

CRESCENTA VALLEY WATER DISTRICT

**2700 Foothill Boulevard
La Crescenta, California**

**Agenda for the
Adjourned Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on Tuesday, February 21, 2017 at 7:00 p.m.**

Posted: February 17, 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 Minutes of the Regular Meeting on February 7, 2017.
2. Ratification of Disbursements for January 2017.
3. Award of Contract for 8-inch Water Main Replacement on the 4300 & 4400 Blocks of Pennsylvania Ave., Project E-972 - Consideration and approval to authorize the General Manager to award a contract to the lowest responsible bidder, Robert Brkich Construction for the water main replacement or the construction of the pipeline replacement on the 4300 & 4400 Blocks of Pennsylvania Ave. 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.
4. Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Consideration and approval 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 crossing repair project at a cost of \$40,565.

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. **Discussion of Water Production** – Discussion of water production and demand forecasts for the next 5-10 years and water conservation goals.
2. **Strategic Planning** – Discussion regarding the Strategic Plan of the District.

Information Items

Written Communications to District

Staff Reports

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

Attorney Report

Reports of Committees

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

Director's Oral Reports

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

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT

REGULAR MEETING, BOARD OF DIRECTORS

February 7, 2017

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of January 10, 2017, a Regular Meeting was held on February 7, 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 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:	Mark Hass, IT Manager Christy Scott, Program Specialist Wendy Holloway, Customer Accounts Supervisor Dennis Maxwell, Superintendent James Lee, Accountant

PLEDGE OF ALLEGIANCE

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

ADOPTION OF AGENDA

Mr. Love informed the Board that the costs for the repair work at the Lower Pickens Canyon slope project had come in over the amount authorized by the Board and staff discovered this after the agenda was posted and required immediate action. Mr. Love requested that the Board add this item to the agenda for action.

It was moved by Director Tejeda, seconded by Director Erickson and carried by a 4-0-1 vote (Putnam abstained) that the Board found that there was a need to take immediate action and that the need for action came to the attention of the District after the agenda was posted, and that the Agenda for the Regular Meeting of February 7, 2017 be amended to add the Lower Pickens Canyon Slope repair item.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – No Report

CONSENT CALENDAR

It was moved by Director Tejeda, seconded by Director Claessens and carried by a 5-0 vote to approve the Minutes of the Regular Board Meeting held on January 10, 2017.

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 5-0 vote to ratify the disbursements for December 2016 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before November 30, 2016 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 Nine Hundred Thirty Eight Thousand Nine Hundred Twenty Six Dollars and Seventy Seven cents (938,926.77), which is composed of the individual items set forth herein.

It was moved by Director Claessens, seconded by Director Tejeda and carried by a 5-0 vote to authorized the General Manager to purchase a new 2017 Ford 150 pick-up truck to replaced Unit #1 at a total cost of \$32,167.70 and to declare Unit #1 as surplus property and direct the General Manager to dispose in a manner which best benefits the District.

ACTION CALENDAR

Discussion of Billing Alternatives – Mr. Love discussed with the Board that staff has continued to evaluate billing alternatives and have identified an opportunity to allow customers to apply for a separate irrigation meter which is already in the District Rules & Regulation's. Also, any property that has more than one permitted unit can apply for the multi-family rate. The cost to install a separate meter for irrigation is too high for most customers to recover the cost from savings on their water bills. Staff has revised the meter installation design to reduce the cost for the separate meter installation. The revised design allows two meters off the same lateral, instead of two separate laterals and the actual cost could be less depending on specific site conditions. Staff continues to evaluate ways to reduce the cost to the customer. The District may also consider an amortization payment plan which would allow the customer to use monthly water cost savings to pay for the installation.

Water Conservation Alert – Mr. Love reported on water supply saying that this is the wettest year on record so far in Northern California, and the Sierra the snow pack is 70% above normal. The State water allocation is the highest it has ever been this time of year since 2011, and our local rains are at 70% above normal. Our mandated conservation standard from the State as it stands today is 0% when we were able to self-certify base on a three year water supply and demands. We have maintained our goal at keeping conservation at 18%. Mr. Love said that we are currently at "Yellow Alert", and the District's groundwater supply is still at a historical low. Mr. Love is considering changing the alert status from "Yellow" to "Blue", which won't restrict the watering days, but will still restrict wasteful water use in the next few weeks. He will prepare a press release in regards to changing the alert status. Director Putnam wants the Board to see the press release and make comments before it is sent out to print.

Following discussion:

It was moved by Director Putnam, seconded by Director Erickson and carried by a 3-2 vote (Bodnar, Claessens) for the Board to comment on any press release regarding the Alert Status change before it is issued.

Recycled Water Study – Mr. Love reported that back in 2015 he started to evaluate recycled water for the District. He looked at previous reports done back on 2004 and 2012 and recognized that additional recycled water demand would be necessary to improve the financial feasibility. He used some of the data from the 2004 report and expanded the project scope to include customers in the LADWP service area of La Crescenta and additional customer demands serviced by CVWD increasing the projected annual recycled water demand to 850 acre-feet. He reviewed the cost estimated of laying out the pipeline system, reservoirs, building the pump stations to deliver the recycled water and came up with capital costs. The evaluation included the use of grant funding (50% of capital cost) and the maximum Local Resources Program rebate from Metropolitan Water District. Mr. Love discussed four different scenarios comparing average annual demands, capital costs, and annual unit costs compared to the cost of purchasing imported water. He also said that we would need to add additional treatment for the recycled water. Staff will continue to monitor regulatory and water supply conditions and will keep abreast of neighboring agencies recycled water planning activities to identify future opportunities. Staff recommends the Board receive and file the Final Recycled Water Project Feasibility Evaluation and direct staff to finalize the report.

It was moved by Director Bodnar, seconded by Director Claessens and carried by a 4-1 vote (Putnam) to receive and file the Final Technical Memorandum - Recycled Water Project Feasibility Evaluation.

Strategic Planning – Mr. Love reviewed the notes from the last meeting for the 2017 Strategic Plan Goals and Objectives. He discussed the mission statement, strengths, weaknesses, and the vision statement.

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Mr. Gould reported that on December 6, 2016, the Board authorized the General Manager to select and negotiate with a contractor for the Lower Pickens Canyon pipeline replacement and slope repair project at a cost not to exceed \$425,000. Staff sent the contract to three (3) contractors and on January 31, 2017 opened the bid proposals and awarded the contract to E&R Construction of Baldwin Park, CA. The engineer's estimate was \$446,000 and the low bid was 2.0% lower, however, the bid amount was greater than the amount authorized by the Board of Directors. Staff is recommending that the contract be award to E&R Construction, and to adjust to previous authorized amount by \$55,700 to a new cost not to exceed \$480,700.

It was moved Director Claessens, seconded by Director Erickson and carried by a 4-1 vote (Putnam) to authorize the General Manager to award a contract to E & R Construction, Inc. at a cost of \$437,000, and establish a contingency amount of \$43,700 (10% of contract) to cover the cost of unforeseen or additional work, and adjust the cost not to exceed the amount of \$480,700.

INFORMATION ITEMS – None.

WRITTEN COMMUNICATIONS TO DISTRICT – Misc. emails from staff to the Board of Directors and legal counsel.

REPORTS OF PERSONNEL

SECRETARY-TREASURER – Mr. Mitchell provided the Summary of Cash and Investment report which contained the following items:

Investment Portfolio Summary – as of February 3, 2017:

Cash Accounts	\$492,764
Great Pacific Securities	
Bond Debt Service Fund Acct	\$293,908
Local Agency Investment Fund	\$2,093,346
Transfer from MTBE Reserve	\$2,000,000
Federal Farm Credit (83)	\$500,015
Federal Farm Credit (87)	\$499,425
Federal Farm Credit (101)	\$1,149,970
US Treasury (103)	\$1,191,990

MTBE Contingency Funds

Local Agency Investment Fund	\$250,000
Great Pacific Securities	\$7,726
Transfer to Water Reserve	(\$2,000,000)
Federal Farm Credit (M-48)	\$507,380
Federal Farm Credit (M-49)	\$1,238,362
US Treasury (M-53)	\$932,500
US Treasury (M-54)	\$966,640
US Treasury (M-55)	\$932,500
US Treasury (M-56)	\$932,500
Federal Farm Credit (M-57)	\$914,250
Federal Farm Credit (M-58)	\$1,215,430
US Treasury (M-60) NEW	\$497,985

Fund Balances

Water	\$10,300,841.04
Wastewater	\$4,575,951.62

GENERAL MANAGER – Mr. Love reported on the General Managers Objectives. He also reported that there is one employment anniversary: Roy Spaulding – 26 years and as of February 3rd the District has worked 969 days without a lost time accident. He also introduced the District's new accountant, Mr. James Lee.

DISTRICT ENGINEER

Water Production – For the period of January 1 through January 31, 2017, water production averaged 79.9 million gallons per day, which is **2.3% less** than the daily average production of the same period in 2016. This is **25.3% less** from the daily average production of the previous five years.

Rainfall: January 2017	11.71"
Season-to-date:	18.38"

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

Rainfall Update – 11.71" for January 2017. Rainfall total for Rainfall Year 2016/17 is 18.38".

Report on Engineering

CIP Projects – Ocean View Chlorination Project – Agreements – Working with FMWD & LADWP. Funding Agreement Extension to May 2017. Pipeline Projects – 4200 – 4400 Blocks Pennsylvania – Bid Opening February 15, 2017. Pickens Canyon Pipeline Replacement and Slope repair – Award Contract to E&R Construction for \$437,000. Meeting with Contractor on February 6, 2017 to discuss project schedule. Paschall Booster Station MCC and Piping Upgrades – Staff is working on Request for Proposal. Oak Creek Reservoir Rehabilitation – Project deferred due to lack of bidders to FY 17/18. Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir – Dunsmore Reservoir - Complete. Pickens Reservoir – to be completed by March 2017.

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

Crescent 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 124 meters to date.

Report on Administrative and Field Operations:

Well Status – Well production capacity is down - averaging 1.62 MGD for January 2017.

Field Maintenance and Operations update for January 1 – January 31, 2017.

Water lateral leaks & repairs

- 4715 La Crescenta
- 4845 La Crescenta
- 2854 Sanborn
- 5637 Ocean View
- 5360 Ocean View
- 2917 Sycamore
- 2326 Jayma Lane

Water Main Leaks – No Report

Reservoir Maintenance – Glendale Intertie Coupling. Edmund #1

Fire Hydrant Repair – No Report

Developer Job – Completed installation of new fire hydrant, fire service and 2 inch meter service for Lincoln School.

Booster Pump Maintenance – No Report

Sewer Maintenance – 3000 – 3100 Blocks Santa Carlotta. 4900 Block of Cloud. 3100 Block of Paraiso Way. 5100 Block of Parham. 4900 & 5100 Blocks of Pennsylvania. 3000 Block of Brookhill. 5000 Block of Cloud. 3000 Block of Orange.

PROGRAM SPECIALIST – Ms. Scott reported on the monitoring report submitted to the State for January 2017. She also reported on regulations, conservation, and testing for lead at the schools.

She said that The Department of Water Resources informed the District that the 2015 Urban Water Management Plan has met the requirements of the California Water Code.

INFORMATION TECHNOLOGY – No Report

ATTORNEY – Mr. Bunn reported on two Proposition 218 cases with the Superior Court. One of the cases was a lawsuit against the City of Glendale over their tiered rates and their charges for the fire flow protection. The second one was a lawsuit filed against the City of Hillsboro challenging their tiered rates and the provisions for penalties.

REPORTS OF COMMITTEES

Engineering Committee – Director Claessens reported that the Committee met on January 31, 2017 at 9:00 a.m. and discussed the Groundwater Wells, Well Capacity, Recycled Water Feasibility Study, purchase of a new District vehicle, and CIP projects for FY 16/17. The Committee will meet on February 16, 2017 at 9:00 a.m.

Finance Committee – Director Tejeda reported that the Committee met on January 26, 2017 at 8:00 a.m. and discussed the 2nd quarter budget vs. actual report, reviewed the schedule for the FY 2017/18 budget process, and reviewed worker's compensation injuries. 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 met on January 27, 2017 at 9:00 a.m. and discussed water use billing alternatives for high residential landscape irrigation needs, and Board member reimbursement policy and procedures. The Committee will meet on February 24, 2017 at 9:00 a.m.

Community Relations/Water Conservation Committee – Director Erickson reported that the Committee met on January 27, 2017 at 10:00 a.m. and discussed the water supply update, water conservation alert, community events, and communications plan.

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

Executive Committee – Director Bodnar reported that the Committee met on February 6, 2017 and reviewed upcoming items that will be brought to the Board.

DIRECTORS ORAL REPORTS

Director Bodnar reported he attended the California Irrigation Institute Conference and it was focused on urban and agriculture with emphasis on agriculture conserving more water.

Director Tejeda reported that there is a Chamber of Commerce meeting tomorrow from 6:00 to 8:00 p.m. at Bob Smith Toyota. She also asked that the Board doesn't play "beat the clock" during the meetings and allow time for the Directors to express their opinions.

Director Putnam requested that staff record the committee meetings and provide a summary in the packets.

Director Claessens – No report

Director Erickson agreed with Director Tejeda's comments regarding the meetings. He also said that on the CV CERT's website, there is a comment on stormwater recovery & recharge.

