\$ 51,582	\$ 38,487		\$ 52,000	\$ 35,983	\$ 45,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Standby Pay		\$ 41,038	\$ 43,125		\$ 43,000	\$ 45,140	\$ 46,000	\$ 44,000	\$ 44,000	\$ 45,000	\$ 46,000
Auto Allowance		\$ 9,075	\$ 10,200		\$ 10,000	\$ 10,200	\$ 10,200	\$ 10,200	\$ 10,200	\$ 10,200	\$ 10,200
Labor Transfer to Capital					\$ -	\$ -	\$ -	combined with Engineering Dept. Labor			\$ -
Compensation Total		\$ 1,718,347	\$ 1,683,271		\$ 1,841,000	\$ 1,850,199	\$ 1,906,200	\$ 1,866,200	\$ 1,893,200	\$ 1,926,200	\$ 1,979,200
Sick and Vacation - Office	439-01	\$ 133,363	\$ 101,616		\$ 112,000	\$ 105,634	\$ 134,000	\$ 112,000	\$ 113,000	\$ 115,000	\$ 116,000
Sick and Vacation - Plant	439-02	\$ 88,909	\$ 67,744		\$ 74,000	\$ 70,423	\$ 90,000	\$ 74,000	\$ 76,000	\$ 77,000	\$ 77,000
Taxes - Payroll (Total Employees)	459-00	\$ 130,866	\$ 130,768		\$ 139,000	\$ 131,807	\$ 138,000	\$ 140,000	\$ 142,000	\$ 144,000	\$ 146,000
PERS Retirement (Total Employees)	469-00	\$ 274,681	\$ 275,500		\$ 315,000	\$ 296,835	\$ 341,000	\$ 342,000	\$ 367,000	\$ 392,000	\$ 404,000
Workers' Compensation - Office	487-01	\$ 13,221	\$ 19,387		\$ 21,000	\$ 20,276	\$ 17,000	\$ 18,000	\$ 16,000	\$ 13,000	\$ 13,000
Workers' Compensation - Plant	487-02	\$ 56,460	\$ 79,614		\$ 90,000	\$ 81,629	\$ 73,000	\$ 82,000	\$ 71,000	\$ 57,000	\$ 58,000
Health and Dental and Vision - Office	464-01	\$ 136,220	\$ 129,880		\$ 128,000	\$ 134,601	\$ 139,000	\$ 131,000	\$ 133,000	\$ 136,000	\$ 138,000
Life & Disability Insurance - Office & Plant		\$ 9,497	\$ 9,959		\$ 10,000	\$ 9,933	\$ 10,000	\$ 10,000	\$ 10,000	\$ 11,000	\$ 12,000
Health and Dental and Vision - Plant	464-02	\$ 140,649	\$ 132,772		\$ 140,000	\$ 132,007	\$ 147,000	\$ 142,000	\$ 145,000	\$ 148,000	\$ 150,000
Self Insurance		\$ 9,301	\$ 7,468		\$ 13,000	\$ 7,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Retiree - Health Care Expense	464-55	\$ 74,635	\$ 70,387		\$ 74,000	\$ 74,411	\$ 85,000	\$ 75,000	\$ 77,000	\$ 78,000	\$ 80,000
Benefits Total		\$ 1,067,802	\$ 1,025,201		\$ 1,116,000	\$ 1,064,556	\$ 1,187,000	\$ 1,139,000	\$ 1,163,000	\$ 1,184,000	\$ 1,207,000
TOTAL COMPENSATION AND BENEFITS		\$ 2,786,149	\$ 2,708,472		\$ 2,957,000	\$ 2,914,755	\$ 3,093,200	\$ 3,005,200	\$ 3,056,200	\$ 3,110,200	\$ 3,186,200
PLANT - WATER OPERATION											
Utilities											
Taxes - Property	404-00										
Glenwood - Plant Maintenance	405-02	\$ 12,302	\$ 12,502		\$ 13,300	\$ 12,767	\$ 13,300	\$ 13,500	\$ 13,700	\$ 13,900	\$ 14,100
Glenwood - Landscape	406-02	\$ 5,460	\$ 4,950		\$ 5,500	\$ 7,503	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500
Office Supplies & Misc Expenses - Plant		\$ 9,369	\$ 7,784		\$ 7,000	\$ 13,240	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000
Glenwood - Utilities	404-02	\$ 17,368	\$ 12,119		\$ 16,000	\$ 13,236	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Glenwood - Enterprise Communications - Move to Office	443-02	\$ 42,352	\$ -		\$ -	\$ -	\$ -	combined 01-01-5225			\$ -
Training - Plant	407-02	\$ 6,307	\$ 6,731		\$ 7,000	\$ 5,569	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,500	\$ 8,700
Education Reimbursement/Certifications	475-00	\$ 3,707	\$ 5,532		\$ 4,000	\$ 3,677	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000	\$ 5,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft V.01

		2		1			1	2	3	4	5
Description	Account No.	Recorded FY 2014-15	Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Glenwood - Safety and Security System	409-02	\$ 16,888	\$ 21,511		\$ 17,000	\$ 30,234	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 22,000
Glenwood - Uniforms	427-02	\$ 9,865	\$ 11,264		\$ 9,000	\$ 10,474	\$ 9,000	\$ 9,500	\$ 10,000	\$ 10,500	\$ 11,000
Permit & Assessment Fees	446-00	\$ 1,230	\$ 1,973		\$ 1,500	\$ 1,000	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Tools and Equipment Maintenance	455-02	\$ 14,961	\$ 14,125		\$ 16,000	\$ 14,575	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Nitrate Plant Maintenance	430-00	\$ 49,440	\$ 60,134		\$ 70,000	\$ 64,515	\$ 70,000	\$ 75,000	\$ 77,000	\$ 79,000	\$ 81,000
Inventory Disposal	409-00		\$ 1,276			\$ 338					
Inventory Shrinkage/(Overage)		\$ -	\$ 7,952			\$ -					
SCADA - Telemetry & Signal	445-00	\$ 7,687	\$ 3,619		\$ 10,000	\$ 4,095	\$ 10,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
SCADA Hardware	445-14	\$ 11,182	\$ 1,832		\$ 6,000	\$ 692	\$ 6,000	\$ 8,000	\$ 9,000	\$ 10,000	\$ 11,000
SCADA Software	445-15	\$ -	\$ 16,522		\$ 13,000	\$ -	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
SCADA - Communications	445-16	\$ 1,431	\$ 1,505		\$ 2,500	\$ 1,321	\$ 2,500	\$ 3,000	\$ 3,500	\$ 4,000	\$ 4,500
Lab & Sampling	428-00	\$ 93,575	\$ 51,649		\$ 65,000	\$ 55,811	\$ 65,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000
Chlorine & Treatment	429-00	\$ 72,859	\$ 66,968		\$ 71,000	\$ 58,701	\$ 65,000	\$ 67,000	\$ 69,000	\$ 78,000	\$ 80,000
TOTAL PLANT WATER OPERATION		\$ 421,450	\$ 326,987		\$ 356,800	\$ 316,721	\$ 355,800	\$ 371,000	\$ 384,700	\$ 403,900	\$ 415,800
DISTRIBUTION SYSTEM EXPENSES											
Backflow Expense	410-00	\$ 331	\$ 460		\$ 500	\$ 907	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Maintenance	423-00	\$ 55,643	\$ 28,705		\$ 51,000	\$ 8,607	\$ 52,000	\$ 53,000	\$ 54,000	\$ 55,000	\$ 56,000
Pipelines - Paving	423-07	\$ 19,030	\$ 22,074		\$ 20,000	\$ 20,783	\$ 20,000	\$ 21,000	\$ 22,000	\$ 23,000	\$ 24,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	423-08	\$ 9,939	\$ 17,298		\$ 13,000	\$ 13,829	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000	\$ 18,000
Pipelines - Leak Detection/Leak Repair	423-09	\$ 550	\$ 2,673		\$ 25,000	\$ 1,730	\$ 25,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 6,000
Pipelines - Trench Plate Rentals	423-10	\$ 4,373	\$ 2,008		\$ 2,500	\$ 703	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,000
Pipelines - Water Sampling Stations	423-11	\$ 1,252	\$ -		\$ 500	\$ -	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Valves	423-12	\$ -	\$ 1,750		\$ 4,000	\$ -	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000	\$ 9,000
Reservoir - Maintenance	424-00	\$ 73,564	\$ 58,220		\$ 80,000	\$ 217,152	\$ 80,000	\$ 77,000	\$ 80,000	\$ 83,000	\$ 86,000
Reservoir - Landscape	424-06	\$ 14,752	\$ 25,600		\$ 17,000	\$ 12,994	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000	\$ 21,000
Meters - Maintenance	425-00	\$ 265,372	\$ 277,558		\$ 250,000	\$ 141,240	\$ 250,000	\$ 225,000	\$ 185,000	\$ 185,000	\$ 185,000
Meters - Paving	425-07	\$ 186,142	\$ 254,427		\$ 230,000	\$ 170,273	\$ 230,000	\$ 230,000	\$ 235,000	\$ 240,000	\$ 240,000
Meters - Repair/Replacement/Upgrade	425-08	\$ 4,823	\$ 731		\$ 10,000	\$ 851	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Meters - Lateral Leaks	425-09	\$ 58,875	\$ 45,285		\$ 76,000	\$ 38,643	\$ 65,000	\$ 65,000	\$ 66,000	\$ 67,000	\$ 68,000
Meters - Trench Plate Rentals	425-10	\$ 3,420	\$ 1,855		\$ 2,000	\$ 10,993	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Meters - D-jobs		\$ 101,219	\$ 12,286		\$ 8,000	\$ 36,126	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 10,000
Wells - Maintenance	432-00	\$ 54,389	\$ 5,688		\$ 45,000	\$ 72,855	\$ 45,000	\$ 33,000	\$ 37,000	\$ 41,000	\$ 44,000
Wells - Landscape	432-06	\$ 3,360	\$ 7,832		\$ 5,000	\$ 3,017	\$ 5,000	\$ 5,000	\$ 6,000	\$ 6,000	\$ 6,000
Wells - Rent	432-07	\$ 300	\$ 300		\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300
GWP - Land Lease			\$ 15,036			\$ 15,036	\$ 15,726	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000
Booster Pump - Maintenance	433-00	\$ 18,453	\$ 54,365		\$ 57,000	\$ 97,932	\$ 57,000	\$ 63,000	\$ 72,000	\$ 77,000	\$ 82,000
Emergency Generators	434-00	\$ 21,348	\$ 15,154		\$ 22,500	\$ 15,271	\$ 22,500	\$ 23,000	\$ 23,500	\$ 24,000	\$ 24,500
Auto/Truck - Maintenance	426-00	\$ 72,212	\$ 68,051		\$ 55,000	\$ 70,009	\$ 65,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 72,000
Auto/Truck - Gas	426-15	\$ 21,008	\$ 14,955		\$ 20,000	\$ 15,340	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 22,000
Auto/Truck - Diesel	426-16	\$ 18,566	\$ 15,055		\$ 18,000	\$ 14,655	\$ 18,500	\$ 19,000	\$ 19,500	\$ 20,000	\$ 20,500
TOTAL DISTRIBUTION SYSTEM EXPENSES		\$ 1,008,921	\$ 947,366		\$ 1,012,300	\$ 979,246	\$ 1,038,526	\$ 993,300	\$ 985,800	\$ 1,012,300	\$ 1,033,300

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft V.01

		2		1			1	2	3	4	5
Description	Account No.	Recorded FY 2014-15	Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
GENERAL AND ADMINISTRATIVE EXPENSES			-								
General Liability Insurance	472-00	\$ 44,131	\$ 50,444		\$ 56,000	\$ 52,925	\$ 53,000	\$ 56,000	\$ 59,000	\$ 62,000	\$ 65,000
Accounting - Audit	458-00	\$ 11,515	\$ 10,940		\$ 13,000	\$ 12,000	\$ 11,000	\$ 11,000	\$ 12,000	\$ 12,500	\$ 13,000
Legal Consulting Fees	457-00	\$ 85,614	\$ 75,684		\$ 47,000	\$ 46,350	\$ 49,000	\$ 51,000	\$ 53,000	\$ 55,000	\$ 57,000
Administrative Consultants	470-00	\$ 73,932	\$ 81,820		\$ 130,000	\$ 49,094	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 100,000
Election Expense	460-00	\$ -	\$ 41		\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ 50,000	\$ -
Office Maintenance	405-01	\$ 9,652	\$ 9,263		\$ 12,000	\$ 12,981	\$ 12,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Landscape Maintenance - Office	406-01	\$ 6,631	\$ 4,541		\$ 7,500	\$ 5,759	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500
Office Supplies & Misc Expenses - Office	455-01	\$ 5,041	\$ 5,287		\$ 5,500	\$ 4,364	\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500
Computers & Network (previously Computer Hardware)	453-01	\$ 24,719	\$ 23,480		\$ 25,000	\$ 20,997	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Computer Software, Maintenance, Licenses		\$ 19,353	\$ 65,578		\$ 50,000	\$ 33,176	\$ 53,000	\$ 53,000	\$ 54,000	\$ 55,000	\$ 56,000
Utilities - Office	404-01	\$ 19,978	\$ 21,381		\$ 21,000	\$ 19,068	\$ 21,000	\$ 21,500	\$ 22,000	\$ 22,500	\$ 23,000
Enterprise Voice Communications	443-01	\$ 25,463	\$ 40,395		\$ 40,000	\$ 42,382	\$ 40,000	\$ 41,000	\$ 42,000	\$ 43,000	\$ 44,000
Data Communications - Fiber Lines/Internet		\$ -	\$ 47,963		\$ 49,000	\$ 50,023	\$ 49,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Wireless Voice & Data Communications-cell	444-01	\$ 5,670	\$ 13,802		\$ 14,000	\$ 15,841	\$ 14,000	\$ 15,000	\$ 15,500	\$ 16,000	\$ 16,500
Printing, Postage, Stationery, Copier Maint.	456-01	\$ 43,423	\$ 40,413		\$ 37,500	\$ 35,937	\$ 36,000	\$ 36,500	\$ 37,000	\$ 38,000	\$ 39,000
Uncollectible Accounts-Water	463-00	\$ 9,312	\$ 4,503		\$ 3,500	\$ 3,926	\$ 4,000	\$ 3,500	\$ 4,500	\$ 4,000	\$ 4,500
Water System Fees (DHS, RWQCB, LAFCO, Misc)	465-00	\$ 46,503	\$ 49,690		\$ 50,000	\$ 37,308	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Engineering Department	473-00	\$ 10,660	\$ 10,012		\$ 11,000	\$ 10,291	\$ 11,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Water Conservation	481-00	\$ 22,848	\$ 31,855		\$ 30,000	\$ 18,898	\$ 30,000	\$ 31,000	\$ 32,000	\$ 33,000	\$ 34,000
Pipeline/Advertising - Water Conservation	481-30	\$ 1,309	\$ 2,733		\$ 2,500	\$ 2,124	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Turf Rebates - Water Conservation	481-31	\$ 109,470	\$ 33,450		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Device Rebates - Water Conservation	481-33	\$ 3,775	\$ 1,820		\$ 5,000	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Community Outreach		\$ 534	\$ 7,745		\$ 12,000	\$ 4,234	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 12,000
Training - Office	407-01	\$ 3,271	\$ 3,189		\$ 3,500	\$ 3,178	\$ 4,000	\$ 4,500	\$ 5,000	\$ 5,500	\$ 6,000
Conferences and Seminars - Office	408-01	\$ 7,518	\$ 7,377		\$ 9,000	\$ 7,846	\$ 9,000	\$ 10,000	\$ 11,000	\$ 12,000	\$ 13,000
Board of Directors - Conferences and Seminars	408-05	\$ 2,265	\$ 7,179		\$ 5,000	\$ 2,285	\$ 5,000	\$ 5,000	\$ 5,500	\$ 6,000	\$ 6,500
Misc Administration - Office	461-01	\$ 5,292	\$ 3,662		\$ 5,000	\$ 6,271	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Board of Directors - Misc Administration	461-05	\$ 1,758	\$ 1,158		\$ 2,000	\$ 2,208	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Membership Renewals/Subscriptions		\$ 22,893	\$ 19,708		\$ 22,000	\$ 30,339	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Bank Charges	485-00	\$ 14,971	\$ 20,271		\$ 21,500	\$ 22,409	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ 27,000
Rental Property		\$ 2,314	\$ 1,689		\$ 2,500	\$ 8,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES		\$ 667,780	\$ 697,387		\$ 692,000	\$ 560,213	\$ 694,000	\$ 756,000	\$ 732,000	\$ 801,500	\$ 744,500
Emergency Operations	7	\$ -	\$ 276		\$ 2,000	\$ -	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000
EMERGENCY OPERATIONS		\$ -	\$ 276		\$ 2,000	\$ -	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000
TOTAL EXPENSE		\$ 4,884,300	\$ 4,680,487		\$ 5,020,100	\$ 4,770,935	\$ 5,183,526	\$ 5,127,500	\$ 5,161,700	\$ 5,330,900	\$ 5,382,800
Total O & M Expense (w/o Labor & Benefits)		\$ 2,098,151	\$ 1,972,016		\$ 2,063,100	\$ 1,856,180	\$ 2,090,326	\$ 2,122,300	\$ 2,105,500	\$ 2,220,700	\$ 2,196,600

Water Budget Table WB-5 Water - Purchase Water & Power - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Purchased Water - FWMD (ac-ft)	1,875	1,573	1,195	2,000	2,000	1,910	1,880	1,955	2,050
Projected FMWD Cost	\$ 2,741,033	\$ 2,454,591	\$ 2,099,400	\$ 2,963,900	\$ 3,084,100	\$ 3,217,300	\$ 3,182,800	\$ 3,394,700	\$ 3,658,000
Purchased Water - GWP (ac-ft)	0	169	555	370	450	505	600	600	600
Projected GWP Cost	\$ -	\$ 49,036	\$ 231,435	\$ 154,290	\$ 207,000	\$ 232,300	\$ 277,200	\$ 269,400	\$ 285,000
Purchased Power Cost	\$ 682,044	\$ 673,699	\$ 695,000	\$ 692,316	\$ 692,000	\$ 714,000	\$ 735,000	\$ 757,000	\$ 776,000
SCE	\$ 296,387	\$ 268,287	\$ 265,000	\$ 266,834	\$ 266,834	\$ 274,839	\$ 283,084	\$ 291,577	\$ 298,866
Glendale	\$ 388,734	\$ 405,648	\$ 430,000	\$ 426,334	\$ 426,334	\$ 439,124	\$ 452,297	\$ 465,866	\$ 477,513
Constellation Credit	\$ (3,077)	\$ (235)	\$ (500)	\$ (852)	\$ (852)	\$ -	\$ -	\$ -	\$ -
% Increase/Decrease - Import Water Cost	-13.0%	-10.5%	-13.0%	18.6%	4.1%	4.3%	-1.1%	6.7%	7.8%
% Increase/Decrease - Power Cost	1.4%	-1.2%	3.1%	2.7%	0.0%	3.0%	3.0%	3.0%	2.5%
Power cost/ac-ft	\$170	\$192	\$188	\$181	\$171	\$169	\$166	\$163	\$158