CLOSED SESSION – No Closed Session

ADJOURNMENT

There being no other business to come before the Board at 9:03 p.m., it was moved by Director Tejeda, seconded by Director Claessens that the meeting be adjourned to February 21, 2017 at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CASH DISBURSEMENTS LIST

JANUARY 2017



<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
0	1/24	Southern California Edison Co.	Power purchased 01/2017	17,478.18	216.80
35025	1/5	Dennis A. Maxwell, Jr	Health Reimbursement	93.12	62.08
35026	1/5	Lynne Sovich	Health Reimbursement	207.00	138.00
35027	1/5	City of Glendale Water & Power	Power purchased Markridge 12/2016	109.96	
35029	1/5	Northern Safety Co., Inc	Safety glasses	204.12	68.04
35030	1/5	Rush Truck Center of Cal Inc,	Unit #25 - Repair dump truck brakes and alignment	1,012.50	337.50
35031	1/5	Simpler Systems	Monthly maintenance fee 07/2016	375.00	125.00
35032	1/5	Dave Spain	Longevity pay - 30 years of service	225.00	75.00
35033	1/5	Spectrum Business	Data communication office 12/2016	1,718.46	572.82
35034	1/5	Spectrum Business	Data communication Mills plant 12/2016	2,294.80	764.93
35035	1/5	The Gas Company	Gas purchased at Mills house, Plant & Office - 12/2016	280.57	93.52
35036	1/5	Toro's Lawnmower & Garden	5 gallon diesel can	23.98	23.97
35037	1/5	UPS	Shipping charges	28.94	28.93
35038	1/5	Western Water Works	3/4"hard copper pipe, repair clamps, meter adapters	1,114.30	
35039	1/5	Jacob Whittaker	Reimbursement for exam for Grade T3	500.00	
35040	1/10	ACWA Joint Powers Ins Authority	Group Health for 02/2017	33,648.44	21,871.17
35041	1/10	ACWA/JPIA	Worker's Comp 10/1/16 to 12/31/16	26,059.00	17,372.00
35042	1/10	ADS, LLC	Monthly sewer monitoring 12/2016		1,010.00
35043	1/10	Airgas USA, LLC	Monthly cylinder rental 12/2016	202.54	202.54
35044	1/10	Allen Pipeline, Inc.	Welding Cost D-16-52(Lincoln Ele.)	1,725.75	
35045	1/10	Ameripride Uniform Services, Inc	Uniform rentals 12/2016	785.92	261.98
35046	1/10	Anawalt Lumber & Materials Co.	Misc hardware 12/2016	55.81	
35047	1/10	ARC	Monthly MPS billing 12/2016	840.95	280.31
35048	1/10	Marco Arroyo	Refund Check		58.93
35049	1/10	Association of CA Water Agenci	2016 Annual ACWA membership dues	14,371.68	4,833.41
35050	1/10	AT&T	Voice communication office 01/2017	1,168.35	352.56
35051	1/10	AVAYA Financial Services	Land line lease 12/2016	380.68	126.90
35052	1/10	AW Direct, Inc	Unit #16 - Wheel chocks and tie-down straps	388.69	129.55
35053	1/10	BC Laboratories, Inc	Water analysis	1,785.40	
35054	1/10	BC Laboratories, Inc	Water analysis	1,096.15	
35055	1/10	Paul Bird	Refund Check	11.66	
35056	1/10	California Sliding Door Repair	Repair sliding glass door at main office	303.75	101.25

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
35057	1/10	CalPERS	Contributions 12/2016	20,052.56	12,659.83
35058	1/10	CCS Interactive, Inc.	Monthly website hosting 01/2017	78.75	26.25
35059	1/10	CDW Government, Inc	ESET security software renewal	468.75	156.25
35060	1/10	Choice Pest Control	Monthly service Mills Plant 12/2016	45.00	15.00
35061	1/10	City of Glendale Police Dept	Alarm Permit renewal 2017	116.25	38.75
35062	1/10	Colonial Life & Accidents Ins.	Employee paid insurance 12/2016	183.61	
35063	1/10	Dataprose LLC	Printing and postage control 1-4 12/2016	1,497.76	1,497.75
35064	1/10	Dell Financial Services	Lease contract 12/2016	1,143.05	381.01
35065	1/10	Do-it Center	Misc hardware 12/2016	601.54	59.49
35066	1/10	Louis Emmanuel	Refund Check	29.04	
35067	1/10	Eurofins Eaton Analytical Inc.	Water analysis	472.00	
35068	1/10	Fedak & Brown LLP	Services through 12/2016	388.00	388.00
35069	1/10	Foothill Car Wash, Lube & Oil	Oil change Unit #8 & #45	118.46	39.47
35070	1/10	Grainger	Trailer jack and caster wheel	94.85	31.61
35071	1/10	Wendy Holloway	Mileage reimbursement June thru December 2016	22.68	7.56
35072	1/10	Home Depot Credit Services	Misc hardware 12/2016	595.46	214.78
35073	1/10	Hopkins Technical Products, Inc.	2 - Grid B reservoir mixers with SCADA control for water quality management	18,191.00	
35074	1/10	Industrial Metal Supply Co	Barrier pipe for seismic valves	683.98	
35075	1/10	Robin Johnson	Refund Check	32.11	
35076	1/10	Joseph G. Pollard Co., Inc	Eyewash solution wash	815.27	
35077	1/10	Just Tires, Inc.	Unit #38, rotors, seals, and bearings; Unit #42 two new tires	652.69	217.56
35078	1/10	Chris Lee	Refund Check	78.78	
35079	1/10	Lincoln Financial Group	Dental, Life, Disability insurance for 01/2017	3,292.84	2,195.23
35080	1/10	Tim Mankowski	Refund Check	36.19	
35081	1/10	McCall's Meter Sales & Service	Isolation boards/telemetry	154.06	51.36
35082	1/10	New Image Landscaping	Monthly maintenance 12/2016	927.50	152.50
35083	1/10	Newegg, Inc.	2- Workstations with monitors and operating software	1,592.32	530.78
35084	1/10	Northern Safety Co., Inc	First aid supplies	84.61	28.20
35085	1/10	Northern Tool & Equip Co.	Fuel hoses	74.98	25.00
35086	1/10	O'Reilly Auto Parts	Misc parts 12/2016	7.10	7.10
35087	1/10	Office Depot - Credit Plan	Misc supplies 12/2016	657.23	657.22
35088	1/10	Orchard Supply Hardware	Misc hardware 12/2016	324.28	100.40
35089	1/10	Paper Cuts, Inc	Monthly shredding 01/2017	2.50	2.50
35090	1/10	Maria Payumo	Refund Check	4.23	
35091	1/10	PMC Engineering LLC	Well level transducers	2,715.45	
35092	1/10	Ramco	Bobtail loads for 12/2016	3,000.00	
35093	1/10	Ready Refresh by Nestle	Distilled water 12/2016	39.91	
35094	1/10	Red Wing Shoe Store	Safety boots - Jim, Cory, Steve	444.46	148.15

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35095	1/10	Royal Wholesale Electric	Electrical supplies for unit #45	185.90	13.53
35096	1/10	Simpler Systems	Monthly maintenance fee 01/2017	375.00	125.00
35097	1/10	St Water Resource Control Brd.	Larger water system fees for 7/1/15 to 6/30/16	14,900.11	
35098	1/10	Sully-Miller Contracting Co.	Minimum load charge	23.32	
35099	1/10	Sully-Miller Contracting Co.	Flooding meter deposit refund	940.00	
35100	1/10	Toro's Lawnmower & Garden	14" metal blade for chopsaw	32.46	32.46
35101	1/10	Tri-Xecutex Corp	Security alarm monitoring Jan Feb Mar 2017	243.00	81.00
35102	1/10	Underground Service Alert/SC	Underground notifications 12/2016	178.88	59.62
35103	1/10	Vision Service Plan Co-(CA)	Group Vision for 01/2017	290.64	193.76
35104	1/10	Vulcan Materials Company	Crushed aggregate base	938.71	
35105	1/10	Waste Management - Sun Valley	Disposal service plant & office - 01/2017	781.70	260.56
35106	1/10	Water Wise Consulting, Inc	Water audit for 2955 Montrose Ave.	175.00	
35107	1/10	Wells Tapping Services, Inc.	Travel time D-16-52 (Lincoln Elementary)	675.00	
35108	1/10	West Coast Pipe	6" steel pipe weld bell	2,670.50	
35109	1/10	Western Water Works	1" corp stops, 6" Cla val pressure relief, gate valves, repair clamps, pressure reducing valve, gaskets	12,589.29	
35110	1/10	Rick Whitecotton	Refund Check	6.94	
35111	1/10	Katherine Williams	Refund Check	73.45	
35112	1/17	Dennis A. Maxwell, Jr	Health Reimbursement	159.76	106.51
35113	1/17	Lynne Sovich	Health Reimbursement	250.08	166.72
35114	1/24	Acme Wiping Materials	4 boxes of rags	127.20	127.20
35115	1/24	ACV Systems, LLC	Repairs at Edmund #2 booster stations	1,068.42	
35116	1/24	Affordable Generator Services	Service Agreement 2017 Units 28,29,30,35,41 - major service & load test	6,194.61	
35117	1/24	Aflac	Employee paid insurance 01/2017	1,337.53	
35118	1/24	AIS Speciality Products, Inc.	2 - Fluorsecent bulb recycle kits	223.27	74.42
35119	1/24	All American Landscape Co.	Monthly maintenance 01/2017	217.50	72.50
35120	1/24	Allen Pipeline, Inc.	D-16-52 welding(Lincoln Elem.)1/3/17	1,355.40	
35121	1/24	AT&T	PRI Line 01/2017	4,298.79	1,432.92
35122	1/24	AT&T Mobility	Cell phone service 01/2017	915.56	305.19
35123	1/24	Auto Auction Group	Refund Check	43.81	
35124	1/24	Regino Avalos	Trim tree @Rosemont Reservoir	925.00	
35125	1/24	BC Laboratories, Inc	Water analysis	75.00	
35126	1/24	California Water Environment	Membership renewal Robert Wood	129.00	43.00
35127	1/24	Cash-Petty Cash	Reimbursement petty cash	306.95	58.40
35128	1/24	CCS Interactive, Inc.	Monthly website hosting 12/2016	78.75	26.25
35129	1/24	City of Glendale	Glendale utility taxes Nov 1, 2016 to Dec 31,2016	29,918.34	
35130	1/24	City of Los Angeles	Capital Portion and O & M installment		160,800.00
35131	1/24	Delta Tech Corp.	Unit #11 - Repair oil leak and service valve turning equipment	459.24	153.08

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35132	1/24	E-Nor Innovations, Inc	Stop/Slow paddles	59.97	19.99
35133	1/24	Eurofins Eaton Analytical Inc.	Water analysis	484.00	
35134	1/24	Federal Express	Return jacket to Dri-Duck	18.78	18.78
35135	1/24	First Choice	Coffee service plant	110.80	110.79
35136	1/24	Foothill Municipal Water	Purchased water - 12/2016	225,953.31	
35137	1/24	Graybar Electric Co., Inc.	Keypad for gates at Plant	376.15	125.38
35138	1/24	Great America Leasing Corp.	Kyocera copier lease 01/2017	216.96	216.96
35139	1/24	LA Dept Water and Power	Power purchased 01/2017	46.50	
35140	1/24	Lagerlof, Senecal, Gosney & Kr	Legal services 12/2016	4,123.00	1,250.00
35141	1/24	Lincoln Financial Group	Dental, Life, Disability Insurance for 02/2017	3,292.84	2,195.23
35142	1/24	Logan Supply Co. Inc	Pipe cutting wheels, safety cones, and marking paint	792.81	309.98
35143	1/24	Microflex Corporation	Latex gloves for misc.jobs		531.26
35144	1/24	Miller & Axline Corp.	Attorney Fees - MTBE Settlement Funds	12,003.20	
35145	1/24	Napa Auto Parts	Misc parts	78.03	26.01
35146	1/24	Newegg, Inc.	Power tester and network connectors	90.72	90.72
35147	1/24	Northern Safety Co., Inc	Safety vests	296.66	98.88
35148	1/24	Paveco Construction Inc	List 2016-17-07 various paving locations	10,325.72	
35149	1/24	Plumbers Depot Inc	Replace fuel tank on easement machine, repair sewer snake, toggle switches, and leader hose		1,426.30
35150	1/24	Rassac Air Systems	Maintenance of heat-A/C Mills house	210.00	70.00
35151	1/24	Robertson's	D-16-52-27 yd.1 sack slurry (Lincoln Elem)	2,392.96	
35152	1/24	Royal Wholesale Electric	Repair kits for security gates and misc. electrical supplies	1,989.36	278.05
35153	1/24	Sawyer Petroleum	55 gal. turbo oil for booster pumps	920.47	
35154	1/24	Serge's Automotive	Unit #23A - 2 new tires, oil change, and replace coolant tank	308.52	102.84
35155	1/24	Shell	Gas purchased 12/2016	1,146.58	382.20
35156	1/24	SmartSign LLC	Digital display board at Plant	184.46	61.49
35157	1/24	So Cal Water Utilities Assoc.	Membership renewal for 2017 - 9 employees	168.75	56.25
35158	1/24	Star Brite Bldg. Maintenance Inc	Janitorial service 01/2017	618.75	206.25
35159	1/24	Sully-Miller Contracting Co.	4.10 tons of cold patch	408.24	
35160	1/24	Tesco Controls, Inc	PLC Repair	281.25	93.75
35161	1/24	The Gas Company	Gas purchased at Plant, Office & Mills house - 01/2017	207.90	69.30
35162	1/24	The Hitch Depot	Tow hitches and misc. parts for trucks	161.93	54.98
35163	1/24	Toro's Lawnmower & Garden	Parts for the cut saw	39.51	39.51
35164	1/24	Trench Shoring Company	Steel plates for D-16-52 - Altura & Maryland	2,430.00	
35165	1/24	United Traffic Service & Supply	Barricade rental D-16-52	360.57	
35166	1/24	Univar USA Inc	1480 gallons bleach at Mills & Glenwood	2,479.98	
35167	1/24	UPS	Shipping charges	17.69	17.69
35168	1/24	Vision Service Plan Co-(CA)	Group Vision for 02/2017	290.64	193.76
35169	1/24	Vulcan Materials Company	Crushed aggregate base	713.28	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
35170	1/24	Wells Fargo Card Services	Gould: Doors for training center at Plant; AWWA book & disc set re: safety	450.97	150.33
35171	1/24	Wells Fargo Card Services	Hass: Monthly recurring charges; wall mount tv for security system; 4 new cell phones; freight charges to return meter reading handheld device for repairs	1,472.68	567.74
35172	1/24	Wells Fargo Card Services	Love: CV Chamber installation event (Love, Claessens, Scott)	90.00	30.00
35173	1/24	Wells Fargo Card Services	Mitchell: Install hands-free bluetooth device in Unit #34; advertisement for Accountant position	412.22	137.41
35174	1/24	Wells Fargo Card Services	Scott: Urban Water Management Seminar - reg.; ornaments for Christmas lunch; lunch for office staff (short-handed)	421.26	140.43
35175	1/24	Western Water Works	6"-8"flange bolt sets, weld reducers, flanges	922.58	
35176	1/24	Cory Whitman	Reimbursement for work jeans	67.43	22.47
35177	1/24	Yale Chase Materials Inc	Unit #17 - Replace strobe light and brake light on fork lift	423.07	141.03
35178	1/26	Lynne Sovich	Health reimbursement	633.02	422.02
Subtotal for Water & Wastewater				<u>\$ 529,867.58</u>	<u>\$ 242,528.84</u>
Total Disbursements for January 2017					<u><u>\$ 772,396.42</u></u>