Water Budget Table WB - 6 Water Capital Outlay & Equipment - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Spring Brook Software - Fixed Assets			\$ 11,250		\$ 11,250				
Spring Brook Software - Payroll Module						\$ 18,750			
Spring Brook Software - Work Order Module							\$ 26,250		
Spring Brook Software - Project Management Module								\$ 15,000	
Spring Brook Software - Extend Budget Module									\$ 15,000
Software (Document/Billing Process Design)									
Upgrade SCADA Equipment (SCADA 1A & 1B)									
Upgrade Computer Hardware & Security			\$ 30,000	\$ 4,261	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 20,000
Main Office - Master Plan			\$ 15,000		\$ 15,000				
Main Office - Upgrades			\$ 20,000			\$ -	\$ -	\$ 15,000	\$ 15,000
Misc.			\$ 3,750		\$ 3,750	\$ 6,250	\$ 4,750	\$ 5,000	\$ 5,000
CO Total	\$ -	\$ -	\$ 80,000	\$ 4,261	\$ 60,000	\$ 55,000	\$ 61,000	\$ 65,000	\$ 55,000
Capital - Equipment									
Water Quality - 5 Chlorine Analyzers									
Pipe Tool	\$ 7,721								
Portable Light Tower				\$ 8,077					
Vehicle Replacement - Unit 5									
Vehicle Replacement - Unit 7									
Vehicle Replacement - Unit 12									
Vehicle Replacement - Unit 46	\$ 90,546								
Vehicle Replacement - Unit 47	\$ 51,975								
Vehicle Replacement - Unit 48		\$ 26,180							
Vehicle Replacement - Unit 1			\$ 30,000	\$ 30,000					
Vehicle Replacement - Unit X					\$ 32,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
CE Total	\$ 150,242	\$ 26,180	\$ 30,000	\$ 38,077	\$ 32,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
CO & CE - Total	\$ 150,242	\$ 26,180	\$ 110,000	\$ 42,338	\$ 92,000	\$ 130,000	\$ 136,000	\$ 140,000	\$ 130,000

Water Budget Table WB -7 Water - Capital Improvement Projects - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Water Supply	\$ 545,588	\$ 1,644,306	\$ 840,000	\$ 496,000	\$ 1,184,000	\$ 805,000	\$ 600,000	\$ 500,000	\$ 500,000
Water Storage	\$ 172,335		\$ 320,000	\$ -	\$ 680,000	\$ 320,000	\$ 400,000	\$ 400,000	\$ 400,000
Water Distribution	\$ 1,143,405	\$ 819,708	\$ 1,365,000	\$ 1,382,900	\$ 1,365,000	\$ 1,395,000	\$ 1,245,000	\$ 1,350,000	\$ 1,550,000
Water Treatment	\$ -	\$ 380,203	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000
Technology	\$ 25,524	\$ 96,879	\$ 200,000	\$ 55,000	\$ 30,000	\$ 30,000	\$ 200,000	\$ 450,000	\$ 380,000
Public Safety/Emergency Response	\$ 93,754		\$ 75,000	\$ 79,300	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -
Facilities & Planning	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 275,000
Total CIP	\$ 1,980,606	\$ 2,941,096	\$ 2,800,000	\$ 2,013,200	\$ 3,334,000	\$ 2,625,000	\$ 2,570,000	\$ 2,900,000	\$ 3,180,000

Water Budget Table WB - 8 Water Reserve Targets - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Rate stabilization (a)	\$ 1,649,000	\$ 1,488,000	\$ 1,565,000	\$ 1,750,000	\$ 2,039,000	\$ 2,280,000	\$ 2,576,000	\$ 2,895,000	\$ 3,048,000
Emergency fund (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
Labor & benefits	\$ 2,786,149	\$ 2,708,472	\$ 2,957,000	\$ 2,914,755	\$ 3,093,200	\$ 3,005,200	\$ 3,056,200	\$ 3,110,200	\$ 3,186,200
Power	\$ 682,044	\$ 673,699	\$ 695,000	\$ 692,316	\$ 692,000	\$ 714,000	\$ 735,000	\$ 757,000	\$ 776,000
Operating expenses	\$ 2,098,151	\$ 1,972,016	\$ 2,072,600	\$ 1,856,180	\$ 2,090,326	\$ 2,122,300	\$ 2,105,500	\$ 2,220,700	\$ 2,196,600
O & M Costs	\$ 5,566,344	\$ 5,354,187	\$ 5,724,600	\$ 5,463,251	\$ 5,875,526	\$ 5,841,500	\$ 5,896,700	\$ 6,087,900	\$ 6,158,800
Funded Future OPEB Liability									
Working cash (c)	\$ 927,724	\$ 892,364	\$ 954,100	\$ 910,542	\$ 979,254	\$ 973,583	\$ 982,783	\$ 1,014,650	\$ 1,026,467
Total target cash reserves	\$ 3,327,000	\$ 3,130,000	\$ 3,269,000	\$ 3,411,000	\$ 3,768,000	\$ 4,004,000	\$ 4,309,000	\$ 4,660,000	\$ 4,824,000

Note:

- a. Rate stabilization reserves are based on 25 percent of total water commodity sales
- b. Emergency reserves equal \$750,000.
- c. Working cash is based on two months of O&M less purchased water

Water Budget Table WB - 8A MTBE Fund Reserve - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
MTBE - Income									
MTBE Settlement	\$ -	\$ 6,390	\$ -	\$ 24,010	\$ -	\$ -	\$ -	\$ -	\$ -
Repayment from CVWD General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000
MTBE - Income from Sale of Investments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Income	\$ -	\$ 6,390	\$ -	\$ 24,010	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000
MTBE - Expense									
Transfer to CVWD General Fund	\$ -	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
Lab Expense	\$ 43,798	\$ 27,156	\$ 35,000	\$ 22,986	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 25,000
Labor Expense	\$ -	\$ -	\$ 8,000	\$ -	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 6,000
Administrative Consultant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -
Total Expense	\$ 43,798	\$ 2,027,156	\$ 1,043,000	\$ 1,022,986	\$ 43,000	\$ 43,000	\$ 43,000	\$ 118,000	\$ 31,000
Increase (Decrease) to Fund	\$ (43,798)	\$ (2,020,766)	\$ (1,043,000)	\$ (998,976)	\$ (43,000)	\$ (43,000)	\$ (43,000)	\$ 632,000	\$ 719,000
MTBE Reserve Fund									
FY Begin Available MTBE Reserve Funds	\$ 8,880,019	\$ 8,836,221	\$ 6,815,455	\$ 6,815,455	\$ 5,816,479	\$ 5,773,479	\$ 5,730,479	\$ 5,687,479	\$ 6,319,479
FY End Available MTBE Reserve Funds	\$ 8,836,221	\$ 6,815,455	\$ 5,772,455	\$ 5,816,479	\$ 5,773,479	\$ 5,730,479	\$ 5,687,479	\$ 6,319,479	\$ 7,038,479

Note:

a. Interest Income based on 1% annual rate of return on investment

Water Budget Table WB-9 - Total Sources - FY 17/18 - Draft V.01

	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
REVENUE									
Service Readiness Charge Revenue	\$ 1,828,481	\$ 1,949,220	\$ 2,247,000	\$ 2,283,849	\$ 2,434,000	\$ 2,619,000	\$ 2,819,000	\$ 3,020,000	\$ 3,025,000
Metered sales of water (CVWD Costs)	\$ 4,162,173	\$ 5,952,066	\$ 6,953,000	\$ 6,998,600	\$ 8,157,000	\$ 9,121,000	\$ 10,303,000	\$ 11,580,000	\$ 12,190,000
Required metered sales of water (FMWD Costs)	\$ 2,432,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income - Water Reserves	\$ 91,782	\$ 188,668	\$ 163,000	\$ 167,609	\$ 183,000	\$ 151,000	\$ 151,000	\$ 164,000	\$ 182,000
Interest Income - MTBE Reserves	\$ 103,000	\$ -	\$ 77,000	\$ 115,000	\$ 74,000	\$ 76,000	\$ 78,000	\$ 80,000	\$ 82,000
Source of Funds - Other Sources	\$ 221,080	\$ 258,763	\$ 146,000	\$ 242,990	\$ 149,683	\$ 153,683	\$ 160,683	\$ 166,733	\$ 173,733
Sources of Funds - CIP Sources	\$ 238,461	\$ 872,193	\$ 1,225,450	\$ 1,133,345	\$ 765,845	\$ 730,475	\$ 410,300	\$ 390,000	\$ 400,000
Transfer from MTBE Fund for PERS Side Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from Wastewater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drought Surcharge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL REVENUE	\$ 9,077,276	\$ 9,220,909	\$ 10,811,450	\$ 10,941,393	\$ 11,763,528	\$ 12,851,158	\$ 13,921,983	\$ 15,400,733	\$ 16,052,733
OPERATIONS & MAINTENANCE (O & M) EXPENSE									
Labor & Benefits	\$ 2,786,149	\$ 2,708,472	\$ 2,957,000	\$ 2,914,755	\$ 3,093,200	\$ 3,005,200	\$ 3,056,200	\$ 3,110,200	\$ 3,186,200
Purchased Water (FMWD)	\$ 2,741,033	\$ 2,454,591	\$ 2,099,000	\$ 2,963,900	\$ 3,084,000	\$ 3,217,000	\$ 3,183,000	\$ 3,395,000	\$ 3,658,000
Purchased Water (GWP)	\$ -	\$ -	\$ 231,000	\$ 154,290	\$ 207,000	\$ 232,000	\$ 277,000	\$ 269,000	\$ 285,000
Power	\$ 682,044	\$ 673,699	\$ 695,000	\$ 692,316	\$ 692,000	\$ 714,000	\$ 735,000	\$ 757,000	\$ 776,000
Operating expenses	\$ 2,098,151	\$ 1,972,016	\$ 2,063,100	\$ 1,856,180	\$ 2,090,326	\$ 2,122,300	\$ 2,105,500	\$ 2,220,700	\$ 2,196,600
Total O & M Expense	\$ 8,307,377	\$ 7,808,777	\$ 8,045,100	\$ 8,581,441	\$ 9,166,526	\$ 9,290,500	\$ 9,356,700	\$ 9,751,900	\$ 10,101,800
Debt Service (principal & interest)	\$ 612,454	\$ 613,022	\$ 614,000	\$ 614,038	\$ 613,838	\$ 613,238	\$ 612,238	\$ 615,481	\$ 613,106
Total O & M Expense + Debt Service	\$ 8,919,831	\$ 8,421,799	\$ 8,659,100	\$ 9,195,479	\$ 9,780,364	\$ 9,903,738	\$ 9,968,938	\$ 10,367,381	\$ 10,714,906
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	\$ 157,445	\$ 799,110	\$ 2,152,350	\$ 1,745,915	\$ 1,983,165	\$ 2,947,421	\$ 3,953,046	\$ 5,033,352	\$ 5,337,827
CAPITAL OUTLAY, LIABILITIES and CAPITAL PROJECTS									
Capital Outlay & Equipment	\$ 150,242	\$ 26,180	\$ 110,000	\$ 42,338	\$ 92,000	\$ 130,000	\$ 136,000	\$ 140,000	\$ 130,000
Re-Payment to MTBE Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000
Future Liability (OPEB)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Capital Improvements (pay-as-you-go)	\$ 1,981,000	\$ 2,941,000	\$ 2,800,000	\$ 2,013,200	\$ 3,334,000	\$ 2,625,000	\$ 2,570,000	\$ 2,900,000	\$ 3,180,000
Total - Capital Outlay, CIP, CIP Fund & Future Liability	\$ 2,291,609	\$ 3,127,547	\$ 3,010,000	\$ 2,155,538	\$ 3,526,000	\$ 2,855,000	\$ 2,806,000	\$ 3,890,000	\$ 4,160,000
INCREASE (DECREASE) TO CASH	\$ (2,134,165)	\$ (2,328,437)	\$ (857,650)	\$ (409,623)	\$ (1,542,836)	\$ 92,421	\$ 1,147,046	\$ 1,143,352	\$ 1,177,827
FY begin available Water Reserves	\$ 5,512,136	\$ 4,048,384	\$ 3,719,947	\$ 3,719,947	\$ 4,310,324	\$ 2,767,488	\$ 2,859,909	\$ 4,006,954	\$ 5,150,306
Transfer In from MTBE Reserves		\$ 2,000,000	\$ 1,000,000	\$ 1,000,000					
FY End Water Reserves	\$ 3,377,971	\$ 3,719,947	\$ 3,862,298	\$ 4,310,324	\$ 2,767,488	\$ 2,859,909	\$ 4,006,954	\$ 5,150,306	\$ 6,328,133
Reconciliation	\$ 670,413		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY End Water Reserves	\$ 4,048,384	\$ 3,719,947	\$ 3,862,298	\$ 4,310,324	\$ 2,767,488	\$ 2,859,909	\$ 4,006,954	\$ 5,150,306	\$ 6,328,133
TOTAL TARGET WATER CASH RESERVES	\$ 3,327,000	\$ 3,130,000	\$ 3,269,000	\$ 3,411,000	\$ 3,768,000	\$ 4,004,000	\$ 4,309,000	\$ 4,660,000	\$ 4,824,000
Above or (below) Target Reserves	\$ 721,384	\$ 589,947	\$ 593,298	\$ 899,324	\$ (1,000,512)	\$ (1,144,091)	\$ (302,046)	\$ 490,306	\$ 1,504,133
Effective date of water rates	7/1/14	7/1/15	7/1/16	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20	7/1/21
Projected Rate Increase for Service Charge	5.8%	5.7%	7.5%	7.5%	7.2%	7.4%	7.5%	7.0%	0.0%
Service rates (\$/month for 3/4" meter)	\$18.10	\$19.10	\$20.53	\$20.53	\$22.00	\$23.60	\$25.40	\$27.20	\$27.20
Projected Rate Increase for Quantity Charge	5.8%	5.7%	5.2%	5.2%	7.2%	7.4%	7.5%	7.0%	0.0%
Quantity Charge: (\$/kgal)	\$5.64	\$5.96	\$6.27	\$6.27	\$6.72	\$7.22	\$7.76	\$8.30	\$8.30
FMWD Quantity Charge: (\$/kgal)	\$2.03								
CVWD Quantity Charge: (\$/kgal)	\$3.61	\$5.96	\$ 6.27	\$6.27	\$6.72	\$7.22	\$7.76	\$8.30	\$8.30

Legend

Blue - Recorded Revenues & Expenses

Brown - Previous Year Budget & Projected End of Year

Black - Budget Revenues & Expenses

Green - Forcast Revenues & Expenses

California's wet weather has some believing the drought is over

• BY [EMILY SHAPIRO](#)

Feb 22, 2017, 5:22 AM ET

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A statewide downpour brought chaos to Californians this week, but it also provided some welcome relief to the state's 20 million residents who have suffered from [drought](#) conditions for more than four years.

The record precipitation now has some experts declaring the drought over.

The beginning

The drought began in 2012, but California Gov. [Jerry Brown](#) did not declare a drought state of emergency until January 2014. A response team was later established, and state lawmakers have allocated over \$3 billion for drought relief and water management improvements.

The U.S. Geological Survey said 2014 was the warmest year on record for California.

According to Park Williams, a climate scientist and an assistant professor at Columbia University's Lamont-Doherty Earth Observatory, the drought was exacerbated by high temperatures.

"These last five years in California were much warmer than you'd expect just based on the drought alone, and the reason is because the globe's overall temperature has been warming," he told ABC News. "California's relationship with water is one where they either have too much or too little. So California goes through swings very rapidly. That's what made this drought in California so rare ... [it's] very rare to get five dry years in a row."

He added, "[Global warming](#) did not cause this drought but nevertheless had a measuring amplifying effect."

Record rain this week

Flooding warnings were in effect Tuesday in Northern and Central California after storms wreaked havoc on the Golden State last weekend.

In Modesto, police went door to door evacuating residents as floodwaters rose. In San Jose, firefighters jumped on inflatable rafts to rescue two people trapped by a roaring river.

More than 2 inches of rain were recorded at the San Francisco International Airport on Monday. Since October, San Francisco has seen 25.6 inches of rain — nearly 2 inches more than the city usually gets in an entire year.

This [extreme weather](#) in Northern California came after powerful rain moved its way up the California coast; the rain first pounded San Diego and Los Angeles, stranding drivers in their cars and contributing to the deaths of at least five people.

The latest drought outlook from the National Weather Service Climate Prediction Center "shows drought in Southern California likely to resolve and drought in the Central Coast region of California as persistent but improving."

After this incredibly wet winter, Williams said, he considers the drought over; trees that survived the drought will likely begin recovering, and lakes are near capacity, he explained.

Michael Dettinger, a U.S. Geological Survey hydrologist and a researcher at the University of California at San Diego's Scripps Institution of Oceanography, agrees with Williams' assessment.

"I believe that the drought is over at this point," he told ABC News. "If groundwater levels were lower than they should be because of the drought, then we wouldn't need to say it's over. But groundwater levels are down because of overpumping that's been going on ... for 50 to 70 years. To me, that's not drought — that's just a long-term imbalance of how we use water."

David Feldman, a UC Irvine professor of planning, policy and design, said he won't know if the drought is over until May, when the state's rainy season ends.

"If I were regulator working for the state water board, I'd probably lean on the conservative side," he said.

He added, "Things can dry out quickly. You can have a warm spell. You can have a warm period that melts snowpack in the [Sierra Nevada]. I think in May they'll have a good sense of if we can declare this thing over."

The impact

Williams considers groundwater pumping — pulling water out of the ground, much of it by farmers so their crops can grow in dry conditions — a major issue in droughts.

Groundwater is "essentially taking away from future water reserves to survive this current drought," he said.

"If we take groundwater out of the ground and we don't put water back in to replace it, then that is an unsustainable approach to the use of a very valuable resource," Williams said. "As we continue to reduce drought effects by pulling water out of the ground, we're [stealing](#) from the

future. And so without prescribing any recommendation, I will say that the California government is beginning to try to regulate groundwater use ... The point of doing that is to try to find a more sustainable approach to using that valuable resource."

Dettinger said groundwater was originally treated as a local issue. Now state lawmakers are enacting laws to improve how groundwater is monitored and managed.

"That's I think one of the biggest things that came out of the drought, and it's a good thing. The other big thing that came out of the drought is water use restrictions and efficiency requirements were instituted," he said. "If we use less water, there will be more flexibility to carry us through droughts."

Sobering statistics

California's water comes from three main sources: snowpack, reservoirs and aquifers, according to the Environmental Protection Agency. Californians use an estimated 108 gallons of water per person on average every day, the EPA said.

Since 2012, the Golden State has endured not only record high temperatures but also record low levels of snowpack and precipitation, according to CaliforniaDrought.org, a project of the Pacific Institute, a nonprofit that researches solutions to freshwater issues, in Oakland.

A snowboarder threads his way through patches of dirt at Squaw Valley Ski Resort, March 21, 2015 in Olympic Valley, Calif. The drought has hit rural communities harder than urban and suburban communities, which are better able to diversify their water sources, according to the Public Policy Institute of California.

Most farming relies on irrigation, which accounts for approximately 80 percent of California's human water use, according to the Public Policy Institute of California. In 2015 farmers had about 50 percent less surface water because of the drought; they pumped more groundwater to make up the difference but still had 10 percent less water than usual, and farm sector losses reached nearly \$2 billion, according to the institute.

Drought can be noxious to the environment. Wildfires could become more prevalent, and as many as 18 fish species could become extinct if the current drought continues, the Public Policy Institute of California said.

What the future holds

Brown has issued a series of executive orders to help the state cope with the drought, the most recent mandating "continued, long-term water savings as drought persists."

Nancy Vogel of the California Natural Resources Agency told ABC News that the governor will consider many factors when he revisits the emergency statewide drought declaration in coming weeks — including groundwater, snow pack and reservoir levels.

This winter's rain "doesn't come all the time," Dettinger said. "The worst thing we can do is forget about droughts just because it's wet right now."

He added, "Going forward, we definitely want to get a handle on the groundwater use because that is the piece that a winter like this can't even fix. We're going to have to fix it on our end by monitoring how much water we take. I would like to see them stop being called drought restrictions and call them sustainability restrictions."

Feldman said it's important to prepare for a drought before one is declared. He recommends that the U.S. follow Australia's example by harvesting rainwater and recycling wastewater.

Most of all, he urged Americans not to take the nation's water for granted.

"Droughts are not just limited to California and the Southwest," Feldman said. "Other areas of the U.S. have been through periods of water stress and drought from time to time. We want to do everything we can ... to protect our water, to conserve it ... to recycle it if we can, just to treat it more wisely than we have in the past."

ABC News' Morgan Korn, Jeff Costello, Lindsey Jacobson, Max Golembo and Melissa Griffin contributed to this report.

Out West, the snow is so deep that scientists don't have any tools to measure it

USA TODAY NETWORK

Benjamin Spillman, Reno (Nev.) Gazette-Journal

Published 1:12 a.m. ET March 2, 2017 | Updated 5 hours ago



(Photo: Benjamin Spillman/RGJ)

RENO, Nev. — One sure sign the Sierra Nevada is experiencing a historic winter is the snowpack is getting too deep for devices scientists use to measure it (<http://on.rgj.com/2masV7c>).

It's a problem that cropped up Wednesday when researchers sought to confirm snow depth at a data site on Slide Mountain at Mount Rose Ski Tahoe near Reno.

"We're not even close," hydrologist Jeff Anderson said after jamming an aluminum tube more than 16 feet into the snowpack hoping to reach the ground below.

The snow-measuring snafu provided real life confirmation of what scientific instruments on the site already showed.

New aerial images of Oroville spillway show extent of damage

(<http://www.usatoday.com/story/news/nation-now/2017/02/28/oroville-dam-spillway-damage/98528880/>)

The Sierra Nevada is wrapping up a historic winter and that's huge news for Nevada and California, states that have spent the past several years parched in drought.

"Who would have thought this two years ago when we were measuring the worst snowpack on record," Anderson said.

The snowpack is 212 inches deep at the Slide Mountain SNOTEL site. Water content at the site was 74.6 inches, meaning there's more than six feet of water in the 17-foot snowpack. It's a record for March 1 at the site.

The previous record for March 1 snow water equivalent at the site was a little more than five feet in 1997. The overall site record was more than seven feet of snow water equivalent in May 1995.

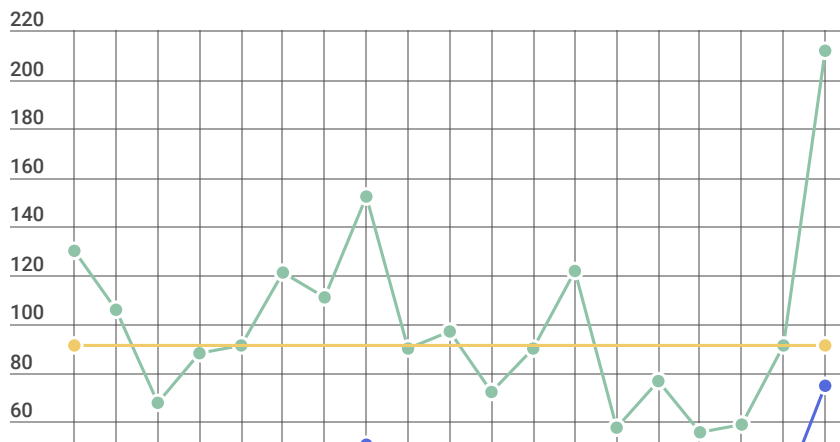
Since Oct. 1, the first day of what's referred to as the "water year," there's been nearly eight feet of precipitation at the Slide Mountain site. Most of it has been rain but there's plenty of snow.

Mount Rose Ski Tahoe has measured a total of about 54 feet since the beginning of ski season.

The total precipitation so far makes it the second-wettest year at that SNOTEL site, with seven months remaining in the water year.

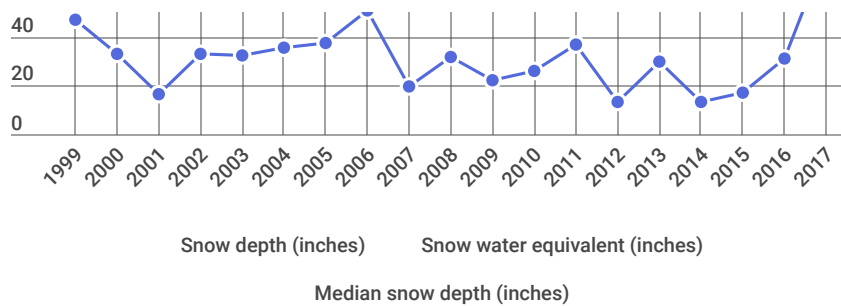
An average year at the site sees a little more than four-and-a-half feet of precipitation.

Mt. Rose March 1 snowpack totals



Photos: Water surges through the Lake Tahoe Dam in Tahoe City

Fullscreen



March 1 snow depth and snow water equivalent at Slide Mountain SNOTEL site at Mt. Rose Ski Tahoe since 1999. Snow water equivalent is the amount of water (shown here in inches) contained in the snow.



Photo: Snow is so deep at the equipment shed at the Slide Mountain SNOTEL site that hydrologist Jeff Anderson had to dig a pit just to get to the door.

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infogr.am

The big numbers aren't limited to one SNOTEL site.

The overall snowpack in the Truckee River Basin is 207% of normal for the date. The Lake Tahoe Basin snowpack is at 220%. The Carson River Basin is at 210%. The Upper Humboldt Basin, which is an important basin for rural northern Nevada, is at 156%.

California's March 1 snowpack totals are equally impressive.

At the Phillips snow course site south of Lake Tahoe the water content jumped from 28 inches at the beginning of February to more than 43 inches March 1. Snow depth was more than nine feet.

Tahoe winter deluge will sustain Reno water for years

(<http://www.rgj.com/story/news/2017/02/24/tahoe-winter-deluge-sustain-reno-years/98369196/>)

Statewide, the California snowpack is at an estimated 185% of normal for the date.

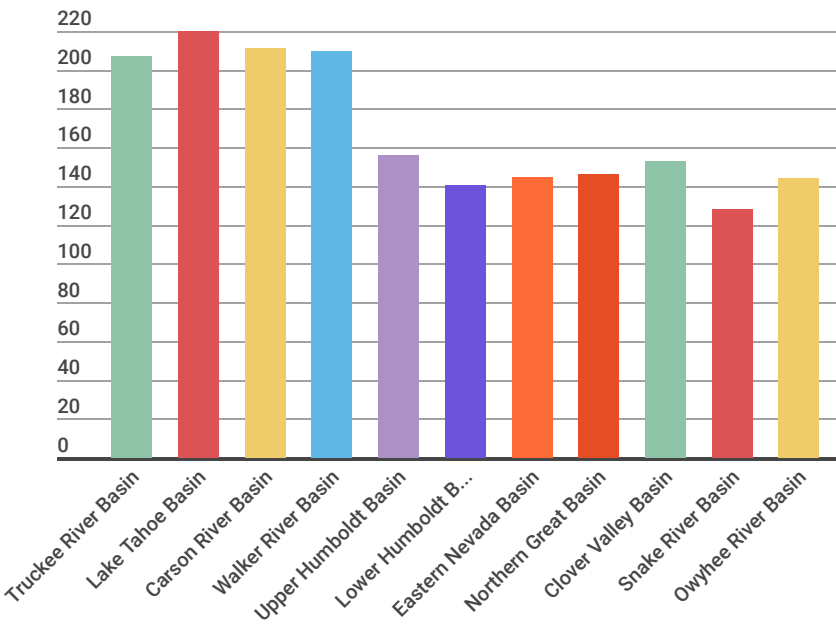
In fact, there's more snow now than there usually is on April 1, when the snowpack tends to peak.

“We busted through April 1 values pretty much at all snow courses throughout the state,” said Frank Gehrke, chief of the California Cooperative Snow Surveys Program.

Although the impressive snowpack has delivered much-needed drought relief the region still faces long term environmental challenges due in large part to global climate change.

Serious snowpack

Snowpack is well above normal for March 1 in river basins that are critical to Nevada's water supply. The chart below shows the amount of water in the snow compared to what's typical for March 1.



Share



Nighttime lows in the Sierra Nevada are trending warmer and the mean freeze level is getting higher. Both trends threaten to make large snowpack winters less frequent in the future.

A greater percentage of precipitation coming in the form of rain instead of snow and irregular snow-melt cycles makes it more difficult for communities to capture water for public use.

“Instead of making its way into our faucets, the snow we have now could be washed away into the ocean,” said Juliet Christian-Smith, senior climate scientist and water expert at the Union of Concerned Scientists, wrote in a statement about the California snowpack. “Even in heavy snow years like this one, global warming is the wild card in our water security.”

Follow Benjamin Spillman on Twitter: @ByBenSpillman

Read or Share this story: <http://usat.ly/2IBEott>



Snowpack levels surge in the Sierra Nevada, helping to power California out of drought



A view of the thin Sierra Nevada snowpack on April 28, 2015, in the midst of the statewide drought. By contrast, this year's Sierra snow accumulation is among the highest on record. (Rich Pedroncelli / Associated Press)



By **Joseph Serna**

MARCH 1, 2017, 8:30 PM

Plunging the long, metal rod into the snow beneath his feet in the mountain town of Phillips, state snow survey chief Frank Gehrke measured the Sierra Nevada snowpack Wednesday not against California's recent, historic drought but against its biggest rain years.

"It's in the top two or three, three or four snow accumulations for March," Gehrke said, standing on a 9-foot-high pillow of fresh powder Wednesday morning.

Traditionally considered the end of California's rain season, the April snowpack is the benchmark which the

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From Times Editor Davan Maharaj

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Water Resources said. On the same date in 1983, the biggest year on record, the entire Sierra Nevada snowpack was estimated to be 175% of its April 1 average, officials said.

“It basically started snowing on Veterans Day and basically didn’t stop until Memorial Day” in 1983, Gehrke said. “If we get another series of storms, we may end up record-setting on April 1. We’ll just have to see.”

If there were a choice, state water officials would prefer more traditional winter storms that flow south from the Gulf of Alaska. Those bring the snow elevation down and pile up snow that will melt at a steadier pace throughout the year. Warmer storms, dubbed “atmospheric rivers” or the “Pineapple Express” because they flow east from Hawaii and the tropical Pacific, melt snow and send heavy amounts of water cascading down saturated hillsides, causing havoc on the communities below.

“My biggest concern, and just about everyone agrees with it, is with all the snowpack in the Sierra. If we get a warm rain this spring, we’re going to be flooded. There’s no getting around it,” Robert Mitchell, mayor of the Sacramento Valley town of Tehama, said in an interview last week. “It’ll be ugly down here, but there’s nothing you can do to stop it.”

Case in point was San Jose in February. A series of atmospheric rivers overwhelmed Santa Clara County’s reservoir and levees and flooded the heart of the city. The city evacuated more than 14,000 people.

Since the water year began Oct. 1, California has enjoyed a constant stream of atmospheric river events that have filled reservoirs and rivers and helped replenish aquifers. About 40% of the state’s water comes through atmospheric rivers, and in an average year, the state can count on about a dozen of them, said F. Martin Ralph, the director of UC San Diego’s Center for Western Weather and Water Extremes at the Scripps Institution of Oceanography.

During the last five years of drought, California received maybe six atmospheric rivers a year, he said. Since Oct. 1, the state has had about 30 atmospheric river events, he said.

“‘The storm door is open’ is something we sometimes hear,” Ralph said.

The results of the atmospheric rivers have been striking.

Isolated, low-lying towns along the Russian and Sacramento rivers have been flooded repeatedly over the last two months. Dozens of counties have declared states of emergency, and the state’s biggest reservoir, Shasta Lake, released water from its spillway gates for the first time in two decades last week. About an hour south in Oroville, in the shadow of the Sierra Nevada, conditions at the nation’s tallest dam were briefly perilous last month when the main and emergency spillways both suffered damage from torrents of water.

Along the San Joaquin River in Central California, which has a much smaller capacity than the rivers up north,

“I think at this point people would welcome a little bit of a respite,” Gehrke said of the storms. “The snowpack is a wonderful boon, but the rain and precipitation has certainly caused some issues and challenges for folks.”

Though no significant storms are expected across the state for the next week or so, California’s varied microclimates provide little certainty for forecasters. It’s likely there will be at least another atmospheric river making landfall in the next six weeks, given the wet winter, Ralph said.

According to Wednesday’s survey, the northern Sierra Nevada snowpack was measured at 159%, the central Sierra was at 191%, and the southern region was at a whopping 201% of the average for the date. The snow will equate to more than 45 inches of rain when it eventually melts and flows into the state’s rivers and creeks, experts predict.

“It’s going to be hard to avoid some problems,” said Maury Roos, the state’s chief hydrologist.

This winter has been California’s wettest in at least 20 years, and in some parts of the state it may be the rainiest in history, according to state data.

The federal drought monitor shows the vast majority of the state is out of its 5-year-long drought thanks to the downpours, and officials say many of California’s surface-level reservoirs are full for the season. The biggest variable is how much the water has helped groundwater basins, which have been pumped for decades – and at rates that caused ground to sink during [the drought](#) – and have not been precisely measured.

“Water is good. There’s a lot of it. It’s just too bad we can’t move some of it to some of the areas that really need it for groundwater recharge,” Roos said.

joseph.serna@latimes.com

For breaking California news, follow [@JosephSerna](#) on Twitter.

ALSO

[Angels Flight expected to reopen by Labor Day, officials say](#)

[Oklahoma's earthquake threat now equals California's due to man-made temblors, USGS says](#)

[Carjacking suspect who drove in reverse during police chase is taken into custody after standoff](#)

UPDATES:

This article was originally published at 11:45 a.m.

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This article is related to: [Floods and Flooding, California Drought](#)

Today's Headlines Newsletter
From Times Editor Davan Maharaj

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**CRESCENTA VALLEY WATER DISTRICT
INVESTMENT PORTFOLIO SUMMARY
March 3, 2017**

INVESTMENT TYPE	ACCT/CUSIP I.D. NO.	PURCHASE DATE	*FACE VALUE	INVESTMENT COST	% OF TOTAL	**MARKET VALUE	MATURITY DATE	DATE CALLABLE	EARNED TO DATE	YIELD TO MATURITY
GENERAL FUNDS										
GENERAL FUND-SWEEP ACCOUNT	0631-525246		\$ 851,898	\$ 851,898	5.25%	\$ 851,898	none	n/a	\$ 188	0.02%
GREAT PACIFIC SECURITIES	GPC-804452		\$ -	\$ -	0.00%	\$ -	none	n/a	\$ 5	0.02%
BOND DEBT SERVICE FUND	6948-331525		\$ 345,924	\$ 345,924	2.13%	\$ 345,924	none	n/a	\$ 70	0.06%
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 2,098,247	\$ 2,098,247	12.92%	\$ 2,098,247	none	n/a	\$ 15,574	0.68%
TRANSFER FROM MTBE RESERVE			\$ 2,000,000	\$ 2,000,000	12.32%	\$ 2,000,000				Dec 2016
FEDERAL FARM CREDIT (87)	3133EC4Y7	11/19/2012	\$ 500,000	\$ 500,000	3.08%	\$ 499,915	11/27/2017	n/a	\$ 2,739	0.93%
FEDERAL FARM CREDIT (101)	31331VY26	6/14/2016	\$ 1,000,000	\$ 1,211,530	7.46%	\$ 1,141,580	8/16/2021	n/a	\$ 32,397	1.26%
FEDERAL FARM CREDIT (103)	31331VQG4	8/2/2016	\$ 1,000,000	\$ 1,287,830	7.93%	\$ 1,189,070	2/6/2026	n/a	\$ 25,929	1.88%
FEDERAL FARM CREDIT (104) NEW	912828V72	3/1/2017	\$ 500,000	\$ 497,804	3.07%	\$ 497,804	1/31/2022	n/a	\$ -	1.96%
			\$ 8,296,069	\$ 8,793,233		\$ 8,624,438			\$ 76,902	
CONSTRUCTION FUNDS										
COPS RESERVE FUND	108614000		\$ 617,211	\$ 617,211	3.80%	\$ 617,211	none	n/a	\$ 474	0.02%
			\$ 617,211	\$ 617,211		\$ 617,211			\$ 474	
MTBE CONTINGENCY FUNDS										
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 250,000	\$ 250,000	1.54%	\$ 250,000	none	n/a	\$ -	0.68%
GREAT PACIFIC SECURITIES	GPC-003670		\$ 514,926	\$ 514,926	3.17%	\$ 514,926	none	n/a	\$ -	0.02%
TRANSFER TO WATER RESERVE			\$ (2,000,000)	\$ (2,000,000)	-12.32%	\$ (2,000,000)				Dec 2016
FEDERAL FARM CREDIT (M-48)	3133ED4U3	5/11/2016	\$ 500,000	\$ 518,915	3.20%	\$ 507,675	10/11/2019	n/a	\$ 6,259	0.99%
FEDERAL FARM CREDIT (M-49)	3133EA5N4	5/11/2016	\$ 1,250,000	\$ 1,260,763	7.77%	\$ 1,239,950	10/22/2019	n/a	\$ 9,204	0.99%
US TREASURY (M-53)	912828R36	7/12/2016	\$ 1,000,000	\$ 1,013,212	6.24%	\$ 931,910	5/15/2026	n/a	\$ 9,038	1.48%
US TREASURY (M-54)	912828S76	8/5/2016	\$ 1,000,000	\$ 1,002,175	6.17%	\$ 968,520	7/31/2021	n/a	\$ 5,517	1.08%
US TREASURY (M-55)	912828R36	8/25/2016	\$ 1,000,000	\$ 1,004,930	6.19%	\$ 931,910	5/15/2026	n/a	\$ 7,079	1.57%
US TREASURY (M-56)	912828R36	10/4/2016	\$ 1,000,000	\$ 997,540	6.14%	\$ 931,910	5/15/2026	n/a	\$ 5,379	1.65%
FEDERAL FARM CREDIT (M-57)	3133EGWX9	10/5/2016	\$ 1,000,000	\$ 987,148	6.08%	\$ 915,710	4/6/2026	n/a	\$ 5,884	1.96%
FEDERAL FARM CREDIT (M-58)	31331VWN2	11/9/2016	\$ 1,000,000	\$ 1,266,700	7.80%	\$ 1,209,590	4/13/2026	n/a	\$ 12,279	2.24%
			\$ 6,514,926	\$ 6,816,308		\$ 6,402,101			\$ 60,639	
TOTAL INVESTMENTS			\$ 15,428,206	\$ 16,226,753		\$ 15,643,750			\$ 138,015	
CASH- PAYROLL ACCOUNT	0948-024724		\$ 12,084	\$ 12,084	0.07%	\$ 12,084				
TOTAL CASH AND INVESTMENTS			\$ 15,440,290	\$ 16,238,836	100%	\$ 15,655,834			\$ 138,015	1.03%
						\$ (583,003)	***Unrealized Gain/(Loss) on Investments			

Yield on investments including LAIF but not cash accounts	1.38%
Yield on investments not including LAIF or cash accounts	1.50%

I certify that this report accurately reflects all pooled investments and is in compliance with California Government Code Sections 5922 & 53601 as amended on 1/1/97; are currently in conformity with the investment policy as stated in Resolution No. 734 adopted on December 6, 2016. As Treasurer of the Crescenta Valley Water District, I, Ron L. Mitchell hereby certify that sufficient investment liquidity and anticipated revenues are available to meet one year of estimated expenditures for the operations of Crescenta Valley Water District.

*Value at investment maturity date.

***Reported in compliance with GASB Standard No. 31, effective July 1, 1997, the "fair value" adjustment necessary between cost and market value.

	December 31, 2016	November 30, 2016	October 31, 2016
Water	\$ 10,300,841.04	\$ 10,226,866.07	\$ 10,737,673.36
Wastewater	\$ 4,675,951.62	\$ 4,561,479.38	\$ 4,600,534.52
	\$ 14,976,792.66	\$ 14,788,345.45	\$ 15,338,207.88

March 3, 2017
Date

Ron L. Mitchell, Secretary-Treasurer, CVWD

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

GM Report
March 7, 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	3 Leadership Staff and 2 Board Workshops completed. Goals and objectives drafted. Draft Strategic Plan due March 7 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

Recent community outreach has been dominated by the wet winter and water supply improvements.