Payroll Report for January 2017

Directors	\$ 1,620.00
Office Regular Payroll	\$ 105,443.00
Office OT	\$ 3,093.00
Office Vacation/Sick Cash Out	\$ 30,215.00
Plant Regular Payroll	\$ 66,391.00
Plant OT & Standby	\$ 11,259.00
Office Vacation/Sick Cash Out	\$ 34,429.00
Employer Payroll Taxes	\$ 29,951.00
Payroll Service Charges	<u>\$ 725.00</u>
Total Payroll	<u><u>\$ 283,126.00</u></u>

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Consent Item No. 3
February 21, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Award of Construction - 8-Inch Water Main Replacement on the 4300 & 4400 Blocks of Pennsylvania Ave., Project E-972

CONSENT ITEM:

Award of Contract for 8-inch Water Main Replacement on the 4300 & 4400 Blocks of Pennsylvania Ave., Project E-972 - Consideration and approval to authorize the General Manager to award the contract to the lowest responsible bidder, Robert Brkich Construction for the water main replacement or the construction of the pipeline replacement on the 4300 & 4400 Blocks of Pennsylvania Ave. 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.

PROJECT DESCRIPTION:

Staff previously discussed that one of the two 8-inch water mains on Pennsylvania Ave, which delivers water from the Mills Plant to the Paschall Booster station, has had three (3) major main breaks within the last year. These pipelines on Pennsylvania were installed in 1938 and 1947 and are under high (over 200 psi) pressure. These pipelines are the main water transmission mains which bring groundwater from the Mills Plant into the water distribution system (See attached project location map):

DISCUSSION:

On December 6, 2016, the Board authorized the General Manager to advertise for bids for the subject project. A mandatory pre-bid meeting was held on February 8, 2017, which was attended by eight (8) contractors. CVWD specifications indicate that only contractors who attend this meeting are allowed to bid on the project.

On February 15, 2017, at 2:00 PM, the District opened and read the following bid proposals for this project:

	<u>Bidder</u>	<u>Total Bid Amount</u>
Low	Robert Brkich Construction	\$242,450
2	T.E. Roberts	\$273,100
3	J. DeSigio Construction, Inc.	\$302,725
4	NorStar Plumbing and Engineering	\$333,333
5	Toro Enterprises	\$362,950
6	Dominguez General Eng. Inc.	\$384,800
7	JA Salazar Construction	\$406,600
8	E & R Construction	No Bid

Robert Brkich Construction of Monrovia was the apparent lowest responsible bidder for the project with a bid of \$242,450 and the low bid was 24.2% lower than the engineer's estimate of \$320,000.

Staff has worked with Brkich Construction on previous pipeline projects for the District including 2,000 feet of pipe on the 2300 Block of Chapman Ave in 2011 and 2,650 feet of pipe on the 3000 & 3100 blocks of Paraiso Way in 2013.

Traffic Issues:

A major issue with this project will be the traffic detours around the construction area, which will affect local traffic on Pennsylvania Ave and the west-bound 210 Freeway off ramp for Pennsylvania Ave.

Staff will contact Caltrans' Project Manager and Caltrans' contractor to get an updated construction schedule for the closures of the east-bound 210 Freeway Pennsylvania Ave and the La Crescenta Ave off-ramps.

After reviewing the information from Caltrans, Staff will meet with Brkich Construction about starting construction after the east-bound Pennsylvania Ave and the La Crescenta Ave off-ramps are back into service thereby reducing the traffic impacts from CVWD's project.

After a construction start date is established, staff will do a public outreach program that will include:

- Sending letters to the residents in the area notifying them of the upcoming project and traffic delays
- Holding a Community meeting at the job site to explain the project and traffic delays
- Coordinating with Caltrans on the 210 Freeway west-bound off-ramp on Pennsylvania Ave
- Meeting with the local newspapers about publishing an article about the upcoming construction project
- Monthly announcements at the CV Town Council meeting
- Posting traffic and construction updates on CVWD's website and CV Town Council website

RECOMMENDATION:

It is staff and the Engineering Committee's recommendation to award the contract for the subject project to the lowest responsible bidder, Robert Brkich Construction at a cost of \$242,450.

A pre-construction meeting will be set as soon as the contract is awarded, the agreement is signed, and insurance documents have been delivered. We anticipate construction to start at the intersection of Encinal Ave and Pennsylvania Ave and move northerly to Community Ave. Ms. Christina Olmedo will be the project manager and Mr. Cory Whitman will provide field inspection.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

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

Account Description	Amount
FY 16/17 Water CIP– Water Distribution	\$600,000
Engineer's Cost Estimate for Contractor	<\$242,450>
Unforeseen or additional work	<\$24,245>
Additional costs such as material purchase by CVWD, soils engineer, engineering & inspection labor costs & contingency	<\$90,000>
Total Engineer's Cost Estimate	<\$356,695>
Amount Remaining in Water CIP – Distribution System	\$243,305

Prepared by: Submitted by:

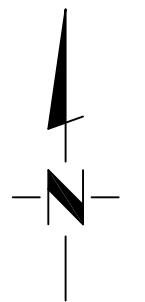
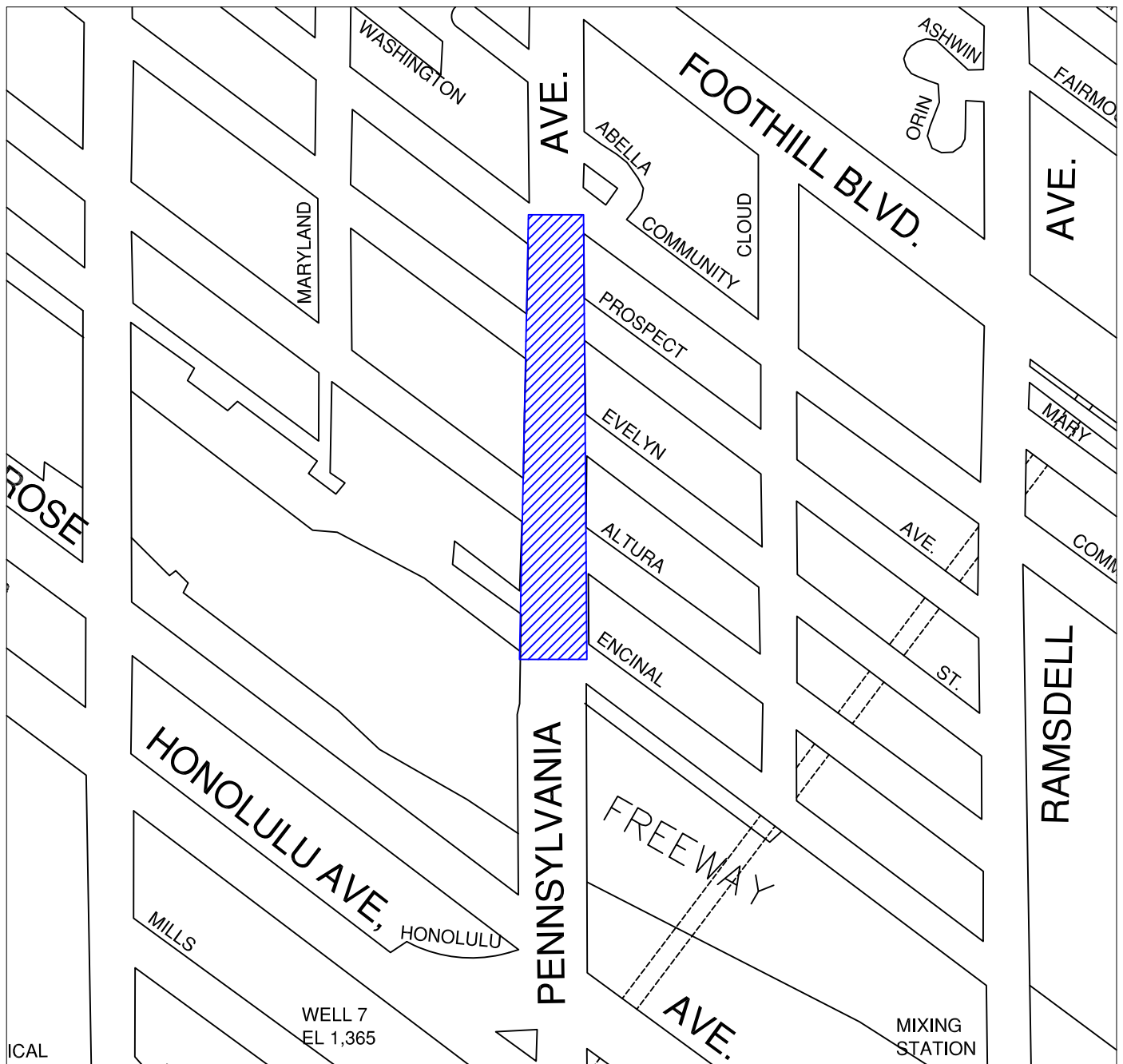


David S. Gould, P.E.
District Engineer

Thomas A. Love
General Manager

Attachments:

1. Project Location Map
2. Bid Summary



NOT TO SCALE

PROJECT LOCATION



CRESCENTA VALLEY WATER DISTRICT PROJECT LOCATION MAP

8-INCH WATER MAIN INSTALLATION ON THE 4200-4300 BLOCKS OF PENNSYLVANIA AVENUE, PROJECT E-972

CRESCENTA VALLEY WATER DISTRICT

Title: Construction of 8-inch Water Main on the 4200-4300 blocks of Pennsylvania Ave.

BID LOCATION:

CVWD's Office

Project E-972

E-Job No: E-972

TIME: 2:00 PM

Engineer's Estimate: \$320,000

DATE: 2/15/17

Project Manager: Christina Olmedo

BY: CO CHECKED: DSG DATE: 2/15/17

			Engineers Estimate		Robert Brkich Construction		T.E. Roberts		J. DeSigio Construction, Inc.	
ITEM	DESCRIPTION	QUANTITY	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Excavation and Backfill	1,450 LF	\$65.00	\$94,250.00	\$53.00	\$76,850.00	\$33.00	\$47,850.00	\$85.00	\$123,250.00
2	Resurfacing Trench	4,350 SF	\$7.50	\$32,625.00	\$18.00	\$78,300.00	\$11.00	\$47,850.00	\$9.50	\$41,325.00
3	8" CML & CMC Steel Pipe	1,450 LF	\$75.00	\$108,750.00	\$16.00	\$23,200.00	\$86.00	\$124,700.00	\$55.00	\$79,750.00
4	Install new 8" thick Concrete Bus Pad	1 LS	\$15,000.00	\$15,000.00	\$25,000.00	\$25,000.00	\$23,000.00	\$23,000.00	\$15,200.00	\$15,200.00
5	Install 12" x 8" Connection	1 LS	\$18,000.00	\$18,000.00	\$20,400.00	\$20,400.00	\$6,100.00	\$6,100.00	\$22,000.00	\$22,000.00
6	Traffic Control	1 EA	\$45,375.00	\$45,375.00	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$8,800.00	\$8,800.00
7	2-inch blow off	2 EA	\$1,500.00	\$3,000.00	\$4,100.00	\$8,200.00	\$6,200.00	\$12,400.00	\$4,500.00	\$9,000.00
8	Install new 6" Fire Hydrant and steel water pipe laterals and appurtenant construction	1 EA	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$6,200.00	\$6,200.00	\$3,400.00	\$3,400.00
9	Replace Valve	2 EA	\$2,000.00		\$2,500.00		\$5,000.00		\$3,000.00	
			EE	\$320,000.00	LOW	\$242,450.00	2ND	\$273,100.00	3RD	\$302,725.00

CRESCENTA VALLEY WATER DISTRICT

Title: Construction of 8-inch Water Main on the 4200-4300 blocks of Pennsylvania Ave.
Project E-972