Past 60 Days:

- CV Weekly Article – Water supply and groundwater conditions – December 22, 2016.
- CVTC Presentation – Water supply update – January 19th (also covered by CV Weekly).
- CVWD website updated with new water supply status graphics.
- CVTC Presentation – Water supply status, Oroville Dam report, Pennsylvania Pipeline Project Schedule – February 16th.

General Manager Correspondence to the Board (Attached)

Staffing

Eight employees have anniversary dates in March: Siaki Mortenson -1 year; Tom Love – 2 years; Mark Hass – 11 years; Christy Scott – 14 years; Pam Leddy – 15 years; Cory Whitman and Raymond Dodge – 24 years; and Wendy Holloway – **35 years**.

As of March 3rd, the District has worked **998days** without a lost time accident.

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

Thomas Love

From: Thomas Love
Sent: Tuesday, February 21, 2017 10:34 AM
Subject: FW: 02-21-17 Crescenta Valley Rainfall Exceeds Annual Average
Attachments: 02-21-17 Crescenta Valley Rainfall Exceeds Annual Average.docx

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

Directors, attached is a draft press release regarding the water supply status. The graphic has been updated, incorporating Director suggestions.

Tom

From: Thomas Love
Sent: Tuesday, February 21, 2017 10:11 AM
To: GRP_CVWD_Managers
Subject: 02-21-17 Crescenta Valley Rainfall Exceeds Annual Average

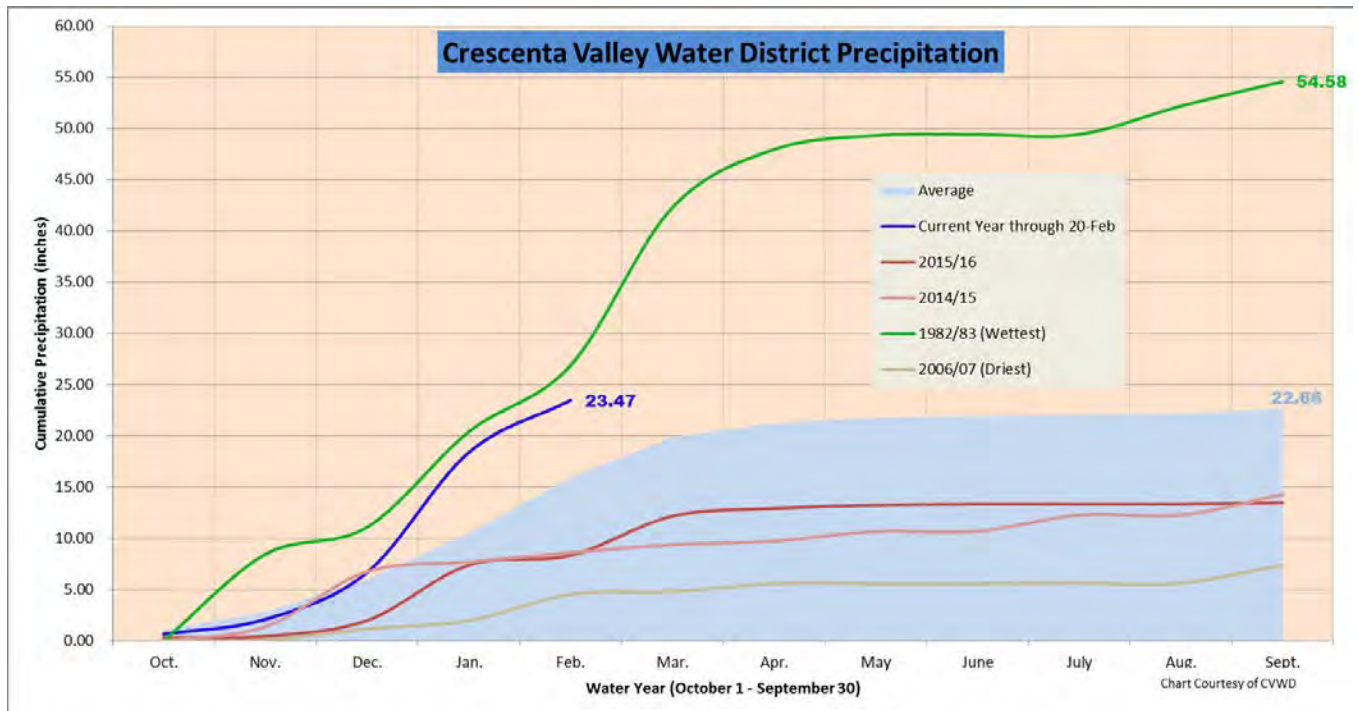
Please provide any edits/comments.

Tom



Crescenta Valley Rainfall Exceeds Annual Average

Last weekend's storm dropped 3.04 inches of rain at the Crescenta Valley Water District (District) office on Foothill Boulevard. This brings the season total to 23.47 inches, exceeding the annual average of 22.66 inches for the first time in 6 years. This precipitation will result in improvements to local groundwater levels, but will take several months to reach the District's groundwater wells.



Statewide the water supply improvements are even more dramatic. Northern Sierra precipitation exceeds the wettest year on record by 25 inches and snowpack is 30% above average. As a result imported water supplies will be adequate to meet projected demands and additional water is being stored in regional reservoirs.

The District continues to monitor and evaluate the local and imported water supply improvements and will make appropriate changes to the water conservation alert level in the near future.

For more information on water supply conditions, please visit 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.

Thomas Love

From: Thomas Love
Sent: Tuesday, February 21, 2017 8:22 AM
Subject: FW: Rainfall

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

Rainfall update with official total.

From: Joe Huerta
Sent: Tuesday, February 21, 2017 8:12 AM
To: Ron Mitchell
Cc: Brook Yared; Bryan Jones; Christina Olmedo; Christy Scott; Cory Whitman; Dave Spain; David Gould; Dennis Maxwell; Lynne Sovich; Mark Hass; Pam Leddy; Roy Spaulding; Thomas Love; Wendy Holloway; Raymond Dodge; peter hilke; Darlene Telles; Natalie Bellissimo; James Lee
Subject: Rainfall

Rainfall for February 18,19 & 20 (Sat, Sun & Mon.) was 1.44 inches, season total is 23.47 inches.

Joe Huerta

Sr. Engineering Technician
Crescenta Valley Water District
(818) 248-3925

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

March 7, 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

- February 1 – 28 – Water production – 60%/40% split – 66.7 MG for the time period
Average use – 17.2% less than 2016 and 25.5% less than 5-yr average

2. Rainfall Update

- 5.29" for February 2017
- Rainfall total for Rainfall Year 2016/17 – 23.67"

3. Report on Engineering

- **CIP Projects**

- o Ocean View Chloramination Project
 - Preparing RFQ for piping for delivering water to FMWD
 - Agreements – Working with FMWD & LADWP
- o Pipeline Projects
 - 4200 – 4400 Blocks of Pennsylvania
- o Pickens Canyon Pipeline Replacement and Slope Repair
 - Construction began – February 27, 2017
- o Paschall Booster Station MCC and Piping Upgrades
 - Staff working on Request for Proposal
- o Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir
 - Pickens Reservoir – to be completed by March 2017

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

- Staff review of 90% Design plans and specifications is underway
- Preparing plans for submittal to Glendale Building & Safety, Public Works and Water & Power for Permits
- Preparing RFQ to pre-order Electrical Motor Control Center and Pre-Fabricated Buildings

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

- No Report

- **ULARA**

- Technical Memorandum review underway for Salt and Nutrient Monitoring Plan (SNMP)

- **Water Meter Replacement Program**

- Field crews replacing water meters in Zones 8, 9 & 11
- Replaced 51 meters replaced in February

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

- **Wells - Status**

- Well production capacity - averaging 1.60 MGD for February 2017

5. **Field Maintenance & Operations**

- **Water Lateral Leaks & Repairs**

4840 Sunset Ave	3222 Honolulu Ave	3919 Ramsdell Ave
3916 Pennsylvania Ave	4516 Ramsdell Ave	2649 Foothill Blvd
3124 El Caminito Ave		

- **Fire Hydrant Repair**

- 3200 Los Olivos Ave
- 4004 La Crescenta Ave

- **Developer Job**

- No Report

- **Water Main Leaks**

- No Report

- **Booster Pump Maintenance**

- No Report

- **Reservoir Maintenance**

- No Report

- **Sewer Maintenance**

2800 Block of Frances	2800 Block of Henrietta	5000, 5100 & 4900 Blocks of La Crescenta
2800 Block Paraiso Way	2800 Block of Orange	

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

February 1 - February 28, 2017

Well Production:	29,709,261	Gals		
GWP Production:	8,890,000	Gals		
Gravity Production:	1,358,000	Gals	% GW	60%
Purchased Water:				
FMWD:	26,750,724	Gals		
City of Glendale:	0	Gals	% Import	40%
TOTAL:	66,707,985	Gals		
	204.72	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	9,292,000		*Included in Well Production	

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
February 1, 2017 - February 28, 2017	2,438,396	
February 1, 2016 - February 28, 2016	2,945,149	-17.2%
5-yr Average - February 2012 - 2016	3,273,435	-25.5%

RAINFALL: February 1 - February 28, 2017

5.29"

Season-To-Date:

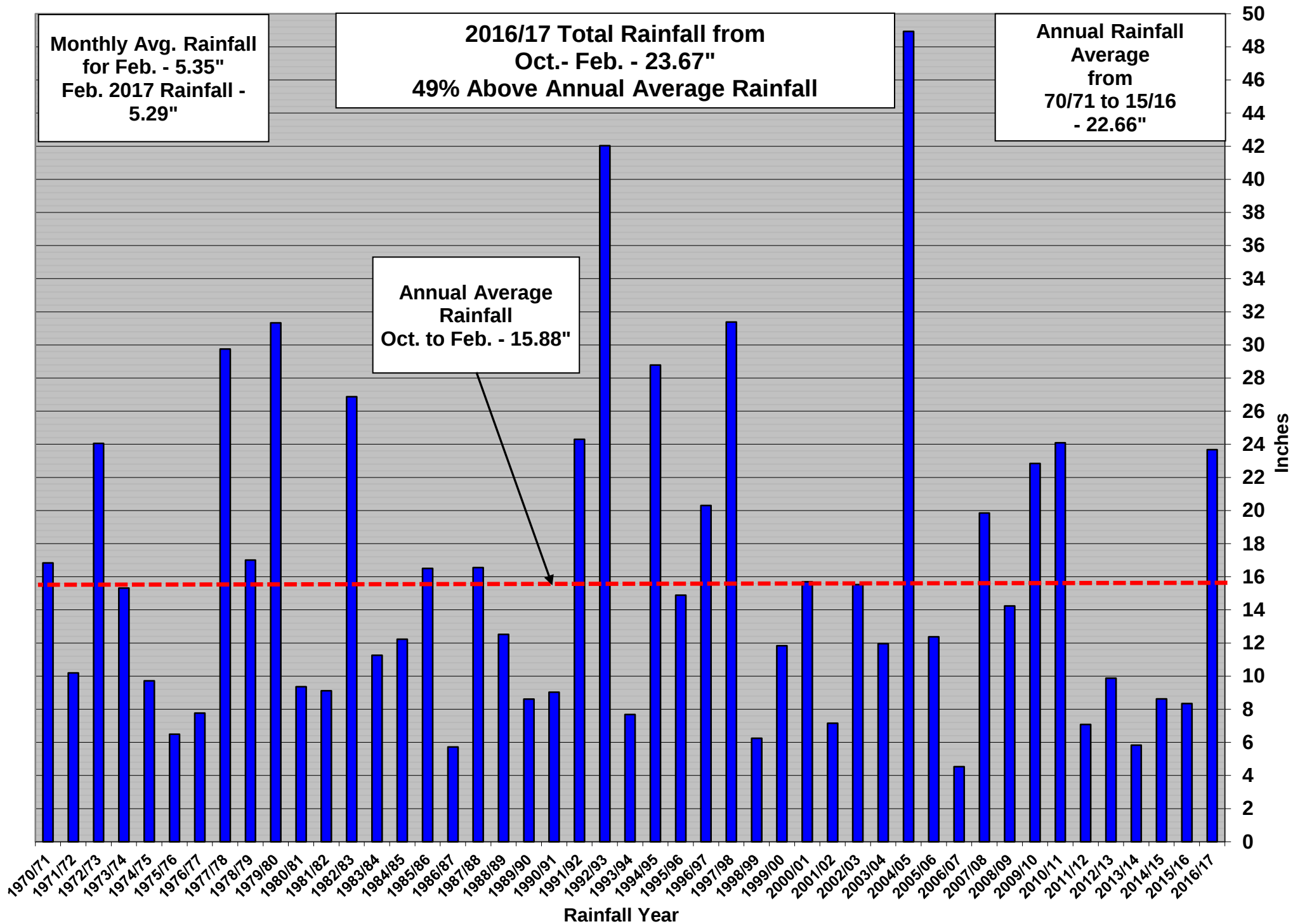
23.67"

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		March	
October	354	315	January	112	April		April	
November	319	290	February	95	May		May	
December	277	250	March		June		June	
January	245	260	April		July		July	
February	205	285	May		August		August	
March		330	June		September		September	
April		325	July		October		October	
May		325	August		November		November	
June		335	September		December		December	
Total to Date	2,538	2,385	Total to Date	551	Total to Date	58	Total to Date	184
Projected	3,853	3,700	Water Rights	3,294			Tier 2	2,154
% of Projected	68.6%	64.5%	% of Rights	17%			% of Allocation	9%
Remaining	1,162	1,315	Remaining	2,743			Remaining	1,970

NOTE:

1) Blue Numbers = Estimated Water Production

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



CRESCENTA VALLEY WATER DISTRICT

MEMORANDUM

DATE: February 23, 2017
TO: Finance Committee Meeting File
FROM: Ron L. Mitchell

Following is a summary of the Finance Committee Meeting held at 8:00 am on February 23, 2017, at the CVWD main office, and was attended by the following:

Director Judy Tejeda - Committee Chairperson	CVWD
Director James Bodnar - Committee Member	CVWD
Thomas A. Love – General Manager	CVWD
Ron L. Mitchell – Secretary-Treasurer	CVWD

1. Review of OPEB actuarial valuation as of July 1, 2016

Mr. Gary Cline of Nicolay Consulting attended the meeting via conference call and reviewed the draft report for the OPEB liability as of July 1, 2016. Mr. Cline said that the District's Actuarial Accrued Liability (AAL) is \$8.9 million with the Annual Required Contribution (ARC) at \$745,000. He went on to say that beginning with FY 2017/18, new GASB 75 regulations will go into effect that will require that the unfunded liability be put on the balance sheet and will separate costs between retirees and active employees that will increase the AAL to over \$11 million.

2. Review first draft of FY 2017/18 Water budget

The Committee and staff discussed the first draft of the FY 2017/18 water budget. Mr. Love provided a summary of FY 2016/17 projections for revenues, expenses, and capital improvements. He explained that purchased water costs are exceeding budget, but water sales and reduced O & M expenses are tracking under budget and that the net increase to reserves will be \$590,000 as opposed to the increase of \$140,000 that was budgeted.

3. Review of District rental properties

Staff supplied the Committee a spreadsheet of acquisition costs vs. current market value, rental income, and expenses related to the two single family homes the District owns and rents. Director Tejeda asked staff to expand this list to include the Mills house and determine the value of the Main Office complex.

The meeting adjourned at 9:30 a.m.

CRESCENTA VALLEY WATER DISTRICT

2700 FOOTHILL BOULEVARD
LA CRESCENTA, CALIFORNIA

Agenda for the Meeting of the Finance Committee
of the Crescenta Valley Water District

To be held February 23, 2017 at 8:00 a.m.

Posted: February 22, 2017 at 1:00 p.m.

Call to Order

Adoption of Agenda

Action Items

- 1) Review of OPEB actuarial valuation as of July 1, 2016.
- 2) Review first draft of FY 2017-18 water budget.
- 3) Review of District rental properties.

Committee Member's Request for Future Agenda Items

Adjournment

SECTION I – Summary of 7/1/16 Valuation Results

Table 1-1
Summary of Valuation Results

	<u>7/1/2016</u>	<u>7/1/2014</u>
Present Value of Future Benefits		
Active	\$8,924,957	\$8,857,737
Retiree	<u>\$2,616,599</u>	<u>\$2,230,613</u>
Total	\$11,541,556	\$11,088,350
Actuarial Accrued Liability		
Active	\$6,376,299	\$6,159,431
Retiree	<u>\$2,616,599</u>	<u>\$2,230,613</u>
Total	\$8,992,898	\$8,390,044
Actuarial Value of Assets	\$0	\$0
Unfunded Actuarial Accrued Liability	\$8,992,898	\$8,390,044
Expected Employer Share of Current Year Plan Cost (Pay-As-You-Go)*	\$152,339	\$138,718
Annual Required Contribution	\$744,566	\$698,496
Number of Plan Participants		
Actives	33	34
Retirees and Surviving Spouses	<u>15</u>	<u>14</u>
Total	48	48
Discount rate	4.50%	4.50%
Assumed Increase in Per-Capita Claim Costs		
Health Care Costs		
Initial Rate		
Pre-65	8.00%	8.50%
Post-65	5.50%	6.00%
Ultimate Rate	5.00%	5.00%
Year Ultimate Rate Reached	2030	2029

*Excludes implicit subsidy related to retiree premiums (since unadjusted premiums represent the current cash cost) and the implied subsidy related to active employee premiums (but the District can elect to recognize this as a retiree cash cost under GASB 45).

The Actuarial Accrued Liability (AAL) has increased \$602,854 from \$8,390,044 as of July 1, 2014 to \$8,992,898 as of July 1, 2016. A breakdown of the sources of this change in liability is shown below in Table 1-2.

Table 1-2
Estimated Sources of Liability Change (thousands)

	<u>Amount</u>	<u>Percent</u>
Expected Benefits Earned, Benefit Payments and Interest	\$1,075	13%
Revised CalPERS Assumed Mortality Rates	\$772	9%
Recognition of an Age-Related Implicit Subsidy	\$450	5%
Revised Health Care Cost Assumed Trend Rates	\$253	3%
Revised CalPERS Assumed Retirement Rates	(\$119)	(1%)
Actual 2016 and 2017 Premium Rates	(\$1,798)	(21%)
Actual Demographic and Other Experience	<u>(\$29)</u>	<u>0%</u>
Total Liability Change*	\$603	7%

*Individual amounts may not add to total due to rounding.

Expected Benefits Earned, Benefit Payments and Interest: The liabilities were expected to increase 13% from the prior actuarial valuation due to net effect of active employees continuing to earn benefits, retirees receiving benefit payments, and interest.

Revised CalPERS Assumed Mortality Rates: We updated the valuation assumed mortality rates to reflect those rates most recently published by CalPERS, and the projection scales most recently published by the Society of Actuaries, which drove a 9% increase in liabilities. This increase is primarily caused by an observed improvement in longevity for the overall population in the SOA study.

Recognition of an Age-Related Implicit Subsidy: Since healthcare costs generally increase with age, an implied subsidy exists. This subsidy is caused by the difference between the flat-rate premiums participants are charged and the assumed average age-related claims costs.

Effective with measurement dates on or after March 31, 2015, Actuarial Standard of Practice No. 6 (ASOP 6) requires actuarial valuations to reflect the impact of aging on claims for “community-rated” plans. For the District, this means we were required to revise the pre and post-Medicare plan liabilities to base them on a claims cost curve as opposed to premiums. The resulting implicit subsidy identified from this assumption increased liabilities approximately \$453,000, or roughly 5%. This subsidy is positive (an increase in the liability), which reflects the fact that the flat-rate premiums are lower than the assumed age-adjusted cost of coverage (e.g., for the pre-Medicare plans the younger active employees are subsidizing the older retired participants).