BID LOCATION: CVWD's Office

E-Job No: E-972
Engineer's Estimate: \$320,000
Project Manager: Christina Olmedo

TIME: 2:00 PM
DATE: 2/15/17
BY: CO CHECKED: DSG DATE: 2/15/17

			Engineers Estimate		NorStar Plumbing and Engineering		Toro Enterprises		Dominguez General Eng. Inc.		JA Salazar Construction	
ITEM	DESCRIPTION	QUANTITY	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT			UNIT	AMOUNT
1	Excavation and Backfill	1,450 LF	\$65.00	\$94,250.00	\$45.00	\$65,250.00	\$90.00	\$130,500.00	\$90.00	\$130,500.00	\$90.00	\$130,500.00
2	Resurfacing Trench	4,350 SF	\$7.50	\$32,625.00	\$15.00	\$65,250.00	\$17.00	\$73,950.00	\$12.00	\$52,200.00	\$6.00	\$26,100.00
3	8" CML & CMC Steel Pipe	1,450 LF	\$75.00	\$108,750.00	\$60.00	\$87,000.00	\$50.00	\$72,500.00	\$100.00	\$145,000.00	\$112.00	\$162,400.00
4	Install new 8" thick Concrete Bus Pad	1 LS	\$15,000.00	\$15,000.00	\$32,200.00	\$32,200.00	\$24,500.00	\$24,500.00	\$18,000.00	\$18,000.00	\$24,000.00	\$24,000.00
5	Install 12" x 8" Connection	1 LS	\$18,000.00	\$18,000.00	\$16,000.00	\$16,000.00	\$29,000.00	\$29,000.00	\$9,500.00	\$9,500.00	\$25,000.00	\$25,000.00
6	Traffic Control	1 EA	\$45,375.00	\$45,375.00	\$45,633.00	\$45,633.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00	\$12,000.00	\$12,000.00
7	2-inch blow off	2 EA	\$1,500.00	\$3,000.00	\$7,500.00	\$15,000.00	\$5,500.00	\$11,000.00	\$6,800.00	\$13,600.00	\$4,800.00	\$9,600.00
8	Install new 6" Fire Hydrant and steel water pipe laterals and appurtenant construction	1 EA	\$3,000.00	\$3,000.00	\$7,000.00	\$7,000.00	\$6,500.00	\$6,500.00	\$9,000.00	\$9,000.00	\$14,000.00	\$14,000.00
9	Replace Valve	2 EA	\$2,000.00		\$15,000.00		\$6,300.00		\$1,500.00		\$7,000.00	
			EE	\$320,000.00	4TH	\$333,333.00	5TH	\$362,950.00	6TH	\$384,800.00	7TH	\$403,600.00

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Consent Item No. 4
February 21, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Award of Contract for Inspection Services for Lower Pickens Canyon Pipeline Crossing Repair, Project E-957

ACTION ITEM:

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Consideration and approval to authorize the General Manager to enter into an agreement with DMc Engineering (DMc) and AMEC Foster Wheeler (AMEC) to provide inspection services related to the Lower Pickens Canyon pipeline replacement and slope repair project at a total cost of \$40,565.

BACKGROUND:

On February 7, 2017, a contract was awarded to E & R Construction, Inc for the replacement of the 8-inch Water Transmission Main and Slope Restoration for the Lower Pickens Canyon Crossing. This project is time sensitive and needs to be completed within the next sixty (60) days.

DISCUSSION:

Staff needs assistance in provide construction management and quality control inspection during the project. Staff requested proposed from AMEC to provide on-site observation and inspection for the slope restoration portion and DMc to provide pipeline inspection and construction management services as shown below:

• AMEC - On-site observation and inspection services	\$22,685
• DMc - Pipeline inspection and construction management services	\$17,880
Total	\$40,565

RECOMMENDATION:

It is staff's recommendation to enter into agreements with AMEC and DMc for quality control inspection and construction management services at a total cost of \$40,565 to staff with expediting this project.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

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

Account Description	Amount
FY 16/17 Water CIP- Water Distribution – Lower Pickens Canyon Pipeline	\$500,000
Remaining from 8-inch Water Main on Penn. Ave, Project E-972	\$190,000
Revised amount for Lower Pickens Canyon Pipeline	\$690,000
Contractor's cost with Contingency – Installation of Pipeline and Slope Repair	<\$480,700>
Additional costs such as inspection and construction management services	<\$40,565>
Professional Engineering and Geotechnical Services	<\$57,020>
Total Project Cost Estimate	<\$578,285>
Amount Remaining in Project	\$111,715

Prepared by: Submitted by:



David S. Gould, P.E.
District Engineer

Thomas A. Love
General Manager

Attachments:

1. AMEC Proposal dated 2/14/17
2. DMc Engineering Proposal dated 2/14/17



February 14, 2017

Project # 92310080

Mr. David Gould, PE
Crescenta Valley Water District
2700 Foothill Blvd
La Crescenta, CA 91214

Re: Pickens Canyon Project – Field Observation: Upcoming Slope and Pipeline Work

Dear Mr. Gould:

Per our recent communications, we understand that Amec Foster Wheeler (Amec) is to provide a field technician to observe field work by the contractor that CVWD selected for the Pickens Canyon pipeline section replacement and slope repair. This letter is our scope and cost estimate for that work. We will perform the work on a time-and-materials basis.

We understand that the contractor has indicated that the work would take 60 calendar days (~8½ weeks or 43 working days) to complete. As we discussed, Amec can provide support for the entire period, however, CVWD would like an estimate for Amec to provide observation services for half of the work period (estimated 22 work days).

An Amec senior field technician will be on site each day to observe the contractor's work and to document the work performed. Our technician will notify CVWD promptly if there are concerns expressed by the property owners adjacent to the worksite or nearby. He will take photographs of the contractor's work and keep a daily field record of the work performed including:

- Work start and stop times,
- Contractor and other personnel on site and when they arrive and depart the site,
- Visitors to the site, including when they arrive and depart,
- General work conditions,
- Work performed,
- Any work performed outside the general work area limits, including those near the bottom of the slope,
- Concerns or issues that may be of interest to CVWD.

Field records will be submitted to CVWD by email by noon each following day.

P:\9231.000.0\9231.008.0\Docs\Letter SOW and budget 2-14-17.docx

AMEC Foster Wheeler Environment & Infrastructure, Inc.
121 Innovation Drive, Suite 200
Irvine, CA
USA 92617-3094
Tel (949) 642-0245
Fax (949) 642-4474
www.AMECfw.com



Mr. David Gould, P.E.
Crescenta Valley Water District
February 14, 2017
Page 2

We assume that, including travel time to and from the site from our LA office, work will be 11 hours per day. After the project is finished, we will provide our photographs of the work to CVWD. Our scope of work does not include a summary report, however. We understand that this is a prevailing wage job. Table 1 below summarizes the estimated costs. Our estimated total cost is \$33,035.

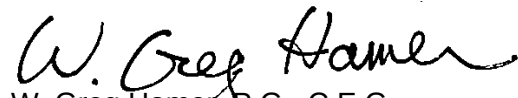
Table 1. Estimated Costs

Labor Category	Number of Hours	Hourly Rate	Labor Total	Non-Labor Cost (mileage/expenses)	Total Estimated Cost
Principal/Project Manager	8	\$220.00	\$1,760	\$100	\$1,860
Senior Technician	250	\$115.00	\$28,750	\$2,200	\$30,950
Administrative Support	3	\$75.00	\$225	\$0	\$225
TOTAL					\$33,035

In the event that the observation work requires more than 11 hours per day of Amec time or the work extends beyond 22 work days, we will notify CVWD as soon as possible regarding modification of the project scope of work and budget.

We anticipate starting work on or about February 23, 2017. Please contact me at 949-574-7093 or via email if you have questions.

Sincerely,
Amec Foster Wheeler Environment & Infrastructure, Inc.


W. Greg Hamer, P.G., C.E.G.
Principal Hydrogeologist

Direct Tel.: 949 574-7093
E-mail: greg.hamer@amecfw.com



DMc Engineering
CIVIL • SURVEYING • PLANNING • CONSTRUCTION

February 14, 2017

JN1245-05
Addendum 1

Mr. David Gould, PE
District Engineer
Crescenta Valley Water District
2700 Foothill Blvd.
La Crescenta, CA 91214

**SUBJECT: CRESCENTA VALLEY WATER DISTRICT, LOWER PICKENS CANYON PIPELINE
CROSSING PROJECT E-957: CONSTRUCTION MANAGEMENT**

Dear David:

In accordance with your request in an email dated February 13, 2017, DMc Engineering is pleased to provide you and Crescenta Valley Water District with this Addendum 1 to provide construction management services for the above referenced subject project.

We appreciate the opportunity to once again work with you and the Crescenta Valley Water District. Upon acceptance, it is our understanding we will receive authorization in the form of a Purchase Order. In the interim, should you have any questions, please do not hesitate to call.

Sincerely,

DMc Engineering

A blue ink handwritten signature, appearing to read 'Derek J. McGregor', is written over a horizontal line.

Derek J. McGregor, PE, PLS
Principal

DJM:cg

I:\JOB FILES\1245-05 Crescenta Valley WD_Lower Pickens_Survey-Mapping-Eng\CONTRACT\ADDENDUMS



JN1245-05
ADDENDUM 1
SCOPE OF WORK

LOWER PICKENS CANYON PIPELINE CROSSING PROJECT E-597

Client (Crescenta Valley Water District) and Consultant (DMc Engineering) for mutual consideration herein set forth, agree as follows:

Consultant agrees to perform the following services:

A. CONSTRUCTION MANAGEMENT SERVICES

1. DMc Engineering will assist Client in the setup and conducting of a Pre-Construction Meeting with selected Contractor.
2. DMc Engineering will assist in providing Construction Management Services. These services will include field observation of the contractor's daily activities, construction schedule monitoring and/or site related issues. This also includes preparation of daily reports, pay applications, obtaining response to RFI's, RFC's, Shop Drawings, Change Order Requests, and project closeout. DMc will provide assistance in scheduling the appropriate geotechnical inspections.
3. DMc Engineering will assist Client on an as-needed basis for services that are not a part of the scope of work.



JN1245-05
ADDENDUM 1
FEE SCHEDULE

LOWER PICKENS CANYON PIPELINE CROSSING PROJECT E-597

Client agrees to compensate consultant for the services as noted below:

A. CONSTRUCTION MANAGEMENT SERVICES	<u>PM</u> (170)	<u>CM</u> (100)	<u>FEE \$</u>
1. Assist with Pre-Construction Meeting	4	4	1,080
2. Provide Construction Management Oversight		80 (1)	8,000
3. Assist Client on an As-Needed Basis		8 (2)	800
PROFESSIONAL FEE			9,880
REIMBURSABLE EXPENSES			(3)
TOTAL PROFESSIONAL FEE			\$9,880 +(3)

- (1) This assumes 4 weeks of construction at 20 hours per week.
(2) This assumes a budget amount of 8 hours.
(3) Reimbursable costs are estimated to be 10% of the professional fee.

Should you have any questions or concerns regarding the above, please do not hesitate to contact our office.

These Consultant Services were not included in our original Scope of Work for the above project. Therefore, we request your approval of an additional **Fee of \$9,880 plus** the cost of reproductions, computer plotting, copying, and messenger services.

ADDENDUM APPROVED BY:

SIGNATURE: _____

PRINT NAME: _____

TITLE: _____

DATE: _____

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1
February 21, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Discussion of Projected Water Demands for FY 17/18 and Estimated Water Demands from FY 18/19 through FY 26/27

ACTION ITEM:

Discussion of Projected Water Demands for FY 17/18 – Discussion of projected water demand for FY 17/18 and estimated water demands from FY 18/19 through FY 26/27.

BACKGROUND:

An important element of preparing the annual water budget is estimating the water demands for the coming fiscal year as this will directly relate to the annual revenues need by the District and the cost for imported water from FMWD. The future water demand estimates are based on past water use trends, weather conditions, economic conditions and water conservation goals. The last three (3) years, the District has seen a decrease in water demands due to the state-wide drought and strict conservation measures. At the start of FY 16/17, staff projected a total water demand of 3,700 ac-ft, which was 6% higher than the previous year of 3,504 ac-ft and was reflected in the FY 16/17 water budget and water rate increase. The updated water demand projection for FY 16/17 is 3,815 ac-ft, which is 3% higher than the budget.

DISCUSSION:

Staff has prepared the projected water demand for FY 17/18 and estimated water demands from FY 18/19 through FY 26/27, which was presented to the Engineering Committee. The elements of the projected water demand which is shown on the attached table and chart are based on the following assumptions:

- A 4% to 6% annual increase in total water demand from FY 17/18 through FY 21/22 based on the Community's water conservation effort and improved residential water efficiency.
- From FY 22/23 through FY 26/27, the water demand is estimated to be 4,900 ac-ft/yr years (5% less than 2020 goal of 5,150 ac-ft).
- A slow recovery of groundwater production - 150 ac-ft/yr (or 8%) for the next 10 years
 - Groundwater production typically increases after a greater than average rainfall year and is based on past trends.
- Groundwater production includes the re-activation of Well 2 in FY 17/18
- Groundwater production will not reach CVWD's adjudicated rights (3,294 ac-ft) for the next 10-years
- Estimated the amount of imported water from FMWD will increase as the Verdugo Basin recovers until FY 20/21
- From FY 22/23 through FY 26/27, the amount of imported water from FMWD is estimated to decrease as the groundwater production increases

Also shown in the attached table are the projected costs for imported water from FMWD which range from \$2.9M to \$3.65M per year. The FMWD costs include a 5% annual increase in MWD rates, capacity charge and readiness to serve charge for the next 10 years. The FMWD maintenance and operation charges, power charges and CIP charges are also estimated to increase annually by 5%.

RECOMMENDATION:

The Engineering Committee recommended that the water demand projection be discussed with the Board of Directors as it has an effect on the Budget. The Committee also expressed concerns about the groundwater production estimates and the future costs to repair the State Water system in Northern California.

Prepared by:



David S. Gould, P.E.
District Engineer

Attachments:

Submitted by:

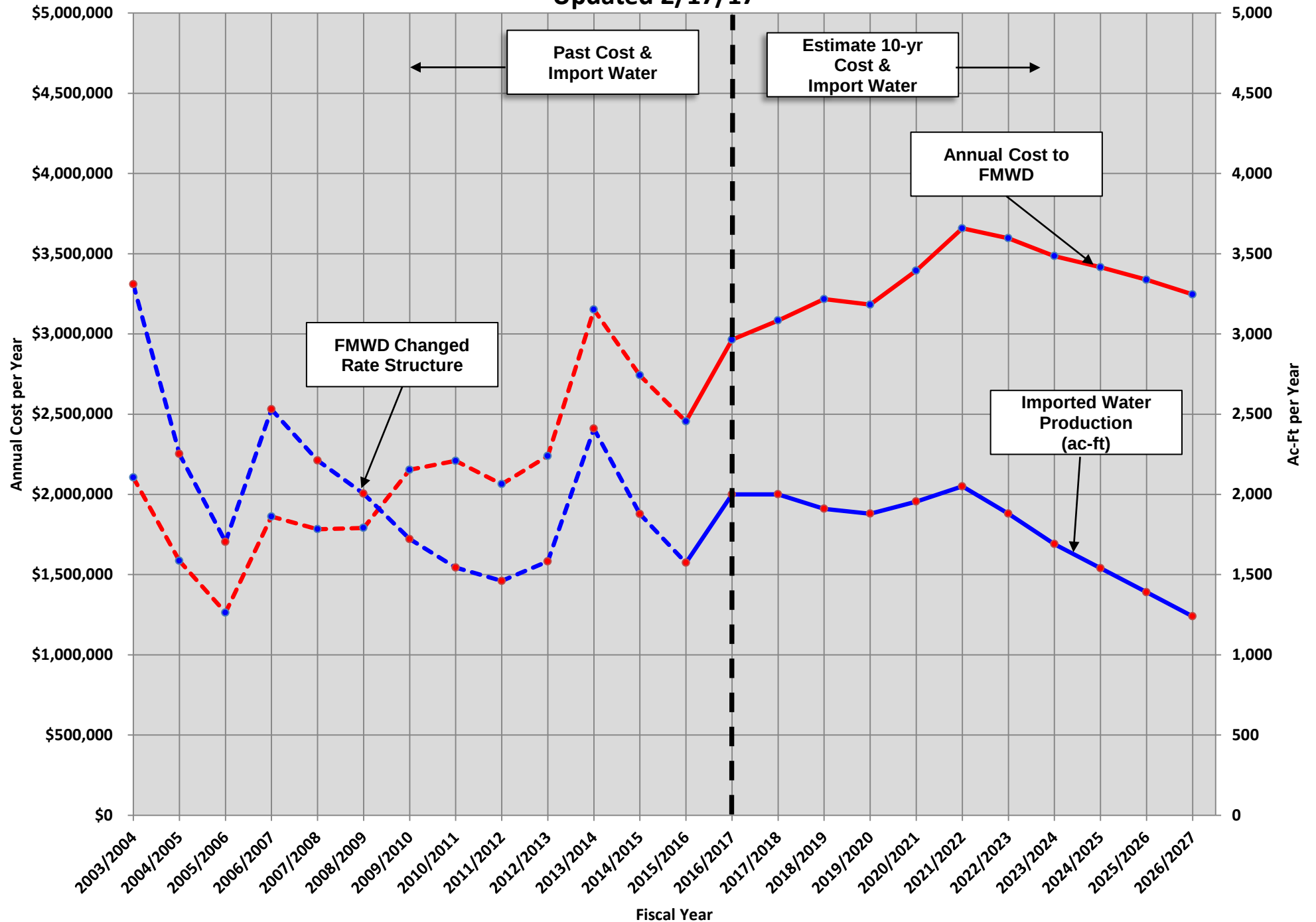
Thomas A. Love
General Manager

Crescenta Valley Water District 10-year Water Demand Estimate

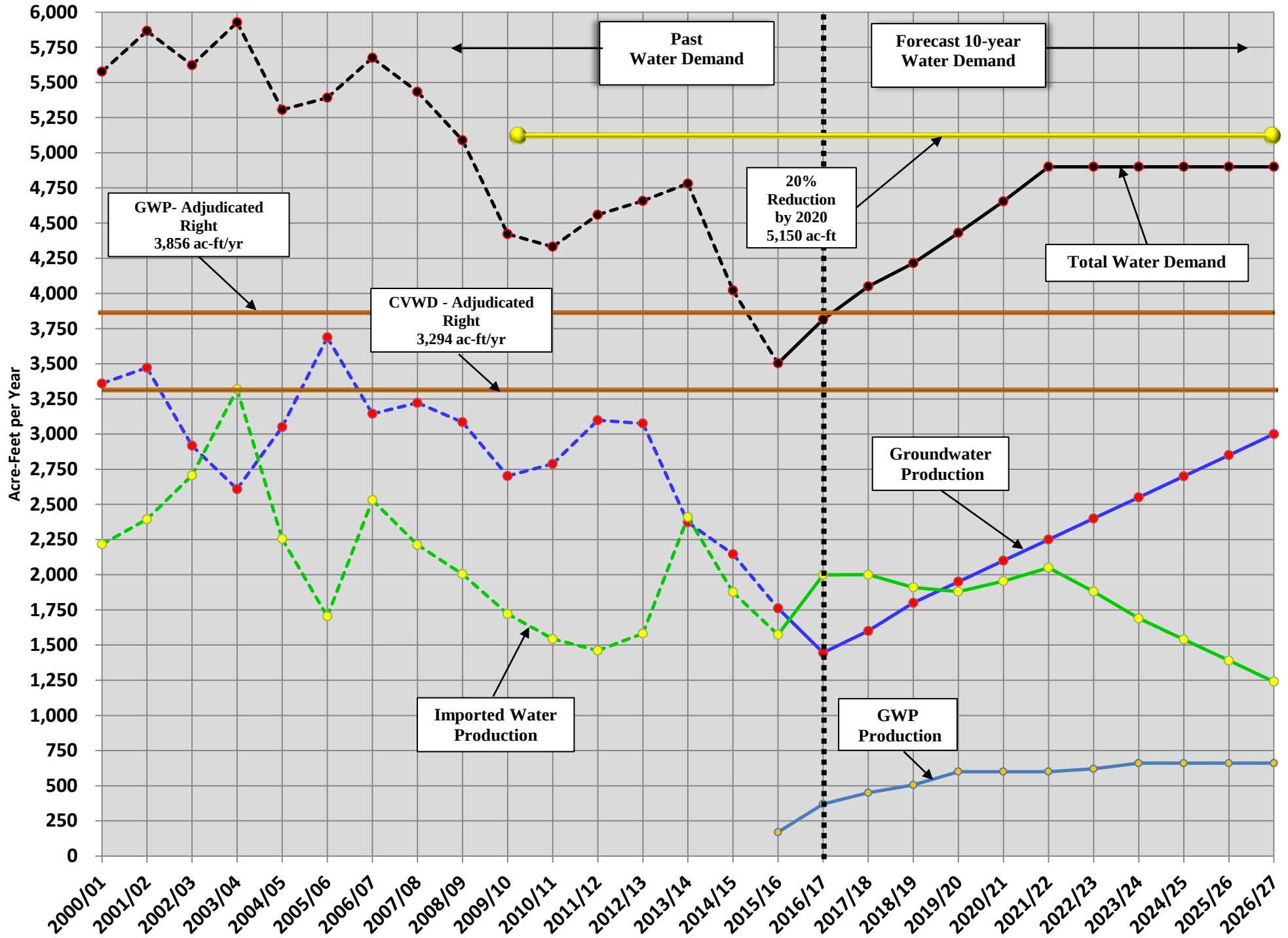
Fiscal Year	Groundwater (ac-ft)	GWP (ac-ft)	FMWD (ac-ft)	Total Water Production (ac-ft)	Percent Increase or Decrease	Estimate FMWD Cost
2013/14	2,372	0	2,410	4,782	2.7%	\$3,151,636
2014/15	2,146	0	1,876	4,022	-15.9%	\$2,742,335
2015/16	1,761	169	1,573	3,504	-12.9%	\$2,454,524
<i>Estimate 2016/17</i>	<i>1,445</i>	<i>370</i>	<i>2,000</i>	<i>3,815</i>	<i>8.9%</i>	<i>\$2,963,910</i>
2017/18	1,600	450	2,000	4,050	6.2%	\$3,084,074
2018/19	1,800	505	1,910	4,215	4.1%	\$3,217,292
2019/20	1,950	600	1,880	4,430	5.1%	\$3,182,786
2020/21	2,100	600	1,955	4,655	5.1%	\$3,394,731
2021/22	2,250	600	2,050	4,900	5.3%	\$3,657,991
2022/23	2,400	620	1,880	4,900	0.0%	\$3,596,748
2023/24	2,550	660	1,690	4,900	0.0%	\$3,485,455
2024/25	2,700	660	1,540	4,900	0.0%	\$3,415,563
2025/26	2,850	660	1,390	4,900	0.0%	\$3,337,769
2026/27	3,000	660	1,240	4,900	0.0%	\$3,246,239

FMWD - Annual Cost & Import Water Production - FY 03/04 to FY 26/27

Updated 2/17/17



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



**Crescenta Valley Water District
Recap of Investments
Fiscal Year 2016-17**

As of
January 2017

[illegible]

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

GM Report
February 21, 2017

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

Water Supply Status

Local and regional water supplies have continued to improve. Precipitation in the Sierra Mountains, the primary supply for the State Water Project, is trending above the wettest year on record. The State Water Project Allocation is currently 60% and highly likely to increase. Local precipitation is also trending above average and local groundwater levels should begin to improve over the next few months. Attached is a water supply status report containing graphical summaries of State and local water supply conditions.

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, 2016	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

There are two staff retirements this month, the Accountant and Water Conservation Specialist.

As of February 3rd, the District has worked **969 days** without a lost time accident.

Prepared & Submitted by:

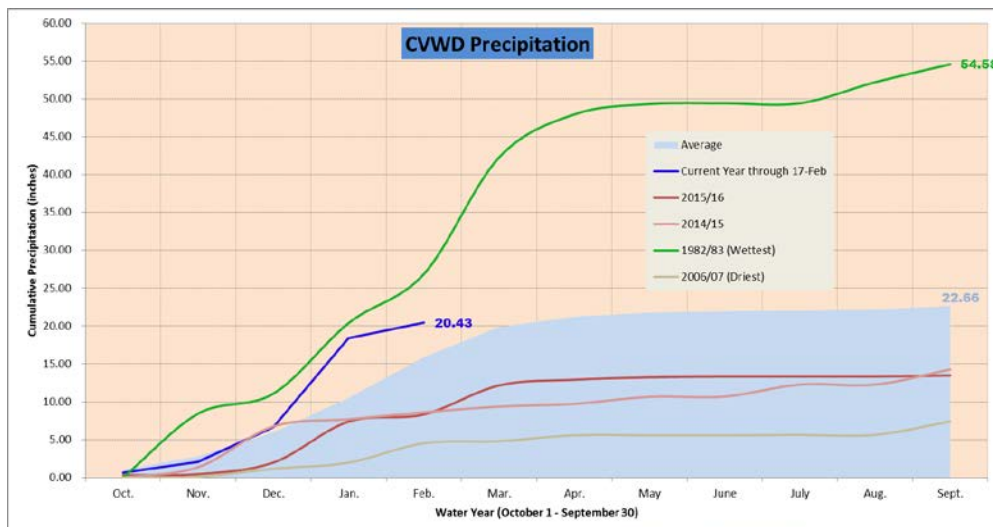
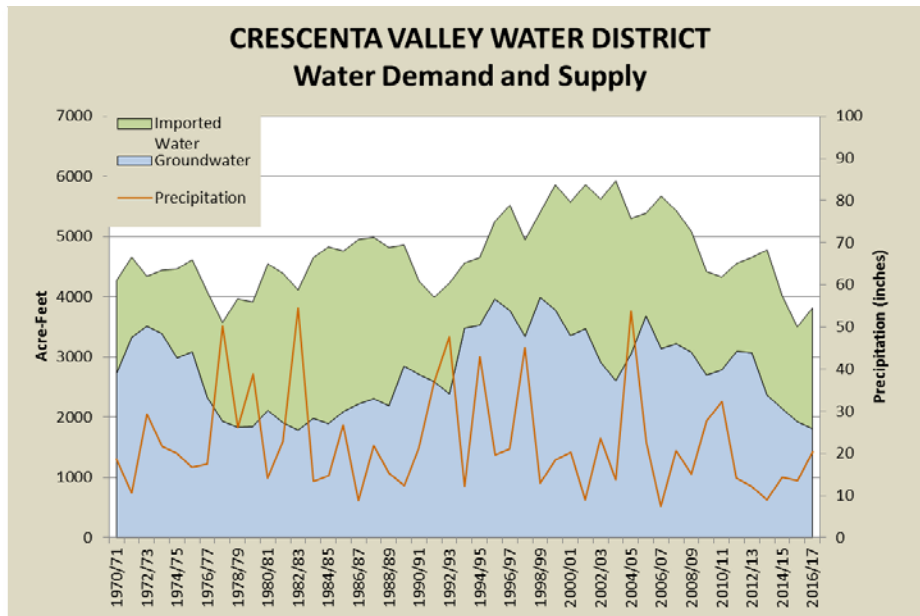