Revised Health Care Cost Trend Rates: Initial trend rates in the July 1, 2015 valuation were stand-alone initial pre- and post-Medicare trend rates, grading from 8.5% and 6%, respectively, down to 5%. For the July 1, 2016 valuation we revised initial pre- and post-Medicare trend rates to 8% and 5.5%, respectively. We also factored in the large increase in some of the plans from 2016 to 2017. The total changes in trend added 3% to liabilities.

Revised CalPERS Assumed Retirement Rates: We updated the valuation assumed retirement rates to reflect those rates most recently published by CalPERS, which drove a 1% decrease in liabilities due to an observed delay in retirements among CalPERS employees.

Actual 2016 and 2017 Premium Rates: The increase in the ACWA premiums from 2014 to 2016 and 2017 was lower than assumed, resulting in a 21% decrease in liabilities.

Actual Demographic and Other Experience: This is a catch-all category that refers to actual demographic experience (e.g., withdrawal, retirement, death, disability, marriage, etc.) and other experience (e.g., plan participation, plan selection, etc.) other than expected. Actual demographic experience is driven by the participant census data we collect from the District for our valuations. Demographic experience since the July 1, 2014 valuation resulted in a near zero decrease in the liability.

SECTION II – Sensitivity Analysis

The following tables show the sensitivity of the liabilities to certain key assumptions:

Trend Rate:

The current trend rates are as follows:

- Initial Trend Rate:
 - o Pre-65 8.00%
 - o Post-65 5.50%
- Ultimate Trend Rate: 5.00%
- Ultimate Year:
 - o Pre-65 2030
 - o Post-65 2019

Increasing or decreasing the trend by 1% means the trend for each future year is +/-1%. For example, if trend rates are increased by 1%, it means that the initial pre-65 rate is increased from 8% to 9%, as is every rate in the future, including the ultimate trend rate (which is increased from 5% to 6%).

Trend Rate Sensitivity:	-1%	Current	+1%
AAL:	\$7,471,931	\$8,992,898	\$10,985,651
AAL \$ Change:	(\$1,520,967)	\$0	\$1,992,753
AAL % Change:	(17%)	0%	22%

Discount Rate:

The current discount rate is 4.50% and +/-1% is equivalent of assuming a 5.50% or 3.50% discount rate.

Discount Rate Sensitivity:	-1%	Current	+1%
AAL:	\$10,779,190	\$8,992,898	\$7,600,819
AAL \$ Change:	\$1,786,292	\$0	(\$1,392,079)
AAL % Change:	20%	0%	(15%)

Table Water Budget WB - 1 Projected Water Customers - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Water Meter Size	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
3/4 inch	6,921	6,919	6,926	6,956	6,996	6,999	7,002	7,005	7,008
1 inch	814	815	818	815	820	823	826	829	832
1-1/2 inch	145	146	147	147	149	150	151	152	153
2 inch	64	64	65	64	67	68	69	70	71
3 inch	28	28	29	28	31	31	31	31	31
4 inch	2	2	2	2	4	4	4	4	4
6 inch	0	0	0	0	0	0	0	0	0
8 inch	0	0	0	0	0	0	0	0	0
10 inch	0	0	0	0	0	0	0	0	0
Total water services	7,974	7,974	7,987	8,012	8,067	8,075	8,083	8,091	8,099
Projected No. of Account Annual Increase	5	0	13	38	55	8	8	8	8
Projected Percent of Account Annual Increase	0.06%	0.00%	0.16%	0.48%	0.69%	0.10%	0.10%	0.10%	0.10%

Table Water Budget - WB-2 Water Production and Costs - FY 17/18 - Draft V.01

		2	1			1	2	3	4	5
Description		Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Well Production (Verdugo Basin)		2,146	1,761	1,950	1,445	1,600	1,800	1,950	2,100	2,250
Well Production (GWP)		0	169	555	370	450	505	600	600	600
Foothill MWD Purchases ⁽⁴⁾		1,875	1,573	1,195	2,000	2,000	1,910	1,880	1,955	2,050
Total Production ⁽¹⁾⁽²⁾		4,021	3,503	3,700	3,815	4,050	4,215	4,430	4,655	4,900
Shrinkage (percent) ⁽³⁾		8%	8%	8%	8%	8%	8%	8%	8%	8%
Less Shrinkage (ac-ft)		322	280	296	305	324	337	354	372	392
Total billable consumption (sales)		3,699	3,223	3,404	3,510	3,726	3,878	4,076	4,283	4,508
FMWD Purchased Water		1,875	1,573	1,195	2,000	2,000	1,910	1,880	1,955	2,050
FMWD Unit Charge (\$/ac-ft)		\$1,461	\$1,560	\$1,757	\$1,482	\$1,542	\$1,684	\$1,693	\$1,736	\$1,784
FMWD Cost		\$ 2,742,335	\$ 2,454,524	\$2,099,400	\$2,963,900	\$3,084,100	\$3,217,300	\$3,182,800	\$3,394,700	\$3,658,000
Cost Increase/Decrease from FMWD Unit Charge		\$153	\$99	\$196	-\$78	\$60	\$142	\$9	\$43	\$48
Percent FMWD Cost Increase/Decrease		11.72%	6.80%	12.59%	-5.03%	4.06%	9.23%	0.51%	2.57%	2.76%
Well Production (GWP)		0	169	555	370	450	505	600	600	600
GWP Unit Charge (\$/ac-ft)		\$0	\$290	\$417	\$417	\$460	\$460	\$462	\$449	\$475
GWP Cost		\$ -	\$ 49,036	\$231,435	\$154,290	\$207,000	\$232,300	\$277,200	\$269,400	\$285,000

Notes:

1. All quantities are in acre-feet (ac-ft).
2. Projected Total Production for FY 16/17 at 3,700 ac-ft due to Governor's order to reduce demand to Oct. 2016
3. Shrinkage (water loss) anticipated to be 8% as part of the continuation of the water meter replacement program
4. FMWD Cost based on FMWD's Preliminary Budget for FY 16/17 dated 6/20/16

Water Budget Table WB-3 Sources of Water Funds - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Sources of Funds - Variable Sources									
Water Sales - Consumers	\$ 6,594,471	\$ 5,952,066	\$ 6,953,000	\$ 6,998,561	\$ 8,157,000	\$ 9,121,000	\$ 10,303,000	\$ 11,580,000	\$ 12,190,000
Water Sales - Irrigation									
<i>Water Sales - CVWD</i>	\$ 4,162,173	\$ 5,952,066	\$ 6,953,000		\$ 8,157,000	\$ 9,121,000	\$ 10,303,000	\$ 11,580,000	\$ 12,190,000
<i>Water Sale - FMWD</i>	\$ 2,432,299		\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - Water	\$ 91,782	\$ 188,668	\$ 107,000	\$ 119,059	\$ 123,000	\$ 95,000	\$ 93,000	\$ 103,000	\$ 122,000
Gain/Loss on Sale of Investments	\$ 94,125	\$ 83,806	\$ 56,000	\$ 48,549	\$ 67,000	\$ 55,000	\$ 53,000	\$ 57,000	\$ 64,000
Fair Value Adjustment	\$ (122,475)	\$ 362,379	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - MTBE Reserve Fund	\$ 103,498		\$ 77,000	\$ 115,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000	\$ 75,000
Gain/Loss on Sale of Assets (<i>deleted</i>)	\$ -								
Subtotal variable sources	\$ 6,761,401	\$ 6,586,919	\$ 7,193,000	\$ 7,281,169	\$ 8,414,000	\$ 9,340,000	\$ 10,520,000	\$ 11,813,000	\$ 12,451,000
Sources of Funds - Stable Sources									
Water Sales - Service Charge	\$ 1,828,481	\$ 1,949,220	\$ 2,247,000	\$ 2,283,849	\$ 2,441,000	\$ 2,626,000	\$ 2,827,000	\$ 3,029,000	\$ 3,033,000
Fire Service Meter Charge	\$ 33,300	\$ 36,773	\$ 38,000	\$ 64,307	\$ 48,000	\$ 49,000	\$ 53,000	\$ 53,000	\$ 57,000
Late Fees/Fire Hydrant Flow/Backflow Tests	\$ 71,455	\$ 62,897	\$ 80,000	\$ 65,733	\$ 68,733	\$ 71,733	\$ 74,733	\$ 77,733	\$ 80,733
Other Income - Water	\$ -	\$ 54,024	\$ 5,000	\$ 45,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Rental Property Income	\$ 22,200	\$ 21,263	\$ 23,000	\$ 22,950	\$ 22,950	\$ 22,950	\$ 22,950	\$ 26,000	\$ 26,000
Subtotal - Stable Sources	\$ 1,955,436	\$ 2,124,186	\$ 2,393,000	\$ 2,484,840	\$ 2,585,683	\$ 2,774,683	\$ 2,982,683	\$ 3,190,733	\$ 3,201,733
Sources of Funds - CIP Sources									
Water Systems Connect Fee	\$ 40,212	\$ 36,551	\$ 45,000	\$ 202,500	\$ 45,000	\$ 50,000	\$ 55,000	\$ 60,000	\$ 60,000
Meter Installation/Hydrant Charges	\$ 148,150	\$ 40,690	\$ 30,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 70,000	\$ 80,000	\$ 90,000
Grant Revenue	\$ 49,273	\$ 574,983	\$ 1,150,250	\$ 900,000	\$ 690,000	\$ 620,475	\$ 285,300	\$ 250,000	\$ 250,000
Glendale Capital Contribution (GWP)		\$ 214,346		\$ -	\$ -				
Gain/Loss on Sale of Assets	\$ 664	\$ 5,401	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - COP Bonds (not included in subtotal or total)	\$ 162	\$ 222	\$ 200	\$ 845	\$ 845	\$ -	\$ -	\$ -	\$ -
Subtotal CIP Sources	\$ 238,461	\$ 872,193	\$ 1,225,450	\$ 1,133,345	\$ 765,845	\$ 730,475	\$ 410,300	\$ 390,000	\$ 400,000
TOTAL SOURCE OF FUNDS	\$ 8,955,298	\$ 9,583,298	\$ 10,811,450	\$ 10,899,354	\$ 11,765,528	\$ 12,845,158	\$ 13,912,983	\$ 15,393,733	\$ 16,052,733

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft V.01

		2		1			1	2	3	4	5
Description	Account No.	Recorded FY 2014-15	Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
EXPENSE											
COMPENSATION AND BENEFITS											
Director Fees	451-99	\$ 9,225	\$ 8,370		\$ 9,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
Compensation											
Officer Salaries	441-99	\$ 150,010	\$ 163,897		\$ 170,000	\$ 165,679	\$ 172,000	\$ 171,000	\$ 172,000	\$ 174,000	\$ 176,000
Administrative Services Labor	452-98/99	\$ 332,408	\$ 349,000		\$ 366,000	\$ 359,369	\$ 363,000	\$ 371,000	\$ 376,000	\$ 382,000	\$ 385,000
Administrative Services Labor - OT		\$ 3,209	\$ 3,493		\$ 3,000	\$ 5,026	\$ 4,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Engineering Department Labor	473-98/99	\$ 291,255	\$ 279,073		\$ 298,000	\$ 342,368	\$ 328,000	\$ 301,000	\$ 308,000	\$ 313,000	\$ 317,000
Engineering Department Labor-OT		\$ 2,627	\$ 6,039		\$ 4,000	\$ 2,743	\$ 3,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000
Plant - Office Labor	447-98/99	\$ 202,521	\$ 135,448		\$ 221,000	\$ 184,619	\$ 231,000	\$ 223,000	\$ 225,000	\$ 228,000	\$ 243,000
Plant - Office Labor-OT		\$ 352	\$ 271		\$ -	\$ 705	\$ -	\$ -	\$ -	\$ -	\$ -
System Operators Labor	403-98/99	\$ 274,129	\$ 282,916		\$ 298,000	\$ 313,034	\$ 314,000	\$ 301,000	\$ 304,000	\$ 307,000	\$ 310,000
System Operators Labor-OT		\$ 24,973	\$ 16,649		\$ 22,000	\$ 14,054	\$ 15,000	\$ 22,000	\$ 22,000	\$ 23,000	\$ 23,000
Utility Workers Labor	425-98/99	\$ 325,943	\$ 346,303		\$ 345,000	\$ 363,281	\$ 366,000	\$ 356,000	\$ 364,000	\$ 374,000	\$ 398,000
Utility Workers Labor-OT		\$ 51,582	\$ 38,487		\$ 52,000	\$ 35,983	\$ 45,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Standby Pay		\$ 41,038	\$ 43,125		\$ 43,000	\$ 45,140	\$ 46,000	\$ 44,000	\$ 44,000	\$ 45,000	\$ 46,000
Auto Allowance		\$ 9,075	\$ 10,200		\$ 10,000	\$ 10,200	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Labor Transfer to Capital					\$ -	\$ -	\$ -	combined with Engineering Dept. Labor			\$ -
Compensation Total		\$ 1,718,347	\$ 1,683,271		\$ 1,841,000	\$ 1,850,199	\$ 1,906,000	\$ 1,866,000	\$ 1,893,000	\$ 1,926,000	\$ 1,979,000
Sick and Vacation - Office	439-01	\$ 133,363	\$ 101,616		\$ 112,000	\$ 105,634	\$ 134,000	\$ 112,000	\$ 113,000	\$ 115,000	\$ 116,000
Sick and Vacation - Plant	439-02	\$ 88,909	\$ 67,744		\$ 74,000	\$ 70,423	\$ 90,000	\$ 74,000	\$ 76,000	\$ 77,000	\$ 77,000
Taxes - Payroll (Total Employees)	459-00	\$ 130,866	\$ 130,768		\$ 139,000	\$ 131,807	\$ 138,000	\$ 140,000	\$ 142,000	\$ 144,000	\$ 146,000
PERS Retirement (Total Employees)	469-00	\$ 274,681	\$ 275,500		\$ 315,000	\$ 296,835	\$ 341,000	\$ 342,000	\$ 367,000	\$ 392,000	\$ 404,000
Workers' Compensation - Office	487-01	\$ 13,221	\$ 19,387		\$ 21,000	\$ 20,276	\$ 17,000	\$ 18,000	\$ 16,000	\$ 13,000	\$ 13,000
Workers' Compensation - Plant	487-02	\$ 56,460	\$ 79,614		\$ 90,000	\$ 81,629	\$ 73,000	\$ 82,000	\$ 71,000	\$ 57,000	\$ 58,000
Health and Dental and Vision - Office	464-01	\$ 136,220	\$ 129,880		\$ 128,000	\$ 134,601	\$ 139,000	\$ 131,000	\$ 133,000	\$ 136,000	\$ 138,000
Life & Disability Insurance - Office & Plant		\$ 9,497	\$ 9,959		\$ 10,000	\$ 9,933	\$ 10,000	\$ 10,000	\$ 10,000	\$ 11,000	\$ 12,000
Health and Dental and Vision - Plant	464-02	\$ 140,649	\$ 132,772		\$ 140,000	\$ 132,007	\$ 147,000	\$ 142,000	\$ 145,000	\$ 148,000	\$ 150,000
Self Insurance		\$ 9,301	\$ 7,468		\$ 13,000	\$ 7,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Retiree - Health Care Expense	464-55	\$ 74,635	\$ 70,387		\$ 74,000	\$ 74,411	\$ 85,000	\$ 75,000	\$ 77,000	\$ 78,000	\$ 80,000
Benefits Total		\$ 1,067,802	\$ 1,025,201		\$ 1,116,000	\$ 1,064,556	\$ 1,187,000	\$ 1,139,000	\$ 1,163,000	\$ 1,184,000	\$ 1,207,000
TOTAL COMPENSATION AND BENEFITS		\$ 2,786,149	\$ 2,708,472		\$ 2,957,000	\$ 2,914,755	\$ 3,093,000	\$ 3,005,000	\$ 3,056,000	\$ 3,110,000	\$ 3,186,000
PLANT - WATER OPERATION											
Utilities											
Taxes - Property	404-00										
Glenwood - Plant Maintenance	405-02	\$ 12,302	\$ 12,502		\$ 13,300	\$ 12,767	\$ 13,300	\$ 13,500	\$ 13,700	\$ 13,900	\$ 14,100
Glenwood - Landscape	406-02	\$ 5,460	\$ 4,950		\$ 5,500	\$ 7,503	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500
Office Supplies & Misc Expenses - Plant		\$ 9,369	\$ 7,784		\$ 7,000	\$ 13,240	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000
Glenwood - Utilities	404-02	\$ 17,368	\$ 12,119		\$ 16,000	\$ 13,236	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Glenwood - Enterprise Communications - Move to Office	443-02	\$ 42,352	\$ -		\$ -	\$ -	\$ -	combined 01-01-5225			\$ -
Training - Plant	407-02	\$ 6,307	\$ 6,731		\$ 7,000	\$ 5,569	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,500	\$ 8,700
Education Reimbursement/Certifications	475-00	\$ 3,707	\$ 5,532		\$ 4,000	\$ 3,677	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000	\$ 5,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft V.01

		2		1	1		2	3	4	5
Description	Account No.	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Glenwood - Safety and Security System	409-02	\$ 16,888	\$ 21,511	\$ 17,000	\$ 30,234	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 22,000
Glenwood - Uniforms	427-02	\$ 9,865	\$ 11,264	\$ 9,000	\$ 10,474	\$ 9,000	\$ 9,500	\$ 10,000	\$ 10,500	\$ 11,000
Permit & Assessment Fees	446-00	\$ 1,230	\$ 1,973	\$ 1,500	\$ 1,000	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Tools and Equipment Maintenance	455-02	\$ 14,961	\$ 14,125	\$ 16,000	\$ 14,575	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Nitrate Plant Maintenance	430-00	\$ 49,440	\$ 60,134	\$ 70,000	\$ 64,515	\$ 70,000	\$ 75,000	\$ 77,000	\$ 79,000	\$ 81,000
Inventory Disposal	409-00		\$ 1,276		\$ 338					
Inventory Shrinkage/(Overage)		\$ -	\$ 7,952		\$ -					
SCADA - Telemetry & Signal	445-00	\$ 7,687	\$ 3,619	\$ 10,000	\$ 4,095	\$ 10,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
SCADA Hardware	445-14	\$ 11,182	\$ 1,832	\$ 6,000	\$ 692	\$ 6,000	\$ 8,000	\$ 9,000	\$ 10,000	\$ 11,000
SCADA Software	445-15	\$ -	\$ 16,522	\$ 13,000	\$ -	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
SCADA - Communications	445-16	\$ 1,431	\$ 1,505	\$ 2,500	\$ 1,321	\$ 2,500	\$ 3,000	\$ 3,500	\$ 4,000	\$ 4,500
Lab & Sampling	428-00	\$ 93,575	\$ 51,649	\$ 65,000	\$ 55,811	\$ 65,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000
Chlorine & Treatment	429-00	\$ 72,859	\$ 66,968	\$ 71,000	\$ 58,701	\$ 65,000	\$ 67,000	\$ 69,000	\$ 78,000	\$ 80,000
TOTAL PLANT WATER OPERATION		\$ 421,450	\$ 326,987	\$ 356,800	\$ 316,721	\$ 355,800	\$ 371,000	\$ 384,700	\$ 403,900	\$ 415,800
DISTRIBUTION SYSTEM EXPENSES										
Backflow Expense	410-00	\$ 331	\$ 460	\$ 500	\$ 907	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Maintenance	423-00	\$ 55,643	\$ 28,705	\$ 51,000	\$ 8,607	\$ 52,000	\$ 53,000	\$ 54,000	\$ 55,000	\$ 56,000
Pipelines - Paving	423-07	\$ 19,030	\$ 22,074	\$ 20,000	\$ 20,783	\$ 20,000	\$ 21,000	\$ 22,000	\$ 23,000	\$ 24,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	423-08	\$ 9,939	\$ 17,298	\$ 13,000	\$ 13,829	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000	\$ 18,000
Pipelines - Leak Detection/Leak Repair	423-09	\$ 550	\$ 2,673	\$ 25,000	\$ 1,730	\$ 25,000	\$ 5,000	\$ 25,000	\$ 5,000	\$ 6,000
Pipelines - Trench Plate Rentals	423-10	\$ 4,373	\$ 2,008	\$ 2,500	\$ 703	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,000
Pipelines - Water Sampling Stations	423-11	\$ 1,252	\$ -	\$ 500	\$ -	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Valves	423-12	\$ -	\$ 1,750	\$ 4,000	\$ -	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000	\$ 9,000
Reservoir - Maintenance	424-00	\$ 73,564	\$ 58,220	\$ 80,000	\$ 217,152	\$ 80,000	\$ 77,000	\$ 80,000	\$ 83,000	\$ 86,000
Reservoir - Landscape	424-06	\$ 14,752	\$ 25,600	\$ 17,000	\$ 12,994	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000	\$ 21,000
Meters - Maintenance	425-00	\$ 265,372	\$ 277,558	\$ 250,000	\$ 141,240	\$ 250,000	\$ 225,000	\$ 185,000	\$ 185,000	\$ 185,000
Meters - Paving	425-07	\$ 186,142	\$ 254,427	\$ 230,000	\$ 170,273	\$ 230,000	\$ 230,000	\$ 235,000	\$ 240,000	\$ 240,000
Meters - Repair/Replacement/Upgrade	425-08	\$ 4,823	\$ 731	\$ 10,000	\$ 851	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Meters - Lateral Leaks	425-09	\$ 58,875	\$ 45,285	\$ 76,000	\$ 38,643	\$ 65,000	\$ 65,000	\$ 66,000	\$ 67,000	\$ 68,000
Meters - Trench Plate Rentals	425-10	\$ 3,420	\$ 1,855	\$ 2,000	\$ 10,993	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Meters - D-jobs		\$ 101,219	\$ 12,286	\$ 8,000	\$ 36,126	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 10,000
Wells - Maintenance	432-00	\$ 54,389	\$ 5,688	\$ 45,000	\$ 72,855	\$ 45,000	\$ 33,000	\$ 37,000	\$ 41,000	\$ 44,000
Wells - Landscape	432-06	\$ 3,360	\$ 7,832	\$ 5,000	\$ 3,017	\$ 5,000	\$ 5,000	\$ 6,000	\$ 6,000	\$ 6,000
Wells - Rent	432-07	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300
GWP - Land Lease			\$ 15,036		\$ 15,036	\$ 15,726	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000
Booster Pump - Maintenance	433-00	\$ 18,453	\$ 54,365	\$ 57,000	\$ 97,932	\$ 57,000	\$ 63,000	\$ 72,000	\$ 77,000	\$ 82,000
Emergency Generators	434-00	\$ 21,348	\$ 15,154	\$ 22,500	\$ 15,271	\$ 22,500	\$ 23,000	\$ 23,500	\$ 24,000	\$ 24,500
Auto/Truck - Maintenance	426-00	\$ 72,212	\$ 68,051	\$ 55,000	\$ 70,009	\$ 65,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 72,000
Auto/Truck - Gas	426-15	\$ 21,008	\$ 14,955	\$ 20,000	\$ 15,340	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 22,000
Auto/Truck - Diesel	426-16	\$ 18,566	\$ 15,055	\$ 18,000	\$ 14,655	\$ 18,500	\$ 19,000	\$ 19,500	\$ 20,000	\$ 20,500
TOTAL DISTRIBUTION SYSTEM EXPENSES		\$ 1,008,921	\$ 947,366	\$ 1,012,300	\$ 979,246	\$ 1,038,526	\$ 993,300	\$ 1,005,800	\$ 1,012,300	\$ 1,033,300

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft V.01

		2		1			1	2	3	4	5
Description	Account No.	Recorded FY 2014-15	Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
GENERAL AND ADMINISTRATIVE EXPENSES			-								
General Liability Insurance	472-00	\$ 44,131	\$ 50,444		\$ 56,000	\$ 52,925	\$ 53,000	\$ 56,000	\$ 59,000	\$ 62,000	\$ 65,000
Accounting - Audit	458-00	\$ 11,515	\$ 10,940		\$ 13,000	\$ 12,000	\$ 11,000	\$ 11,000	\$ 12,000	\$ 12,500	\$ 13,000
Legal Consulting Fees	457-00	\$ 85,614	\$ 75,684		\$ 47,000	\$ 46,350	\$ 49,000	\$ 51,000	\$ 53,000	\$ 55,000	\$ 57,000
Administrative Consultants	470-00	\$ 73,932	\$ 81,820		\$ 130,000	\$ 49,094	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 100,000
Election Expense	460-00	\$ -	\$ 41		\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ 50,000	\$ -
Office Maintenance	405-01	\$ 9,652	\$ 9,263		\$ 12,000	\$ 12,981	\$ 12,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Landscape Maintenance - Office	406-01	\$ 6,631	\$ 4,541		\$ 7,500	\$ 5,759	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500
Office Supplies & Misc Expenses - Office	455-01	\$ 5,041	\$ 5,287		\$ 5,500	\$ 4,364	\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500
Computers & Network (previously Computer Hardware)	453-01	\$ 24,719	\$ 23,480		\$ 25,000	\$ 20,997	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Computer Software, Maintenance, Licenses		\$ 19,353	\$ 65,578		\$ 50,000	\$ 33,176	\$ 53,000	\$ 53,000	\$ 54,000	\$ 55,000	\$ 56,000
Utilities - Office	404-01	\$ 19,978	\$ 21,381		\$ 21,000	\$ 19,068	\$ 21,000	\$ 21,500	\$ 22,000	\$ 22,500	\$ 23,000
Enterprise Voice Communications	443-01	\$ 25,463	\$ 40,395		\$ 40,000	\$ 42,382	\$ 40,000	\$ 41,000	\$ 42,000	\$ 43,000	\$ 44,000
Data Communications - Fiber Lines/Internet		\$ -	\$ 47,963		\$ 49,000	\$ 50,023	\$ 49,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Wireless Voice & Data Communications-cell	444-01	\$ 5,670	\$ 13,802		\$ 14,000	\$ 15,841	\$ 14,000	\$ 15,000	\$ 15,500	\$ 16,000	\$ 16,500
Printing, Postage, Stationery, Copier Maint.	456-01	\$ 43,423	\$ 40,413		\$ 37,500	\$ 35,937	\$ 36,000	\$ 36,500	\$ 37,000	\$ 38,000	\$ 39,000
Uncollectible Accounts-Water	463-00	\$ 9,312	\$ 4,503		\$ 3,500	\$ 3,926	\$ 4,000	\$ 3,500	\$ 4,500	\$ 4,000	\$ 4,500
Water System Fees (DHS, RWQCB, LAFCO, Misc)	465-00	\$ 46,503	\$ 49,690		\$ 50,000	\$ 37,308	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Engineering Department	473-00	\$ 10,660	\$ 10,012		\$ 11,000	\$ 10,291	\$ 11,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Water Conservation	481-00	\$ 22,848	\$ 31,855		\$ 30,000	\$ 18,898	\$ 30,000	\$ 31,000	\$ 32,000	\$ 33,000	\$ 34,000
Pipeline/Advertising - Water Conservation	481-30	\$ 1,309	\$ 2,733		\$ 2,500	\$ 2,124	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Turf Rebates - Water Conservation	481-31	\$ 109,470	\$ 33,450		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Device Rebates - Water Conservation	481-33	\$ 3,775	\$ 1,820		\$ 5,000	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Community Outreach		\$ 534	\$ 7,745		\$ 12,000	\$ 4,234	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 12,000
Training - Office	407-01	\$ 3,271	\$ 3,189		\$ 3,500	\$ 3,178	\$ 4,000	\$ 4,500	\$ 5,000	\$ 5,500	\$ 6,000
Conferences and Seminars - Office	408-01	\$ 7,518	\$ 7,377		\$ 9,000	\$ 7,846	\$ 9,000	\$ 10,000	\$ 11,000	\$ 12,000	\$ 13,000
Board of Directors - Conferences and Seminars	408-05	\$ 2,265	\$ 7,179		\$ 5,000	\$ 2,285	\$ 5,000	\$ 5,000	\$ 5,500	\$ 6,000	\$ 6,500
Misc Administration - Office	461-01	\$ 5,292	\$ 3,662		\$ 5,000	\$ 6,271	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Board of Directors - Misc Administration	461-05	\$ 1,758	\$ 1,158		\$ 2,000	\$ 2,208	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Membership Renewals/Subscriptions		\$ 22,893	\$ 19,708		\$ 22,000	\$ 30,339	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Bank Charges	485-00	\$ 14,971	\$ 20,271		\$ 21,500	\$ 22,409	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ 27,000
Rental Property		\$ 2,314	\$ 1,689		\$ 2,500	\$ 8,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES		\$ 667,780	\$ 697,387		\$ 692,000	\$ 560,213	\$ 694,000	\$ 756,000	\$ 732,000	\$ 801,500	\$ 744,500
Emergency Operations	7	\$ -	\$ 276		\$ 2,000	\$ -	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000
EMERGENCY OPERATIONS		\$ -	\$ 276		\$ 2,000	\$ -	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000
TOTAL EXPENSE		\$ 4,884,300	\$ 4,680,487		\$ 5,020,100	\$ 4,770,935	\$ 5,183,326	\$ 5,127,300	\$ 5,181,500	\$ 5,330,700	\$ 5,382,600
Total O & M Expense (w/o Labor & Benefits)		\$ 2,098,151	\$ 1,972,016		\$ 2,063,100	\$ 1,856,180	\$ 2,090,326	\$ 2,122,300	\$ 2,125,500	\$ 2,220,700	\$ 2,196,600

Water Budget Table WB-5 Water - Purchase Water & Power - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Purchased Water - FWMD (ac-ft)	1,875	1,573	1,195	2,000	2,000	1,910	1,880	1,955	2,050
Projected FMWD Cost	\$ 2,741,033	\$ 2,454,591	\$ 2,099,400	\$ 2,963,900	\$ 3,084,100	\$ 3,217,300	\$ 3,182,800	\$ 3,394,700	\$ 3,658,000
Purchased Water - GWP (ac-ft)	0	169	555	370	450	505	600	600	600
Projected GWP Cost	\$ -	\$ 49,036	\$ 231,435	\$ 154,290	\$ 207,000	\$ 232,300	\$ 277,200	\$ 269,400	\$ 285,000
Purchased Power Cost	\$ 682,044	\$ 673,699	\$ 695,000	\$ 692,316	\$ 692,000	\$ 714,000	\$ 735,000	\$ 757,000	\$ 776,000
SCE	\$ 296,387	\$ 268,287	\$ 265,000	\$ 266,834	\$ 266,834	\$ 274,839	\$ 283,084	\$ 291,577	\$ 298,866
Glendale	\$ 388,734	\$ 405,648	\$ 430,000	\$ 426,334	\$ 426,334	\$ 439,124	\$ 452,297	\$ 465,866	\$ 477,513
Constellation Credit	\$ (3,077)	\$ (235)	\$ (500)	\$ (852)	\$ (852)	\$ -	\$ -	\$ -	\$ -
% Increase/Decrease - Import Water Cost	-13.0%	-10.5%	-13.0%	18.6%	4.1%	4.3%	-1.1%	6.7%	7.8%
% Increase/Decrease - Power Cost	1.4%	-1.2%	3.1%	2.7%	0.0%	3.0%	3.0%	3.0%	2.5%
Power cost/ac-ft	\$170	\$192	\$188	\$181	\$171	\$169	\$166	\$163	\$158

Water Budget Table WB - 6 Water Capital Outlay & Equipment - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Spring Brook Software - Fixed Assets			\$ 11,250		\$ 11,250				
Spring Brook Software - Payroll Module						\$ 18,750			
Spring Brook Software - Work Order Module							\$ 26,250		
Spring Brook Software - Project Management Module								\$ 15,000	
Spring Brook Software - Extend Budget Module									\$ 15,000
Software (Document/Billing Process Design)									
Upgrade SCADA Equipment (SCADA 1A & 1B)									
Upgrade Computer Hardware & Security			\$ 30,000	\$ 4,261	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 20,000
Main Office - Seismic Upgrades			\$ 15,000		\$ 15,000				
Main Office - Upgrades			\$ 20,000		\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 15,000
Misc.			\$ 3,750		\$ 3,750	\$ 6,250	\$ 4,750	\$ 5,000	\$ 5,000
CO Total	\$ -	\$ -	\$ 80,000	\$ 4,261	\$ 80,000	\$ 75,000	\$ 81,000	\$ 65,000	\$ 55,000
Capital - Equipment									
Water Quality - 5 Chlorine Analyzers									
Pipe Tool	\$ 7,721								
Portable Light Tower				\$ 8,077					
Vehicle Replacement - Unit 5									
Vehicle Replacement - Unit 7									
Vehicle Replacement - Unit 12									
Vehicle Replacement - Unit 46	\$ 90,546								
Vehicle Replacement - Unit 47	\$ 51,975								
Vehicle Replacement - Unit 48		\$ 26,180							
Vehicle Replacement - Unit 1			\$ 30,000	\$ 30,000		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
CE Total	\$ 150,242	\$ 26,180	\$ 30,000	\$ 38,077	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
CO & CE - Total	\$ 150,242	\$ 26,180	\$ 110,000	\$ 42,338	\$ 80,000	\$ 150,000	\$ 156,000	\$ 140,000	\$ 130,000

Water Budget Table WB -7 Water - Capital Improvement Projects - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Water Supply	\$ 545,588	\$ 1,644,306	\$ 840,000	\$ 496,000	\$ 840,000	\$ 805,000	\$ 600,000	\$ 500,000	\$ 500,000
Water Storage	\$ 172,335		\$ 320,000	\$ -	\$ 680,000	\$ 320,000	\$ 400,000	\$ 400,000	\$ 400,000
Water Distribution	\$ 1,143,405	\$ 819,708	\$ 1,365,000	\$ 1,382,900	\$ 1,365,000	\$ 1,395,000	\$ 1,245,000	\$ 1,350,000	\$ 1,550,000
Water Treatment	\$ -	\$ 380,203	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000
Technology	\$ 25,524	\$ 96,879	\$ 200,000	\$ 55,000	\$ 200,000	\$ 205,000	\$ 430,000	\$ 350,000	\$ -
Public Safety/Emergency Response	\$ 93,754		\$ 75,000	\$ 79,300	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -
Facilities & Planning	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 275,000
Total CIP	\$ 1,980,606	\$ 2,941,096	\$ 2,800,000	\$ 2,013,200	\$ 3,160,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000

Water Budget Table WB - 8 Water Reserve Targets - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Rate stabilization (a)	\$ 1,649,000	\$ 1,488,000	\$ 1,565,000	\$ 1,750,000	\$ 2,039,000	\$ 2,280,000	\$ 2,576,000	\$ 2,895,000	\$ 3,048,000
Emergency fund (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
Labor & benefits	\$ 2,786,149	\$ 2,708,472	\$ 2,957,000	\$ 2,914,755	\$ 3,093,000	\$ 3,005,000	\$ 3,056,000	\$ 3,110,000	\$ 3,186,000
Power	\$ 682,044	\$ 673,699	\$ 695,000	\$ 692,316	\$ 692,000	\$ 714,000	\$ 735,000	\$ 757,000	\$ 776,000
Operating expenses	\$ 2,098,151	\$ 1,972,016	\$ 2,072,600	\$ 1,856,180	\$ 2,090,326	\$ 2,122,300	\$ 2,125,500	\$ 2,220,700	\$ 2,196,600
O & M Costs	\$ 5,566,344	\$ 5,354,187	\$ 5,724,600	\$ 5,463,251	\$ 5,875,326	\$ 5,841,300	\$ 5,916,500	\$ 6,087,700	\$ 6,158,600
Working cash (c)	\$ 927,724	\$ 892,364	\$ 954,100	\$ 910,542	\$ 979,221	\$ 973,550	\$ 986,083	\$ 1,014,617	\$ 1,026,433
Total target cash reserves	\$ 3,327,000	\$ 3,130,000	\$ 3,269,000	\$ 3,411,000	\$ 3,768,000	\$ 4,004,000	\$ 4,312,000	\$ 4,660,000	\$ 4,824,000

Note:

- a. Rate stabilization reserves are based on 25 percent of total water commodity sales
- b. Emergency reserves equal \$750,000.
- c. Working cash is based on two months of O&M less purchased water

Water Budget Table WB - 8A MTBE Fund Reserve - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
MTBE - Income									
MTBE Settlement	\$ -	\$ 6,390	\$ -	\$ 24,010	\$ -	\$ -	\$ -	\$ -	\$ -
Repayment from CVWD General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
MTBE - Income from Sale of Investments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Income	\$ -	\$ 6,390	\$ -	\$ 24,010	\$ -	\$ -	\$ -	\$ -	\$ 500,000
MTBE - Expense									
Transfer to CVWD General Fund	\$ -	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
Lab Expense	\$ 43,798	\$ 27,156	\$ 35,000	\$ 22,986	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 25,000
Labor Expense	\$ -	\$ -	\$ 8,000	\$ -	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 6,000
Administrative Consultant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -
Total Expense	\$ 43,798	\$ 2,027,156	\$ 1,043,000	\$ 1,022,986	\$ 1,043,000	\$ 43,000	\$ 43,000	\$ 118,000	\$ 31,000
Increase (Decrease) to Fund	\$ (43,798)	\$ (2,020,766)	\$ (1,043,000)	\$ (998,976)	\$ (1,043,000)	\$ (43,000)	\$ (43,000)	\$ (118,000)	\$ 469,000
MTBE Reserve Fund									
FY Begin Available MTBE Reserve Funds	\$ 8,880,019	\$ 8,836,221	\$ 6,815,455	\$ 6,815,455	\$ 5,816,479	\$ 4,773,479	\$ 4,730,479	\$ 4,687,479	\$ 4,569,479
FY End Available MTBE Reserve Funds	\$ 8,836,221	\$ 6,815,455	\$ 5,772,455	\$ 5,816,479	\$ 4,773,479	\$ 4,730,479	\$ 4,687,479	\$ 4,569,479	\$ 5,038,479