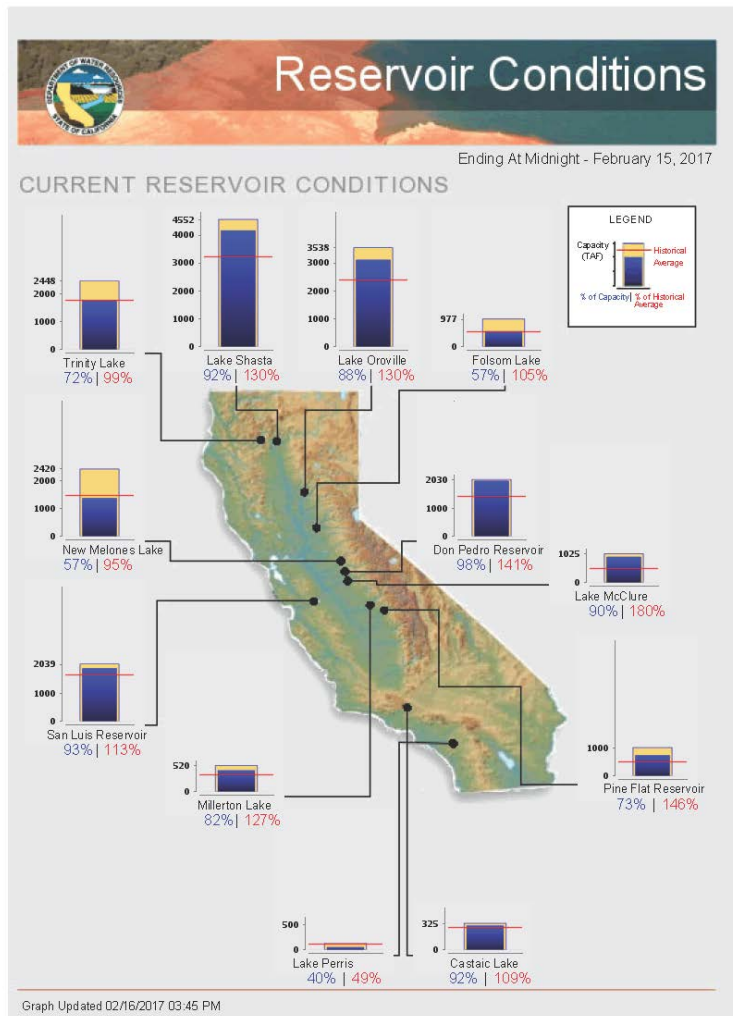
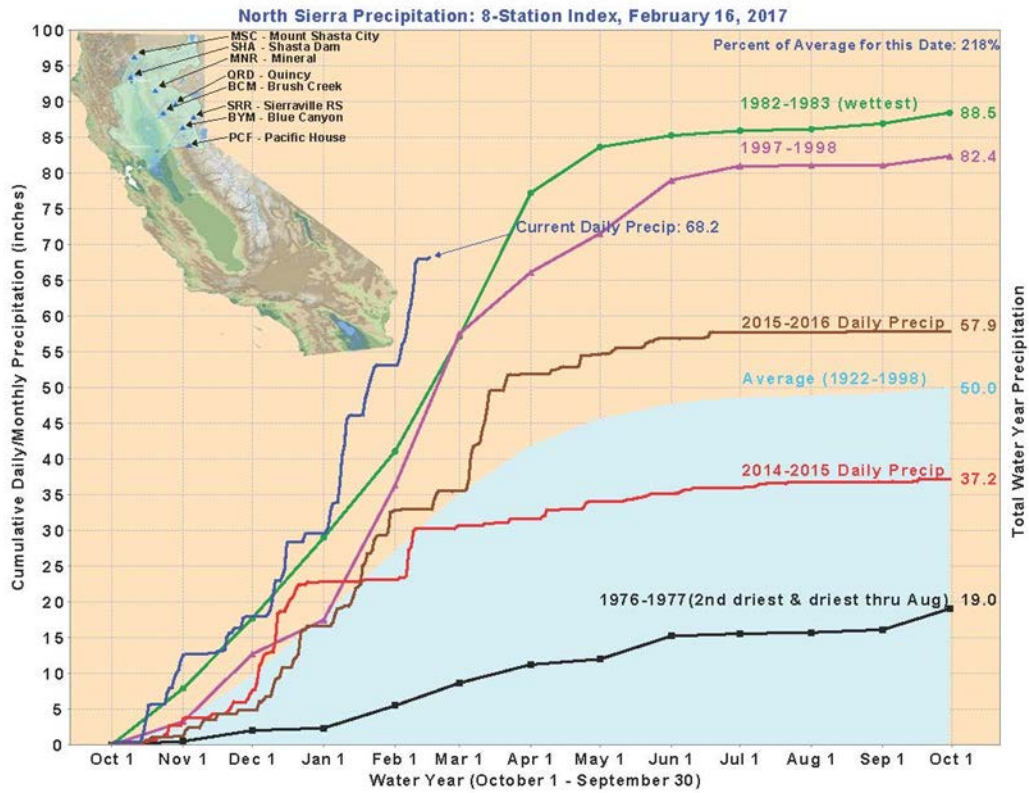
Thomas A. Love, P.E.
General Manager

Crescenta Valley Water District Water Supply Update February 16, 2017

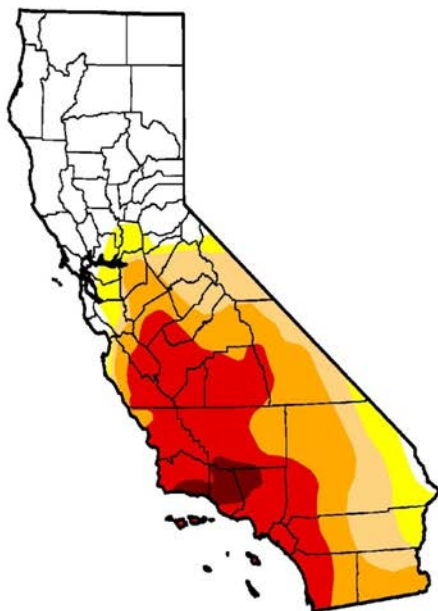
CVWD Water Supply Sources:

- **Verdugo Groundwater Basin (Wells)**
- **Imported Water (Metropolitan Water District)**
 - State Water Project (California Aqueduct)
 - Colorado River Aqueduct

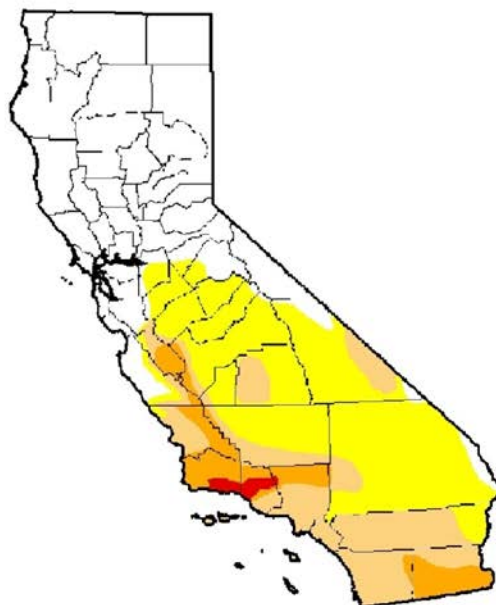




January 17, 2017
 (Released Thursday, Jan. 19, 2017)
 Valid 7 a.m. EST

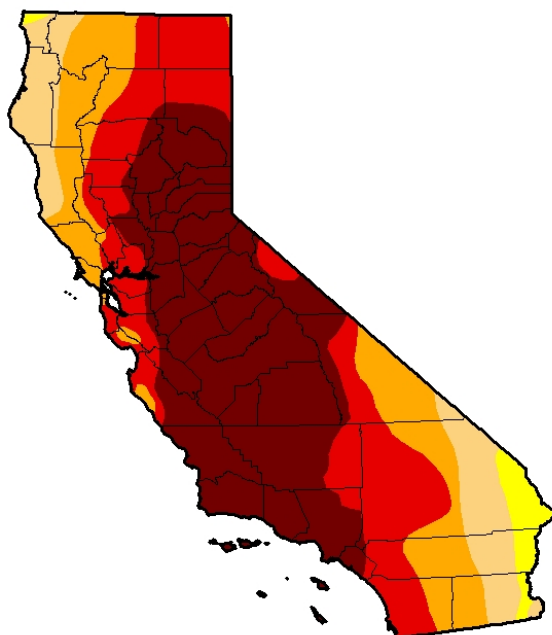


February 14, 2017
 (Released Thursday, Feb. 16, 2017)
 Valid 7 a.m. EST



U.S. Drought Monitor California

January 19, 2016
 (Released Thursday, Jan. 21, 2016)
 Valid 7 a.m. EST



Intensity

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
 Mark Svoboda
 National Drought Mitigation Center

Mark Hass

From: Thomas Love
Sent: Wednesday, February 08, 2017 6:53 PM
Subject: FW: Member Communication: Southern California Edison Water Rationing
Attachments: pr020817_conservation_renewal.pdf

To: Board Members, Legal Council, Managers.

Directors, today the State Water Resources Control Board extended the state wide mandatory water conservation mandate, see attached press release. The CVWD Draft press release regarding the Districts conservation alert level will be forwarded tomorrow. The CVWD conservation standard under the modified state mandate is currently 0%, meaning the District has certified there are sufficient water supplies for the next three years.

I have included links to articles related to drought and water conservation measures in Pasadena and Orange County. Also Director Tejeda has forwarded a link to an announcement regarding relaxation of water conservation measures on Catalina Island. Also, an article regarding a coalition of water interests, mostly in the Central valley, is included at the bottom of this email.

<http://www.pasadenanow.com/main/get-used-to-saving-water/#.WJvRT28rlqN>

<http://www.ocregister.com/articles/drought-743301-water-state.html>

From: catalinagr101@sbcglobal.net [mailto:catalinagr101@sbcglobal.net]
Sent: Wednesday, February 8, 2017 3:14 PM
To: Thomas Love; Ron Mitchell; David Gould; Christy Scott; Tom Bunn; Mark Hass
Subject: Fw: Member Communication: Southern California Edison Water Rationing

Tom L: Please pass this info on to 4 other Board members. Thanks. Judy

On Wednesday, February 8, 2017 11:08 AM, "Jim Luttjohann, Catalina Island Chamber of Commerce & Visitors Bureau" <jluttjohann@catalinachamber.com> wrote:

Having trouble viewing this email? [Click here](#)

You're receiving this email because of your relationship with Catalina Island Chamber of Commerce & Visitors Bureau. Please [confirm](#) your continued interest in receiving email from us.

You may [unsubscribe](#) if you no longer wish to receive our emails.



Southern California Edison Announces Lower Water Rationing Allowances

Please find below a link to Southern California Edison's announcement regarding a reduction in current water rationing levels due to recent rain.

Link to information [here](#).

Thank You.



Jim Luttjohann
President & CEO
Catalina Island Chamber of Commerce & Visitors Bureau

Catalina Island Chamber of Commerce & Visitors Bureau,
P.O. Box 217, #1 Green Pleasure Pier, Avalon, CA 90704

[SafeUnsubscribe™ catalinagr1101@sbcglobal.net](#)

jluttjohann@catalinachamber.com | [Update Profile](#) | [About our service provider](#)

Sent by jluttjohann@catalinachamber.com in collaboration with



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Coalition calls for end to California drought emergency

FRESNO, Calif. (AP) — A coalition of state and local leaders is pressing California to lift restrictions on urban water use after the wettest winter for years.

Water regulators in Sacramento on Wednesday will decide on a recommendation to extend the drought rules, uncertain if rain and snow will continue through spring.

Republican State Sen. Jim Nielsen of Gerber, who leads a swelling coalition of law makers and local water districts statewide, says it's time for Gov. Jerry Brown to end the drought emergency, or lose the public's trust. Californians heeded the call during the historic drought, taking shorter showers and ripping out their lawns during the five-year drought, but the weather has dramatically changed, which everybody can see, Nielsen says in a letter to the governor also signed by other officials.

"This is an emergency?" Nielsen told The Associated Press. "It's pretty hard to argue to the public, the citizens of California, that we are now in an emergency."

January rains drenched the state rising reservoirs, and the snowpack measures at 182 percent of normal. Tuesday storms swelled a creek in Marin County, flooding 40 homes. A rockslide blocked two lanes of a highway pass in the Santa Cruz mountains, officials said.

Managers of Lake Oroville, one of the state's largest reservoirs, stopped sending water over the dam's spillway Tuesday, after spotting boulder-size chunks of concrete falling off at the bottom. Authorities say there's no damage to the dam itself, and that there's no danger to the public.

So much rain had fallen in Los Angeles by Monday that the yearly total for downtown hit about 15 ½ inches — exceeding the normal annual rainfall, even though the new rain year won't start until October, the National Weather Service says.

The state, however, is "not yet declaring an end to the drought," California Natural Resources Agency spokeswoman Nancy Vogel said in an emailed statement. The governor's office referred request for comment to Vogel.

Some residents in the San Joaquin Valley still survive on bottled water because their wells are depleted, and swings from wet to dry years is only intensifying with climate change, Vogel said.

Brown declared the drought emergency in 2014 during the driest four-year period in California's recorded history.

He later ordered California's nearly 40 million people to cut water use by 25 percent —the first mandate of its kind in the state's history.

The State Water Resources Control Board, which enacts regulations, relaxed the requirement last year with more normal weather, allowing local districts to set their own conservation measures.

Water districts still must to weight their water supplies against demand, among requirements and report their water use to the state. Roughly 80 percent of local water districts in Northern and Southern California say they have ample water supplies, no longer requiring water-use cutbacks.

Tracy Quinn, a senior water policy analyst with the Natural Resources Defense Council, wants the state to hold onto its restrictions. She says it's unclear what weather the spring will bring, let alone next year.

She says water districts aren't always motivated by conservation, because their revenue is often tied to how much water they sell to customers. Many water districts say they've invested millions in water efficiency and don't need the state's oversight.

The healthy snowpack and brimming reservoirs also don't tell the whole story, she said, adding that the drought decimated groundwater supplies and will take years to be replenished.

"This is a long game," Quinn said. "Although we have had a welcomed respite from the drought, we don't know whether this is an aberration in an extended drought."

AP writers Ellen Knickmeyer in Sonoma and Christopher Weber in Los Angeles contributed to this story.

This story has been corrected to say that 40 homes in Marin County flooded Tuesday, not 50.

From: [Thomas Love](#)
Subject: FW: MWD PRESS RELEASE - METROPOLITAN GENERAL MANAGER ISSUES STATEMENT ON STATE BOARD'S DECISION TO EXTEND EMERGENCY DROUGHT REGULATIONS
Date: Thursday, February 09, 2017 7:25:35 AM
Attachments: [GM Statement On Emergency Conservation Regulations Release 020817 FINAL.pdf](#)

To: Board Members, Legal Counsel.

From: General Manager.

Directors, FYI.

From: Nina Jazmadarian [<mailto:nina.jaz@fmwd.com>]
Sent: Wednesday, February 8, 2017 7:49 PM
To: Bob Fan (bfan@valleywatercompany.com); Bob Hayward (bhayward@lawc.org); Christy Scott; 'lacanadaid@earthlink.net'; Lisa Yamashita-Lopez (Lisa@rclwa.org); MCWCH2OTIM@aol.com; Mel Mathews; Tom Flynn; Thomas Love; William Kimberling (williamkimberling@yahoo.com)
Cc: Daniel Drugan; Karen Oblak
Subject: FW: MWD PRESS RELEASE - METROPOLITAN GENERAL MANAGER ISSUES STATEMENT ON STATE BOARD'S DECISION TO EXTEND EMERGENCY DROUGHT REGULATIONS

Dear Managers,

Fyi.

Nina

From: Office of the General Manager [<mailto:OfficeoftheGeneralManager@mwdh2o.com>]
Sent: Wednesday, February 8, 2017 5:04 PM
To: Chris Marcarello (City of San Fernando) <CMarcarello@sfcity.org>; Christopher J. Garner (chris.garner@lbwater.org) <chris.garner@lbwater.org>; City of Los Angeles (David.Wright@ladwp.com) <David.Wright@ladwp.com>; David Pedersen (dpedersen@lvmwd.com) <dpedersen@lvmwd.com>; Garry Hofer (garry.hofer@amwater.com) <garry.hofer@amwater.com>; George Chavez (gchavez@beverlyhills.org) <gchavez@beverlyhills.org>; Gilbert Borboa (gil.borboa@smgov.net) <gil.borboa@smgov.net>; Hye Jin Lee (HyeJinL@ci.fullerton.ca.us) <HyeJinL@ci.fullerton.ca.us>; John Rossi (sbloodworth@wmwd.com) <sbloodworth@wmwd.com>; Joseph Grindstaff (Inland Emp) (jgrindstaff@ieua.org) <jgrindstaff@ieua.org>; Kenneth Holcomb (kholcomb@comptoncity.org) <kholcomb@comptoncity.org>; Kevin Hunt (kevinh@centralbasin.org) <kevinh@centralbasin.org>; Maureen Stapleton (sryan@sdca.org) <sryan@sdca.org>; Michael De Ghetto (MDeGhetto@GlendaleCA.GOV) <MDeGhetto@GlendaleCA.GOV>; Michael Moore - Anaheim, City of (mrmoore@anaheim.net) <mrmoore@anaheim.net>; Mike Jouhari (mjouhari@anaheim.net) <mjouhari@anaheim.net>; Nabil Saba (nsaba@santa-ana.org) <nsaba@santa-ana.org>; Nina Jazmadarian <nina.jaz@fmwd.com>; P. E. Paul D. Jones II (jonesp@emwd.org) <jonesp@emwd.org>; rbeste@TorranceCA.Gov (Robert Beste - Torrance) <rbeste@TorranceCA.Gov>; rdavis@ci.burbank.ca.us (Ronald Davis - Burbank)



The Metropolitan Water District of Southern California

NEWS RELEASE

P. O. Box 54153, Los Angeles, California 90054-0153 • (213) 217-6485 • www.mwdh2o.com

Contacts: Rebecca Kimitch, (213) 217-6450; (202) 821-5253, mobile
Bob Muir, (213) 217-6930; (213) 324-5213, mobile

Feb. 8, 2017

METROPOLITAN GENERAL MANAGER ISSUES STATEMENT ON STATE BOARD'S DECISION TO EXTEND EMERGENCY DROUGHT REGULATIONS

Jeffrey Kightlinger, general manager of the Metropolitan Water District of Southern California, issues the following statement on the State Water Resources Control Board's decision to extend the state's emergency drought regulations:

"Southern Californians have done a tremendous job conserving water throughout our state's historic drought and we urge them to continue making conservation a way of life. But we are no longer in a drought emergency, which is why we asked the State Water Board to let the emergency drought regulations expire.

"Conditions have changed significantly since the drought emergency was declared. With supply conditions improving last year, we began rebuilding our regional reservoirs, thanks in part to a 60 percent allocation from the State Water Project – as much as the three previous years combined. We were also able to deliver water to local groundwater basins to help replenish their low levels. This year is looking even better. The State Water Project allocation is already at 60 percent and likely to grow. We have been steadily refilling Diamond Valley Lake, Metropolitan's main storage reservoir, and it is anticipated to reach capacity later this year. And snowpack levels, the state's biggest storage supply, are reaching record levels.

"But, while the emergency has ended, the need to conserve has not. Every drop of water saved is a drop we can put into storage to be better prepared for the next dry year. And we need it. All but two of the last 10 years have been dry, depleting our storage levels. Southern Californians learned a lot about water conservation during the latest drought. We cannot afford to forget those lessons."

###

The Metropolitan Water District of Southern California is a state-established cooperative of 26 cities and water agencies serving nearly 19 million people in six counties. The district imports water from the Colorado River and Northern California to supplement local supplies, and helps its members to develop increased water conservation, recycling, storage and other resource-management programs.

From: [Thomas Love](#)
Subject: Draft Press Release - Water Conservation Alert
Date: Thursday, February 09, 2017 8:42:23 AM
Attachments: [02-08-2017 CVWD relaxes Water Conservation Alert to Blue - Draft.docx](#)

To: Board Members, Legal Counsel.

From: General Manager.

Directors, for your review and comment I have attached is the draft press release regarding the conservation alert level. I have included statements reflecting the Directors concerns related to continued conservation and future drought conditions will require changes to the conservation alert level.

If you would like to discuss, please call my cell 626-825-3678. I am attending the Urban Water Institute Conference and am not in the office.

The following are the water conservation measures that remain in effect under the Blue Water Conservation Alert.

PHASE I –NORMAL WATER CONSERVATION

Phase I standard water conservation practices will be in effect at all times. The CVWD Board of Directors has adopted the following measures to reduce consumption and prohibit water waste for existing

and new water users within CVWD in order to sustain water supply reliability.

Prohibited Use Applicable to Existing and New Customers

1. Water hose usage: Hose washing of sidewalks, walkways, driveways, or parking areas, tennis courts, patios, porches or other paved areas shall not be permitted. Exception: Flammable or other dangerous substances may be disposed of by direct hose flushing by public safety officers for the benefit of public health and safety. Businesses or schools required to hose down public eating areas will be provided with access to a water broom.
 2. Overspray and runoff: Use of water for any purpose which results in overspray, excessive runoff onto hardscapes, driveways, streets, adjacent lands or into gutters shall not be permitted.
 3. Fountains, similar structures and swimming pools: Water used to clean, fill or maintain levels in decorative fountains or similar structures must be part of a recirculation system.
 4. Leaks: Leaks from any facility both inside and outside of a customer's premises must be repaired within seventy-two hours after the customer is notified of, or discovers the leak. Failure to affect the repair of any leak shall subject said customer to all penalties provided herein for waste of water.
 5. Irrigating times: No watering, sprinkling or irrigating shall take place between the hours of nine a.m. (9:00AM) and five p.m. (5:00PM) in any landscaped or vegetated areas, including, but not limited to, golf courses, parks, cemeteries and school areas landscaped with, but not limited to, grass, lawn, groundcover, shrubbery, annual and perennial plants, crops, trees, and California-friendly plantings.
- 2 Revised Rules & Regulations – 07/11/12
6. Hand Watering: Hand watering of non-turf areas is allowed using a hose with a positive shutoff

nozzle or watering can within the allowable times as specified above.

7. Windy and rainy days: No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray, and on days when it is raining.

8. Vehicle washing: The washing of commercial and non-commercial privately owned automobiles, trucks, trailers, motor-homes, boats, buses, airplanes and other types of vehicles is restricted to use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle. Exceptions: the use of wash water which is on the immediate premises of a commercial car wash or commercial service station; where health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles which transport food and perishables.

9. Swimming pools: Owners of outdoor swimming pools, wading pools or spas, when these are not in use, are requested to use covers to minimize the evaporation of water.

10. Construction water restrictions: Water for construction purposes including but not limited to de-brushing of vacant land, compaction of fills and pads, trench backfill and other construction uses, shall be used in an efficient manner which will not result in runoff.

11. Fire hydrants: The use of potable water from fire hydrants shall be limited to firefighting related activities or other activities immediately necessary to maintain the health, safety, and welfare of the residents of the city.

12. Drinking water upon request: No restaurant, hotel, café, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any customer unless expressly requested by a customer.

13. Hotels/Motels: Hotels, motels, and other commercial lodging establishments are requested to post notices informing their guests about the city's water conservation policy and urging guests to conserve water. Water conservation notices will be provided by CVWD.

14. Hotels/Motels: Hotels, motels and other commercial lodgings are requested to post notices giving their guests the option of not laundering towels and linens daily.

15. Reporting waste of water: The District shall maintain a program for residents to report waste of water throughout the District boundaries. This will include an online submittal form, a dedicated phone number, and follow-up by District staff on all waste of water reports. Residents are requested to report any observed waste of water from surrounding properties or in the community and report to the District for follow-up.

16. Pre-rinse spray valve: Where applicable, restaurants must utilize water conserving nozzles.

17. New Development (new commercial and multi-family accounts):

1) All new commercial and multi-family accounts are prohibited from water waste such as, but not limited to: single-pass cooling systems; conveyor and in-bay vehicle wash and commercial laundry systems which do not reuse water; non-recirculating decorative water fountains.

2) All landscape must be in accordance with the permitting agency's landscape ordinance. If the permitting agency does not have a landscape ordinance, the Department of Water Resources Model Landscape Ordinance will apply.

Mark Hass

From: Thomas Love
Sent: Tuesday, February 14, 2017 3:29 PM
Subject: Oroville Dam Updates

To: Board Members, Legal Counsel.

With the significant news coverage of the damage to the Oroville Dam spillways and emergency measures being implemented by the State you may have some questions about the possible implications for CVWD which are related to water supply and State Water Project cost. I am providing a brief summary of the situation.