Note:

a. Interest Income based on 1% annual rate of return on investment

Water Budget Table WB-9 - Total Sources - FY 17/18 - Draft V.01

	2	1			1	2	3	4	5
	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
REVENUE									
Service Readiness Charge Revenue	\$ 1,828,481	\$ 1,949,220	\$ 2,247,000	\$ 2,283,849	\$ 2,441,000	\$ 2,626,000	\$ 2,827,000	\$ 3,029,000	\$ 3,033,000
Metered sales of water (CVWD Costs)	\$ 4,162,173	\$ 5,952,066	\$ 6,953,000	\$ 6,998,561	\$ 8,157,000	\$ 9,121,000	\$ 10,303,000	\$ 11,580,000	\$ 12,190,000
Required metered sales of water (FMWD Costs)	\$ 2,432,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income - Water Reserves	\$ 91,782	\$ 188,668	\$ 163,000	\$ 167,609	\$ 190,000	\$ 150,000	\$ 146,000	\$ 160,000	\$ 186,000
Interest Income - MTBE Reserves	\$ 103,000	\$ -	\$ 77,000	\$ 115,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000	\$ 75,000
Source of Funds - Other Sources	\$ 221,080	\$ 258,763	\$ 146,000	\$ 242,990	\$ 149,683	\$ 153,683	\$ 160,683	\$ 166,733	\$ 173,733
Sources of Funds - CIP Sources	\$ 238,461	\$ 872,193	\$ 1,225,450	\$ 1,133,345	\$ 765,845	\$ 730,475	\$ 410,300	\$ 390,000	\$ 400,000
Transfer from MTBE Fund for PERS Side Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from Wastewater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drought Surcharge			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL REVENUE	\$ 9,077,276	\$ 9,220,909	\$ 10,811,450	\$ 10,941,354	\$ 11,770,528	\$ 12,850,158	\$ 13,917,983	\$ 15,398,733	\$ 16,057,733
OPERATIONS & MAINTENANCE (O & M) EXPENSE									
Labor & Benefits	\$ 2,786,149	\$ 2,708,472	\$ 2,957,000	\$ 2,914,755	\$ 3,093,000	\$ 3,005,000	\$ 3,056,000	\$ 3,110,000	\$ 3,186,000
Purchased Water (FMWD)	\$ 2,741,033	\$ 2,454,591	\$ 2,099,000	\$ 2,963,900	\$ 3,084,000	\$ 3,217,000	\$ 3,183,000	\$ 3,395,000	\$ 3,658,000
Purchased Water (GWP)	\$ -	\$ -	\$ 231,000	\$ 154,290	\$ 207,000	\$ 232,000	\$ 277,000	\$ 269,000	\$ 285,000
Power	\$ 682,044	\$ 673,699	\$ 695,000	\$ 692,316	\$ 692,000	\$ 714,000	\$ 735,000	\$ 757,000	\$ 776,000
Operating expenses	\$ 2,098,151	\$ 1,972,016	\$ 2,063,100	\$ 1,856,180	\$ 2,090,326	\$ 2,122,300	\$ 2,125,500	\$ 2,220,700	\$ 2,196,600
Total O & M Expense	\$ 8,307,377	\$ 7,808,777	\$ 8,045,100	\$ 8,581,441	\$ 9,166,326	\$ 9,290,300	\$ 9,376,500	\$ 9,751,700	\$ 10,101,600
Debt Service (principal & interest)	\$ 612,454	\$ 613,022	\$ 614,000	\$ 614,038	\$ 613,838	\$ 613,238	\$ 612,238	\$ 615,481	\$ 613,106
Total O & M Expense + Debt Service	\$ 8,919,831	\$ 8,421,799	\$ 8,659,100	\$ 9,195,479	\$ 9,780,164	\$ 9,903,538	\$ 9,988,738	\$ 10,367,181	\$ 10,714,706
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	\$ 157,445	\$ 799,110	\$ 2,152,350	\$ 1,745,875	\$ 1,990,365	\$ 2,946,621	\$ 3,929,246	\$ 5,031,552	\$ 5,343,027
CAPITAL OUTLAY, LIABILITIES and CAPITAL PROJECTS									
Capital Outlay & Equipment	\$ 150,242	\$ 26,180	\$ 110,000	\$ 42,338	\$ 80,000	\$ 150,000	\$ 156,000	\$ 140,000	\$ 130,000
Re-Payment to MTBE Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Future Liability (OPEB)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Capital Improvements (pay-as-you-go)	\$ 1,981,000	\$ 2,941,000	\$ 2,800,000	\$ 2,013,200	\$ 3,160,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000
Total - Capital Outlay, CIP, CIP Fund & Future Liability	\$ 2,291,609	\$ 3,127,547	\$ 3,010,000	\$ 2,155,538	\$ 3,340,000	\$ 3,050,000	\$ 3,056,000	\$ 3,040,000	\$ 3,530,000
INCREASE (DECREASE) TO CASH	\$ (2,134,165)	\$ (2,328,437)	\$ (857,650)	\$ (409,663)	\$ (1,349,636)	\$ (103,380)	\$ 873,246	\$ 1,991,552	\$ 1,813,027
FY begin available Water Reserves	\$ 5,512,136	\$ 4,048,384	\$ 3,719,947	\$ 3,719,947	\$ 4,310,284	\$ 2,960,649	\$ 2,857,269	\$ 3,730,515	\$ 5,722,067
Transfer In from MTBE Reserves		\$ 2,000,000	\$ 1,000,000	\$ 1,000,000					
FY End Water Reserves	\$ 3,377,971	\$ 3,719,947	\$ 3,862,298	\$ 4,310,284	\$ 2,960,649	\$ 2,857,269	\$ 3,730,515	\$ 5,722,067	\$ 7,535,093
Reconciliation	\$ 670,413		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY End Water Reserves	\$ 4,048,384	\$ 3,719,947	\$ 3,862,298	\$ 4,310,284	\$ 2,960,649	\$ 2,857,269	\$ 3,730,515	\$ 5,722,067	\$ 7,535,093
TOTAL TARGET WATER CASH RESERVES	\$ 3,327,000	\$ 3,130,000	\$ 3,269,000	\$ 3,411,000	\$ 3,768,000	\$ 4,004,000	\$ 4,312,000	\$ 4,660,000	\$ 4,824,000
Above or (below) Target Reserves	\$ 721,384	\$ 589,947	\$ 593,298	\$ 899,284	\$ (807,351)	\$ (1,146,731)	\$ (581,485)	\$ 1,062,067	\$ 2,711,093
Effective date of water rates	7/1/14	7/1/15	7/1/16	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20	7/1/21
Projected Rate Increase for Service Charge	5.8%	5.7%	7.5%	7.5%	7.2%	7.4%	7.5%	7.0%	0.0%
Service rates (\$/month for 3/4" meter)	\$18.10	\$19.10	\$20.53	\$20.53	\$22.00	\$23.60	\$25.40	\$27.20	\$27.20
Projected Rate Increase for Quantity Charge	5.8%	5.7%	5.2%	5.2%	7.2%	7.4%	7.5%	7.0%	0.0%
Quantity Charge: (\$/kgal)	\$5.64	\$5.96	\$6.27	\$6.27	\$6.72	\$7.22	\$7.76	\$8.30	\$8.30
FMWD Quantity Charge: (\$/kgal)	\$2.03								
CVWD Quantity Charge: (\$/kgal)	\$3.61	\$5.96	\$ 6.27	\$6.27	\$6.72	\$7.22	\$7.76	\$8.30	\$8.30

Legend

Blue - Recorded Revenues & Expenses

Brown - Previous Year Budget & Projected End of Year

\$ 6.72 \$ 7.76 \$ 8.30
\$22.00 \$23.60 \$25.40 \$27.20

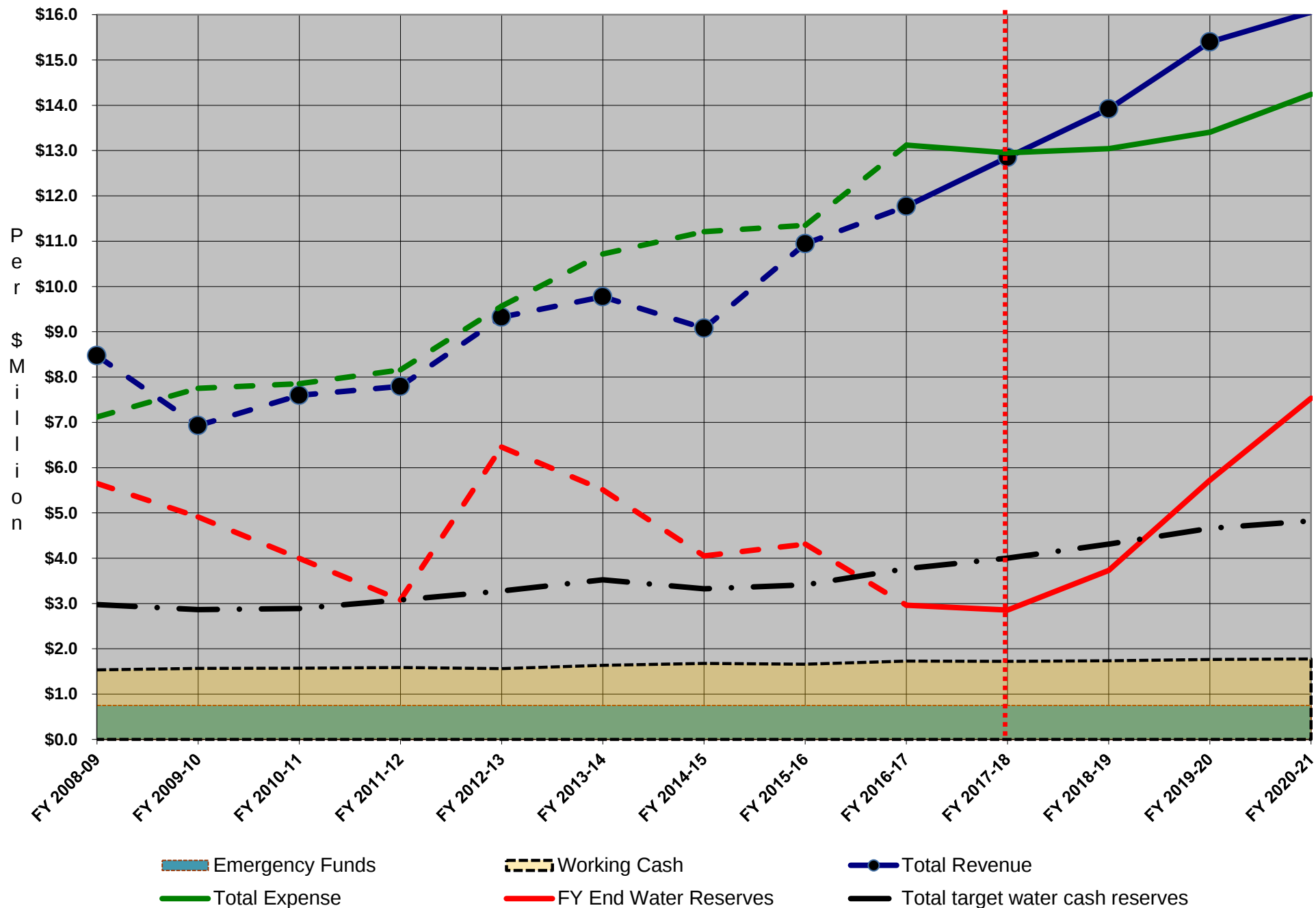
Black - Budget Revenues & Expenses

Green - Forcast Revenues & Expenses

Crescenta Valley Water District

Budget - FY 17/18 - Preliminary v1

Water Expense vs. Revenue Summary



CVWD Rental Properties

Financial Review as of February 2017

	5617-003-020 <u>2857 Sycamore</u>	5607-017-067 <u>3935 Pennsylvania</u>
Acquisition Date	Sep. 2011	July 2007
Acquisition Cost	\$ 317,500	\$ 365,000
Approximate Current Value as of 2/6/2017	\$ 622,000	\$ 448,000
Change in Value	\$ 304,500	\$ 83,000
<u>Rental Income</u>		
FY 2012-16	\$ 73,000	\$ 43,750
FY 2017 to date	\$ 9,300	\$ 6,000
Total Income	\$ 82,300	\$ 49,750
<u>Rental Expense</u>		
FY 2012-16	\$ 891	\$ 10,855
FY 2017 to date	\$ 6,480	\$ 3,426
Total Expense	\$ 7,371	\$ 14,281
Property Taxes	\$ 19,603	\$ -

CRESCENTA VALLEY WATER DISTRICT

MEMORANDUM

DATE: February 24, 2017
TO: Policy Committee Meeting File
FROM: Ron L. Mitchell

Following is a summary of the Finance Committee Meeting held at 9:00 am on February 24, 2017, at the CVWD main office, and was attended by the following:

Director James Bodnar - Committee Chairperson	CVWD
Director Kerry Erickson - Committee Member	CVWD
Thomas A. Love – General Manager	CVWD
Ron L. Mitchell – Secretary-Treasurer	CVWD
Mark E. Hass – I T Manager	CVWD

1. Review of draft Electronic Use Policy

Mr. Hass provided the Committee a memorandum that outlines a more comprehensive draft Electronic Use Policy (EUP). Mr. Hass told the Committee that the existing EUP was written approximately 10 years ago, and with technological advances over the last few years, a much more comprehensive policy is needed to protect the District and its assets.

The Committee asked several questions about specific areas of the policy that included use of personal equipment for District business at home, cellphone usage, retention of computer files, backup policies, recovery policies, Wi-Fi/blue tooth issues, and website access. The Committee had some suggestions for language changes to the policy and expressed pleasure over the draft. Mr. Hass gave an overview of the redundancies that have been built into the computer network to facilitate recovery of files in the case of a disaster.

The Committee reviewed exhibits about the system and the scope for a future presentation on this subject to the full Board on information technology procedures, policies, and emergency planning.

The meeting adjourned at 10:15 a.m.

CRESCENTA VALLEY WATER DISTRICT

2700 FOOTHILL BOULEVARD
LA CRESCENTA, CALIFORNIA

Agenda for the
Meeting of the Policy Committee
of the Crescenta Valley Water District
To be held on Friday, February 24th, 2017 at 9:00 AM

Posted on January 22nd 2017 at 3:30 p.m.

Call to Order

Adoption of Agenda

Public Comments

At this time members of the public shall have an opportunity to address the committee on items of interest that are within the subject matter jurisdiction of the Committee. This opportunity is non-transferable and speakers are limited to three (3) minutes each.

Action Calendar

1. Review of draft Electronic Use Policy
2. Review of exhibits and scope for future presentation on Information Technology procedures, policies and emergency planning.

Committee Member's Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

February 22 2017

To: Policy Committee
From: Mark E. Hass – IT Manager
Subject: **Discussion of Draft Electronic Use Policy and Future Technology Presentation**

1. Discussion of Director Erickson's request to have a presentation on current state of IT and related systems, their disaster recovery plans, documentation and budget planning.

- A. Review of "Electronic Use" Policy (EUP) draft. Staff requests feedback and direction of any topics beyond what is currently being addressed in the working revision of the EUP. (See Electronic Use Policy_draftv8 – attached)
- B. Review of exhibits and information included in presentation. Discussion with Directors on scope of presentation and a possible "closed session" portion to discuss confidential security aspects of the District's "Disaster Recovery and Prevention" plan.

Topics proposed for the presentation for the complete Board of Directors are:

- Disaster Recovery Basic Workflow (attached)
- Basic Network Flow Summary A (attached)
- Voice Communications Summary (attached)
- Business and Telemetry Inventory Summary
- Capital and Expense budgets. Future planning scope recommendations for budget discussions.
- Transition process review for unplanned personnel loss including temporary vendor support.
- Asset location review for all technology related components.
- District vulnerability review.
- Explanation of security countermeasures in closed session.

Crescenta Valley Water District Electronic Use Policy

Crescenta Valley Water District (CVWD) has a network and computer system that can provide access to resources internal to the District from within and in some cases remotely as authorized. Access is provided to facilitate work on behalf of the District's business needs and the needs of its customers.

Any access rights or use of District assets or systems requires that individual users act responsibly and within District's policies and rules and regulations established by management and the Board of Directors. Users must respect the rights of other users, respect the rights of customers, respect the integrity of the systems and related physical resources, and observe all relevant laws, regulations, handbooks, MOUs and contractual obligations.

District, employee, and public concerns on safety, privacy, and professional work environment should be addressed and reasonable safeguards should be in place both physically and by policy including electronic and computer related activities and systems.

Index

1. Overview
2. Purpose
3. Scope
4. Policy
5. Rights of Employees
6. Compliance
7. Glossary of Terms
8. Review and Frequency

1. Overview

The District's intentions for publishing an Electronic Use Policy are to define responsibilities of the employees, management, Board of Directors, and those acting as delegates of the District.

Crescenta Valley Water District is committed to protecting Board Members, employees, customers and the District's assets and systems from illegal or damaging actions by individuals or companies, either knowingly or unknowingly.

Internet/Intranet/Extranet-related systems, including but not limited to computer equipment, controllers, voicemail, mobile devices, cameras, software, operating systems, storage media, network accounts and their associated electronic mail, web browsing, web sites, and files, are the property of Crescenta Valley Water District. These systems are to be used for business purposes only in serving the interests of the District and of our customers in the course of normal operations.

Effective security is a team effort involving the participation and support of every Crescenta Valley Water District employee who deals with information and/or information systems connected devices. It is the responsibility of every individual user to know these guidelines and policies and to conduct their activities accordingly.

2. Purpose

The purpose of this policy is to outline the acceptable use of computer and electronic equipment at Crescenta Valley Water District. These rules are in place to protect the Board members, employees and its customers. Inappropriate use exposes Crescenta Valley Water District to risks including virus attacks, compromise of network systems and services, loss of data, exposure of sensitive information, and potential legal issues.

3. Scope

This policy applies to the use of information, electronic and computing devices, and network resources to conduct Crescenta Valley Water District business or interact with internal networks and business systems, whether owned or leased by Crescenta Valley Water District, the employee.

Employees, contractors, consultants, temporary employees, and other personnel at Crescenta Valley Water District are responsible for exercising good judgment regarding appropriate use of information, electronic and computing devices, and network resources in accordance with District policies and rules and regulations, and federal and state laws and regulations.

4. Policy

4.1 General Use and Responsibility of Employees

- 4.1.1 Employees have a responsibility to promptly report the theft, loss, or unauthorized disclosure of Crescenta Valley Water District files, equipment, or security information (including user accounts or passwords). Employees learning of any unacceptable use of any District systems or violations of this policy should notify their supervisor or management immediately.
- 4.1.2 Employees may access or use Crescenta Valley Water District information only to the extent it is authorized and necessary to fulfill your assigned job duties. Exceptions shall be authorized by management policies and memos.
- 4.1.3 Employees are responsible for exercising good judgment regarding the reasonableness of personal use. Management is responsible for creating guidelines beyond this document concerning personal use of information, electronic and computing devices, and network resources. In the absence of such policies or if there is any uncertainty, employees should consult their supervisor or manager.
- 4.1.4 For security and computer network maintenance purposes, authorized individuals within Crescenta Valley Water District may monitor equipment, systems, and network traffic at any time per the District's "Electronic Use Policy".
- 4.1.5 Crescenta Valley Water District reserves the right to audit District networks, workstations and appliances on a periodic basis to ensure compliance with this policy. All systems are subject to logging of activities and recording of activities (with the exception of audio) noted in section 4.3.
- 4.1.6 Employee personal use for personal reasons is permissible only within reasonable limits. Employees should not exceed whatever their supervisor allows or common practice of what "reasonable time" is. Employees should remember that all e-mail messages, voicemail, or any other information stored, compiled, or collected on computers, computer disks, databases, hard drives, networks or otherwise ("Electronic Information") are the property of the District and the District may use, inspect, destroy, delete, publish or otherwise dispose of such Electronic Information as the District determines to be in the District's best interest.

- 4.1.7 Printing, copying, and using other physical media for personal reasons should be limited. Any bulk or on-going use of printing and/or copying media (such as toner or paper) for non-District related business will not occur unless pre-approved by management.
- 4.1.8 Any employee personal storage (such as USB sticks, CD/DVDs, portable hard drives, and shared connections like “Dropbox”, “OneDrive” and “Google Drive”) will be scanned upon connection to the District’s network resources. Any loss or changes made to personal files due to “quarantine” or removal is at the user’s risk.
- 4.1.9 Guest Wi-Fi networks are offered to Board members, employees, consultants, contractors, and other temporary non-district visitors. Professional practices should be observed on guest networks such that they do not co-mingle with secure District resources. Access will only be granted to guest network by permission of supervisors, management, or the IT Department for non-employees.

4.2 Security and Sensitive Information

4.2.1 All mobile and computing devices that connect to the District’s internal network must comply with this *Electronic use policy*. Personal devices granted access will have modified requirements as defined by the IT Department and Management.

4.2.2 System level and user level passwords must comply with current password policies as defined by IT Department procedures. Providing access to another individual user, either deliberately or through failure to secure its access, is strictly prohibited. If certain CVWD business requirements necessitate a password to be shared, it should be reset immediately after completing the associated task or notify your supervisor of the exception.

4.2.3 All computing devices must be secured with a password-protected screensaver with the automatic activation feature set to 30 minutes or less. Employee must lock the screen or log off when the device is unattended.

4.2.4 Postings by employees from a Crescenta Valley Water District e-mail address to a news outlets, social media, or external sites should contain a disclaimer stating that the opinions expressed are strictly their own and not necessarily those of Crescenta Valley Water District, that will be provided by the IT Department, unless the posting is in the course of business duties as authorized by the General Manager. No external social media or communication methods should be established on behalf of the District unless authorized by the IT Department or General Manager.

4.2.5 Employees must use extreme caution when opening e-mail attachments received from unknown senders which may contain malware. If employee believes any links or attachments are suspect, it should be reviewed first by IT Department before opening.

4.3 Audio and Video Recording

Audio recordings may be performed in the course of District business, if all parties are aware of the recording being performed. No publication of recordings externally to the District is authorized, with the exception of public meetings, without approval of the Board of Directors and the General Manager.

Video recordings may be performed in the course of District business as long as the recording are not accomplished in a covert manner and used is for District business, training, or approved publication by the General Manager.

4.3.1 The District will not record audio of employees or visitors via cameras unless a sign is posted and in the course of a public meeting or event that it has been disclosed and pre-approved by all parties. Security cameras will not capture or record audio.

4.3.2 The District will maintain video surveillance systems for the protection of employees, customers, and District assets. Camera locations will be disclosed to employees, however their placement will be at management discretion and be sensitive to privacy and comply with all privacy and labor laws.

4.3.3 Video recording will be used for policy, procedural, and safety compliance and training. Reproduction of video recordings external to the District will occur only in the course of legal actions or authorized activities with approval of the General Manager.

4.4 Unacceptable Use

The following activities are, in general, prohibited. Employees may be exempted from these restrictions during the course of their legitimate job responsibilities (e.g., Authorized IT personnel, consultants, or contractors).

Under no circumstances is an employee of Crescenta Valley Water District authorized to engage in any activity that is illegal under local, state, federal or international law while utilizing Crescenta Valley Water District-owned resources.

The lists below are by no means exhaustive, but attempt to provide a framework for activities which fall into the category of unacceptable use.

4.4.1 System and Network Activities

The following activities are strictly prohibited, with no exceptions:

1. Violations of the rights of any person or company protected by copyright, trade secret, patent, or other intellectual property, or similar laws or regulations, including, but not limited to, the installation or distribution of "pirated" or other software products that are not appropriately licensed for use by Crescenta Valley Water District.
2. Unauthorized copying of copyrighted material including, but not limited to, digitization and distribution of photographs from magazines, books or other copyrighted sources, copyrighted music, and the installation of any copyrighted software for which Crescenta Valley Water District or the end user does not have an active license is strictly prohibited.
3. Accessing District data, a server, or an account for any purpose other than conducting Crescenta Valley Water District business, even if you have authorized access, is prohibited.
4. Exporting software, technical information, encryption software or technology in violation of international or federal or state export control laws is illegal. The appropriate management should be consulted prior to the export of any material that is in question.
5. Introduction of malicious programs into the network or server (e.g., viruses, malware, e-mail phishing links/attachments, etc.).
6. Revealing your account password to others employees or allowing use of your account by others employees. This includes family and other household members when work is being done at home.
7. Using a Crescenta Valley Water District computing asset to actively engage in procuring or transmitting material that is in violation of sexual harassment or hostile workplace laws as set forth by regulations or laws, MOUs, or handbooks.

8. Making fraudulent offers of products, items, or services originating from any Crescenta Valley Water District account.
9. Using District resources to gain unauthorized access to any computer systems.
10. Effecting security breaches or disruptions of network communication, backups, or normal functions. Security breaches include, but are not limited to, accessing data of which the employee is not an intended recipient or logging into a server or account that the employee is not expressly authorized to access, unless these duties are within the scope of regular duties. For purposes of this section, "disruption" includes, but is not limited to, network sniffing, pinged floods, packet spoofing, denial of service, and forged routing information for malicious purposes.
11. Port scanning or security scanning is expressly prohibited and any software/hardware, either District or privately owned, is also only authorized by the IT Manager.
12. Executing any form of network monitoring which will intercept data not intended for the employee's host, unless this activity is being performed by authorized IT personnel or contractors.
13. Circumventing user authentication or security of any host, network, or account.
14. Introducing honeypots, loggers, or similar technology on the Crescenta Valley Water District network except where approved by management in the course of assigned duties.
15. Interfering with or denying service to any user other than the employee's host (for example, denial of service attack on other companies' websites).
16. Using any program/script/command, or sending messages of any kind, with the intent to interfere with, or disable, a user's terminal session, via any means, locally or via the Internet/Intranet/Extranet.
17. Providing information about, or lists of, Crescenta Valley Water District employees to parties outside Crescenta Valley Water District except where required by other agencies or legal requests.
18. Deliberately wasting District network bandwidth, storage, or computing resources.

4.3.2 Email and Communication Activities

When using District resources to access and use the Internet, users must realize they represent the District. Whenever employees state an affiliation to the District, they must also clearly indicate that "the opinions expressed are my own and not necessarily those of the District". Questions may be addressed to the office of the General Manager.

1. Sending unsolicited email messages, including the sending of "junk mail" or other unnecessary material to individuals who did not specifically request such material (email spam).
2. Any form of harassment via email, telephone or paging, whether through language, frequency, or size of messages.

3. Unauthorized use, or forging, of email header information. Representing other agencies or companies without their permission.
4. Solicitation of email for any other email address, other than that of the poster's account, with the intent to harass or to collect replies.
5. Creating or forwarding "chain letters", "Ponzi", or other "pyramid" schemes of any type.
6. Use of unsolicited email originating from within Crescenta Valley Water District's networks of other Internet/Intranet/Extranet service providers on behalf of, or to advertise, any service not hosted by Crescenta Valley Water District or connected via Crescenta Valley Water District's network unless approved by management.
7. Posting the same or similar non-business related messages to large numbers of social media or email recipients (spam).

4.4.3 Social Media and External posting of Information

1. Posting of pictures, information, or activities by employees, whether using Crescenta Valley Water District's property and systems or personal computer systems, is also subject to the terms and restrictions set forth in this Policy during performance or assigned duties.
2. No activities performed in the course of District business will be recorded and reproduced or posted externally without management approval including audio, video, and pictures.
3. Use of Crescenta Valley Water District's systems to engage in blogging/social media is acceptable for business purposes, provided that it is done in a professional and responsible manner, does not otherwise violate Crescenta Valley Water District's policy, is not detrimental to Crescenta Valley Water District's best interests, and does not interfere with an employee's regular work duties. Blogging from Crescenta Valley Water District's systems is also subject to monitoring. Any public facing sites or web blogs posting should be approved by the General Manager or delegate as they could be viewed as formal District opinion or policy.
4. Crescenta Valley Water District's use policy also applies to forum, blogging, and site posting. As such, Employees are prohibited from revealing any District confidential information, customer information, or any other activities being performed during the course of District duties without prior appropriate management permission.
5. Employees shall not engage in any posting to social media or transmitting information that may harm or tarnish the image, reputation, and/or goodwill of Crescenta Valley Water District and/or any of its employees. Employees are also prohibited from making any discriminatory, disparaging, defamatory, or harassing comments when posting or transmitting or otherwise engaging in any conduct prohibited by Crescenta Valley Water District's *Non-Discrimination and Anti-Harassment* policy.
6. Employees may also not attribute personal statements, opinions, or beliefs to Crescenta Valley Water District when engaged in social media or posting of information. If an employee is expressing his or her beliefs and/or opinions in blogs, websites, or social media, the employee may not, expressly or implicitly, represent themselves as an employee or representative of Crescenta Valley Water District. Employees assume any

and all risk associated with related posts and not infer that they are based on District policy or opinion.

7. Apart from following all laws pertaining to the handling and disclosure of sensitive, security or private information, Crescenta Valley Water District's logos and any other Crescenta Valley Water District intellectual property or letterhead, may also not be used in connection with any social media or blogging activity unless operating in an approved role.

5. Rights of employees

5.1 Access to records

Employees may have rights of access to information about themselves contained in computer files, as specified in federal and state laws. The same standard will be met such as paper documents based on all MOUs, Policies, and Rules and Regulations.

5.2.1 Privacy

Files may be subject to search under a court order. In addition, IT Department may access user files as required to protect the integrity of computer systems or on behalf of a management requests. For example, following organizational guidelines, IT Department may access or examine files or accounts that are suspected of unauthorized use or misuse, or that have been corrupted or damaged. This also includes other systems such as email, voicemail, video, and call logs (both landlines and District provided wireless devices).

5.2.2 All employee records or sensitive information will be protected from unauthorized parties access or review. All standards at District, State, and Federal levels will be adhered to as responsible custodians of personnel records.

6. Policy Compliance

6.1 Compliance Measurement

The IT Department will verify compliance to this policy through various methods, including but not limited to, business tool reports, internal and external audits, and feedback from employees, consultants, contractors and customers.

6.2 Exceptions

Any exception to the policy must be approved by the IT Department or the General Manager in advance.

6.3 Non-Compliance

An employee found to have violated this policy may be subject to disciplinary action, up to and including termination of employment per the District's MOU.

7. Glossary of Terms

Definitions of terms found in this document to ensure of clarity and purpose of statement with in this document.

Spyware: Computer programs that typically track your use and report this information to a remote location. The more malicious spyware programs may capture and report keystrokes, revealing passwords, and personal information. Users are often tricked into installing spyware programs without their knowledge. Spyware is sometimes referred to as adware.

| SCADA: Supervisory control and data acquisition -is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management, but uses other peripheral devices such as programmable logic controllers to interface to the process plant or machinery. For example valve positions, lift station status and reservoir levels.

User: One who uses a computer, computer program, or online services.

Network: A system of computers interconnected by telephone wires or other means in order to share information.

Computer: A device that computes, especially a programmable electronic machine that performs high-speed mathematical or logical operations or that assembles, stores, correlates, or otherwise processes information. They are typically referred to as workstation, laptop, tablet or smart phone.

System: In general, any interrelated group of electronic components, e.g. hardware and/or software, that works as a coherent entity. With respect to information security breaches, a system is any computer readable collection of information that contains electronic data in an organized form such that information about a particular subject can be distinguished from information about other subjects.

Virus: Computer viruses are small, self-replicating computer programs that interfere with computer operation. The effect of viruses can range from negligible to devastating, depending on what the virus program does when it runs. A virus might, for example, corrupt or delete data on a computer, spread itself to other computers, or even install a malicious program.

Internet: A term to describe connecting multiple separate networks together. Typically used to refer to the shared “cloud” or uncontrollable, interconnected that is used worldwide.

Intranet: A computer network, especially one based on Internet technology, that an organization uses for its own internal and usually private, purposes and that is closed to outsiders. Typically it is hosting email, files, databases, and other secure resources.

Extranet: A website or connected resource that allows controlled access to partners, vendors and suppliers or an authorized set of customers. Public facing offerings, such as “online billing”, but accesses a portion of internal resources is an example.

Host: A computerized device that has access to other computers on the network. This can be a desktop, mobile device, or auxiliary machine such as a copier, PLC, controllers for security, or heating and Air Conditioning.

File: An intact or partial file, document, photo, video, database, table or any object found in a digital form on District network resources

Blog: A website that displays postings by one or more individuals in chronological order and usually has links to comments on specific postings.

Forum: A medium for open discussion or voicing of ideas, such as a newspaper, a radio or television program, or a website.

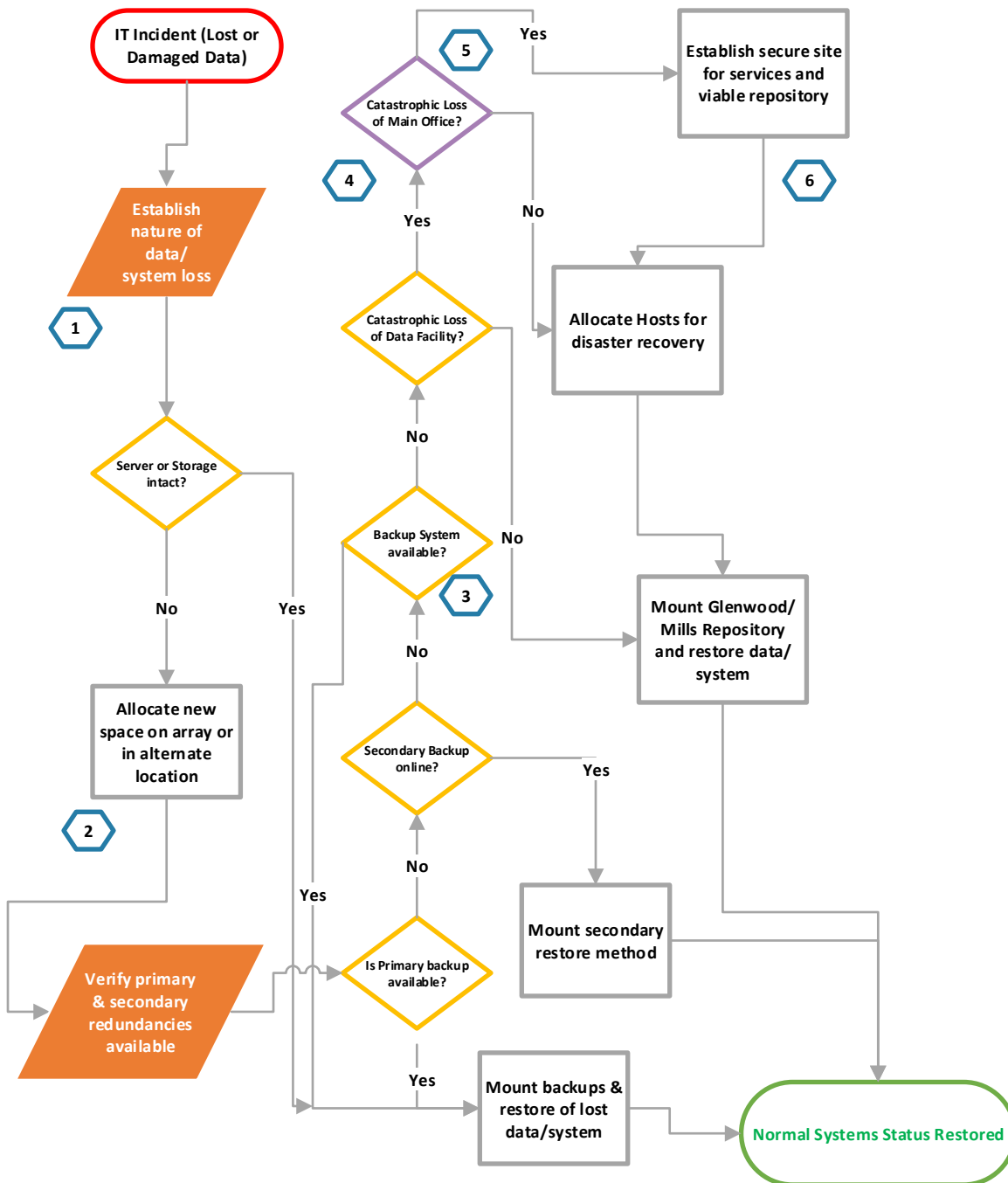
Social Media: The websites and applications considered as collectively constituting a medium by which people share messages, photographs, and other information.

Phish(Phishing): To request confidential information over the internet or by telephone under false pretenses in order to fraudulently obtain credit card numbers, passwords, or other personal data.

8. Review of Policy

This policy should be reviewed for applicable changes at least once annually by CVWD management team and the Board of Directors. Internal input from IT Staff, Management, Legal Counsel and employees and their representatives should occur upon any changes impacting employees and for the protection of the District and the employee.

Crescenta Valley Water District Systems and Data Disaster Recovery Basic Workflow



Process Comments

1 Loss types could be individual files or folders due to deletion, corruption, virus, or hardware failure. Full volumes of data, databases, drives or arrays. Physical or virtual servers are also accounted for this is step.

2 Virtual Standby space and live servers are available under normal conditions for quick recovery

3 In case of main DR systems or a total loss at the main IT office, repositories are synced at Glenwood and Mills facilities.

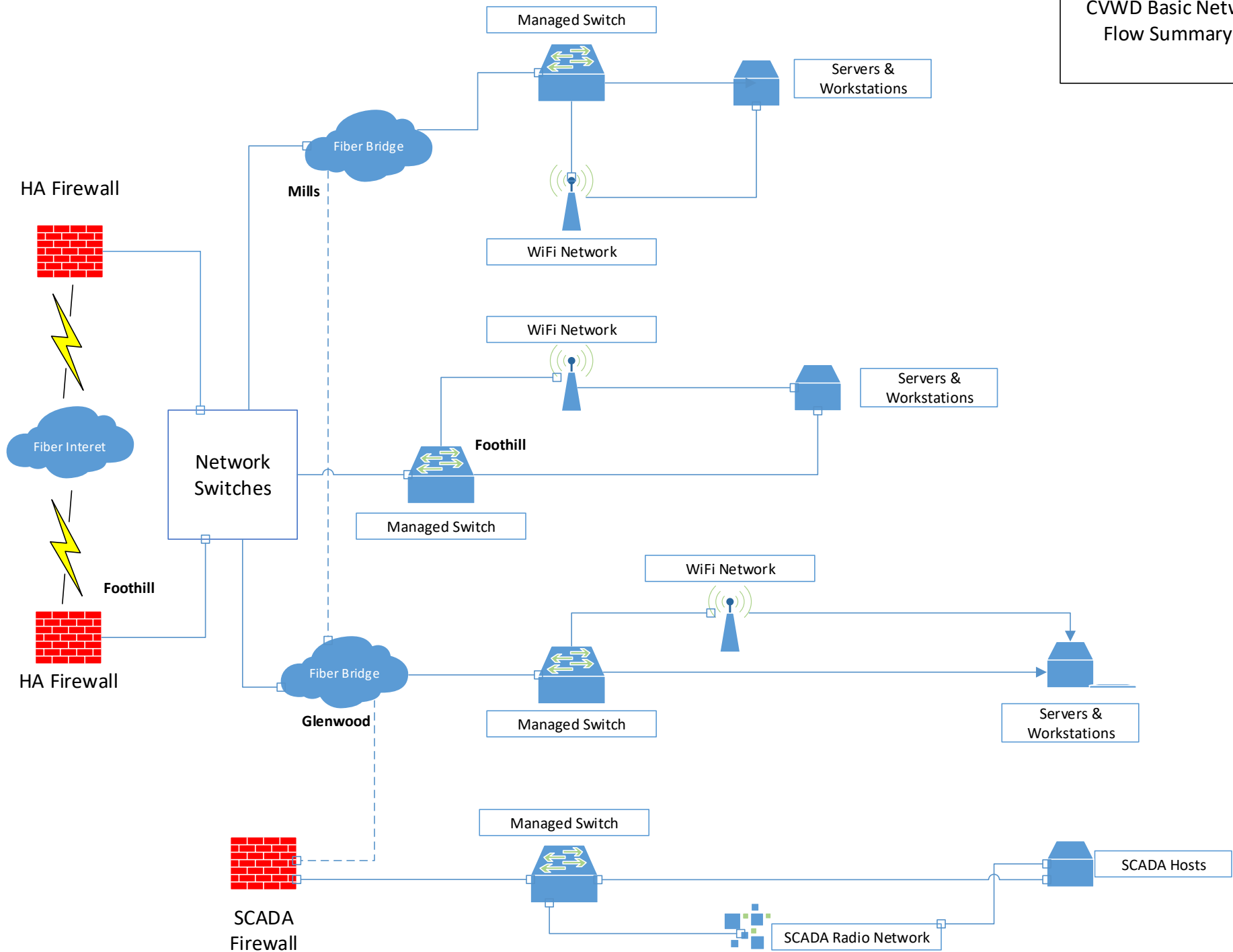
4 Loss of main office viability also triggers redundant data circuit options and procedures

5 Upon loss of the Foothill office, temporary hosts are available at other sites for files, data and services

6 Once a site is selected, DR system, Hosts and other user PC/printers can be placed

7 Normal Systems status is achieved Not when everything is replaced. Normal is achieved when all required services and data are available, email, phones and public access options are online.

CVWD Basic Network
Flow Summary A



CVWD Voice Communications
Summary