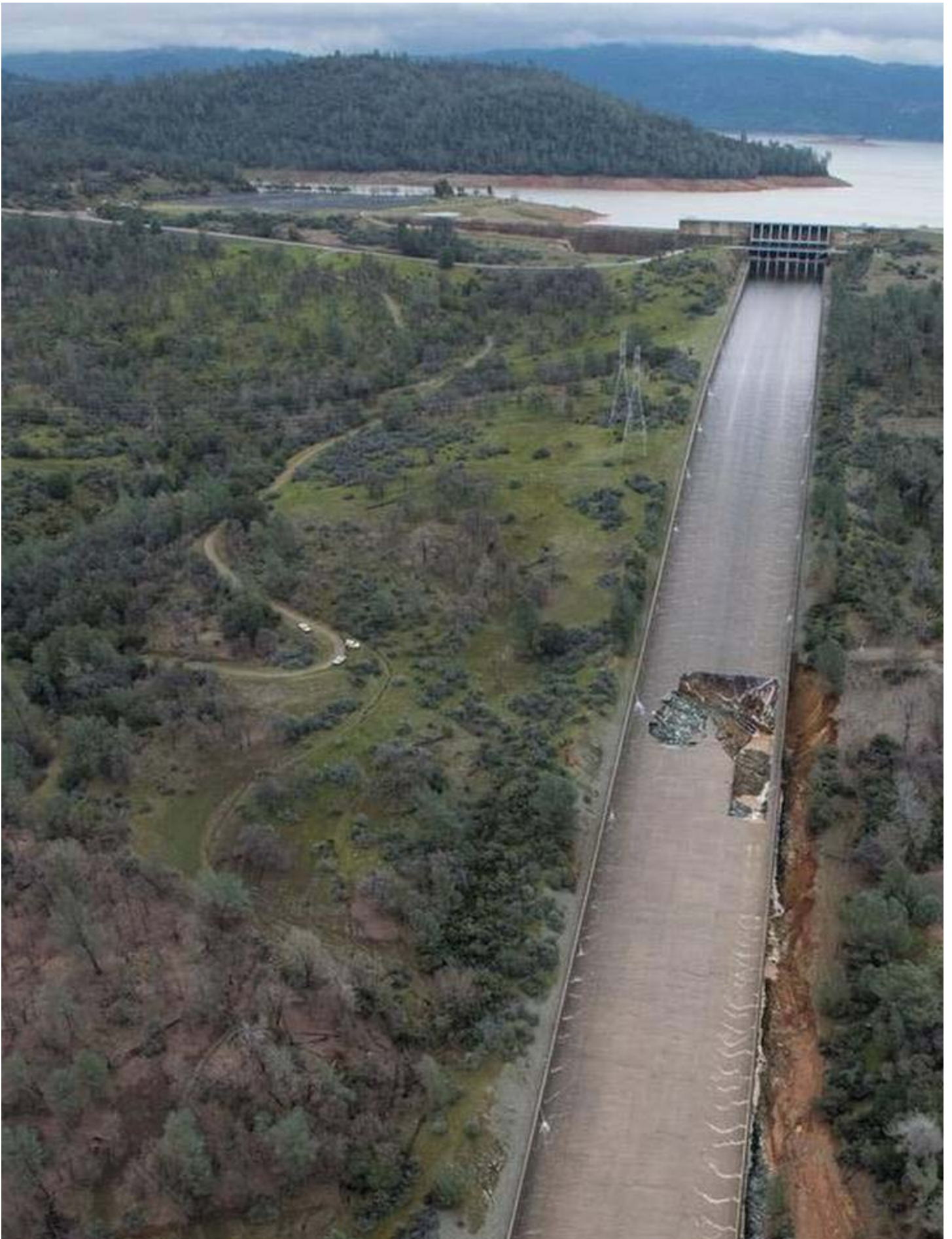
Most large dams, including Oroville Dam, have an operating flood control spillway which can control releases of large volumes of water as the reservoir nears capacity and an emergency spillway used in the event of extreme high flows or failure of the controlled operating spillway. At Oroville Dam both the operating spillway and emergency spillway are not located on the main dam structure, but on a natural saddle near the main dam structure. This location of the spillways is why the main dam structure is not in danger as stated by the Department of Water Resources (DWR), which operates and maintains Oroville Dam.

Early last week, with water being released through the operating spillway, significant damage was observed midway down the spillway concrete apron (see photos below). DWR temporarily suspended spillway releases to inspect the damage, but releases were resumed at a lower rate due to the rapidly rising reservoir water level. With the rising reservoir water began flowing over the emergency spillway, which has never been used, last weekend. The flows caused erosion on the emergency spillway which could compromise the emergency spillway concrete weir prompting the evacuation order. DWR increased releases at the operating spillway to 100,000 cubic feet per second (748,000 gallons per second) which lowered the reservoir level below the emergency spillway by Monday morning. DWR has continued to release water down the operating spillway to lower the reservoir level making additional space available for more rainfall expected later this week. These high flows are causing additional damage to the lower section of the operating spillway, but this is preferable to risking failure of the emergency spillway weir.

There should be no impact to the State Water Project supply as a result of the damages to the flood control (operating) spillway or emergency spillway. DWR has made assurances that the main dam structure is not in danger. Even if the emergency spillway concrete weir is compromised, although catastrophic for the downstream communities, should not have a significant impact on State Water Project supplies.

Early estimates of the cost to repair the damaged concrete and erosion on the flood control spillway were up to \$200 million. This estimate could easily increase to over \$500 million with the recent damage to the emergency spillway and continued erosion occurring on the flood control spillway. This repair cost will be paid, over time, by the State Water Project Contractors (SWC), including MWD. My rough estimate of the cost of water is \$1 per acre foot per \$100 million in repair cost.

Here is a link to the latest fact sheet issued by DWR. http://www.water.ca.gov/news/newsreleases/2017/021317-am_factsheet.pdf





Mark Hass

From: Thomas Love
Sent: Thursday, February 16, 2017 2:41 PM
Subject: Riverside County water supplier ditches most restrictions

To: Board Members, Legal Counsel.

From: General Manager.

Directors, here is a recent article related to water conservation restrictions. Per our discussion at the last Board meeting I am contemplating a reduction in the Districts water conservation alert. I have highlighted some statements cited in the article which I feel are relevant to the Districts situation.

Key points to consider:

1. We can trust our customers. They have earned that trust by exceeding our call for conservation.
2. The Districts conservation standard, mandated by the State, is 0% based on the State's water supply stress test criteria. The water supply situation has dramatically improved since that time.
3. The Districts Green and Blue conservation alerts require the same conservation practices as Yellow. The only change is the flexibility for allowed outdoor watering days.
4. Neighboring water agencies are not planning on changing conservation alerts in the near future. However the District has invested (customer investment) significantly more in conservation measures and water supply redundancy than the other FMWD member agencies combined. In fact the District was the first in the Nation to offer turf removal rebates which started in 2003/04. The Districts customers should be able to benefit from their investment.
5. There is currently a glut of imported water. Regional water districts are searching for water storage opportunities. Recently LADWP contacted staff indicating that they (LADWP) are looking for opportunities to deliver excess water.

At the next Board meeting staff will present the projected water supply and demand projections which are influenced by conservation measures. I look forward to hearing the Directors comments at that time.

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

Riverside County water supplier ditches most restrictions

Water bills may go down after Eastern Municipal Water District restores pre-drought emergency order rates for excessive or wasteful use

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•
By SUZANNE HURT / STAFF WRITER

Published: Feb. 15, 2017 5:57 p.m.

, FRANK BELLINO, STAFF PHOTOGRAPHER

Eastern Municipal Water District dropped most water restrictions Wednesday – moving from measures taken to meet the state’s mandatory conservation orders to encouraging **voluntary savings among customers**.

While state bans on wasteful water use remain, the district board voted unanimously to end its own restrictions and return the water rate structure to pre-drought emergency order levels after supplies increased following heavy rain and snowfall, especially in Northern California.

Western Riverside County remains in a **moderate drought**.

ADVERTISING

Since June 1, 2015, the district’s customers saved 28,000 acre-feet of water, or nearly 90 million gallons, over 2013 use – roughly what 56,000 households use in a year, said Eastern Municipal spokesman Kevin Pearson.

“Our customers stepped up,” he said. “The time is right for those restrictions to be eased.”

The district provides water to about 795,000 people living and working in a 555-square-mile area from Moreno Valley to Temecula, San Jacinto and Hemet.

On Feb. 8, the State Water Resources Control Board extended an amended statewide emergency water conservation regulation for 270 days, despite many water suppliers’ pleas for an end to the regulation.

The district board took action so quickly partly to maintain public trust, so customers know there’s an actual emergency the next time the district takes steps under its water shortage contingency plan, Pearson said.

Customers will now be charged at a Tier 3 “excessive” rate of \$6.22 per billing unit, or 748 gallons, in most areas if they use 101 percent to 150 percent of their water budget, and a Tier 4 “wasteful” rate of \$11.38 per billing unit over 150 percent. Tier 3 rates had been suspended since June 2015.

From: [Thomas Love](#)
Subject: FW: Oroville Background Information and Timeline
Date: Friday, February 17, 2017 12:08:36 PM
Attachments: [SWC Oroville Background FINAL.pdf](#)

To: Board Members, Legal Counsel

New Oroville summary from State Water Contractors.

FYI.

Tom

Begin forwarded message:

From: Stefanie Morris <SMorris@swc.org>
Date: February 15, 2017 at 11:15:38 AM PST
To: Stefanie Morris <SMorris@swc.org>
Cc: Terry Erlewine <TErlewine@swc.org>
Subject: Oroville Background Information and Timeline

All,

Please find attached an overview of the Oroville facility and a timeline of events related to the spillway and emergency spillway.

Thanks,
Stef



STATE WATER
CONTRACTORS
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OVERVIEW ON THE OROVILLE DAM FACILITIES AND RECENT EVENTS

How the Oroville Facilities are Overseen and Regulated

- The California Department of Water Resources (DWR) owns and operates the Oroville facilities for a number of uses, including flood control, water supply and recreation.
- The key Oroville facilities consist of the dam, the reservoir (lake), the operational spillway, the emergency spillway and the hydroelectric generating facilities.
- Oroville Dam, as a hydroelectric generating station, must be licensed by the Federal Energy Regulatory Commission (FERC).
- U.S. Army Corps of Engineers (Army Corps) and DWR Division of Safety of Dams (DSOD) share regulatory oversight authority over flood control operations at the Oroville facilities.
- While FERC typically has jurisdiction over flood control operations as part of its licensing authority, Congress specifically granted exclusive jurisdiction over flood control operations at the Oroville facilities to the Secretary of the Army in PL 85-500. Additionally, Congress made an appropriation toward the cost of constructing Oroville Dam and Lake Oroville. This appropriation was made contingent upon an agreement between the State of California and the Department of the Army for operation of the dam for flood control benefits.
- Oroville Dam has passed all annual and independent inspections regarding the adequacy, stability, and structural integrity of the facilities, including:
 - o Annual inspection by FERC
 - o Semi-annual inspections by DWR DSOD
 - o Five-year Independent Engineer inspection and review

Timeline of Recent Events

- Beginning January 13, record rainfall in the Feather River watershed led DWR to make reservoir releases from Lake Oroville consistent with flood control rules set by the U.S. Army Corps of Engineers and Division of Dam Safety.

For more information on the State Water Contractors,
please visit www.swc.org



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- Flows through the operational spillway fluctuated between 0 cubic feet per second (cfs) and 10,000 cfs through January 30. Beginning January 31, flows through the operational spillway increased to more than 10,000 cfs as runoff into the river increased.
- On February 7, during routine use, reservoir releases through the operational spillway were increased from 44,500 cfs to 54,500 cfs to offset increased inflows from rainfall.
- At that time, DWR discovered a large amount of debris coming out of the concrete-lined channel of the operational spillway. DWR stopped all releases to inspect the damage.
- Currently, the cause of the damage to the operational spillway is unknown.
- After testing, DWR began to release 20,000 cfs from the operational spillway to offset inflows into Lake Oroville, and continued to increase releases through the operational spillway.
- On February 11, the water elevation in Lake Oroville reached 901 feet, leading to flow over the emergency spillway.
- On February 12, erosion began to progress up the right side of the emergency spillway. DWR increased the operational spillway releases to 100,000 cfs to draw down the water level, reduce flow over the emergency spillway and assess the erosion.
- As of February 14, water levels in Lake Oroville were 13 feet below the crest of the emergency spillway. DWR has begun repairs to the erosion areas below the emergency spillway.
- DWR, in full compliance and at the request of FERC oversight authority, is organizing an independent board of consultants – experts in fields including structural engineering and spillway hydraulics – to assess conditions and recommend further actions and facility repairs.

Background on Oroville Facility Licensing Process

- In 2005, DWR applied for a renewal of its operating license for the Oroville hydroelectric generating facilities.
- During the relicensing process, Friends of the River, Sierra Club and the South Yuba River Citizen's League filed a motion to intervene in the relicensing. These groups alleged that the emergency spillway at Oroville should be classified as an "operational/auxiliary" spillway and

For more information on the State Water Contractors,
please visit www.swc.org



STATE WATER
CONTRACTORS
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should be armored with concrete, citing the potential for erosion and downstream runoff impacts. During the proceeding, FERC confirmed that the emergency spillway was properly designated and that it met all FERC engineering guidelines.

- Friends of the River, Sierra Club and the South Yuba River Citizen's League in their motion alleged based on a 2002 Yuba County Water Agency Technical Memorandum on Lake Oroville Surcharge that "[a] loss of crest control could not only cause additional damage to project land and facilities but also cause damages and threaten lives in the protected floodplain downstream." However, the Yuba County Water Agency Report was for the purpose of assessing flood control in Yuba County and did not evaluate the structural integrity of the Oroville emergency spillway.
- In their supporting documentation to FERC, the State Water Contractors (SWC) and the Metropolitan Water District of Southern California (MWD) pointed out that the FERC relicensing process was not the appropriate venue to raise flood control measures that go beyond FERC's jurisdiction, which for Oroville does not include flood control. All these types of flood control issues at Oroville Dam are the jurisdiction of the Army Corps.
- SWC and MWD raised no issues regarding the costs of armoring the emergency spillway.
- A settlement of the FERC license was reached allowing the Oroville hydroelectric generating facilities to continue hydropower operations until 2008. Each year since 2008, FERC has granted a one-year license extension to for these facilities.

For more information on the State Water Contractors,
please visit www.swc.org

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

February 21, 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 – 17 – Water production – 58%/42% split – 43.3 MG for the time period
Average use – 13.5% less than 2016 and 22.4% less than 5-yr average

2. Rainfall Update

- 2.05" for February 2017
- Rainfall total for Rainfall Year 2016/17 – 20.43"

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 – See Staff Report
- o Pickens Canyon Pipeline Replacement and Slope Repair
 - Construction to start – 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**

- 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 replaced to date

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

- **Wells - Status**

- Well production capacity - averaging 1.66 MGD for February 2017

5. **Field Maintenance & Operations**

- **Water Lateral Leaks & Repairs**

4840 Sunset Ave 3222 Honolulu 3919 Ramsdell

- **Fire Hydrant Repair**

- No Report

- **Developer Job**

- No Report

- **Water Main Leaks**

- 8-inch Main Leak – 4400 Block of 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 of Abella
3100 Block of Prospect	3100 Block of Evelyn	

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

February 1 - February 17, 2017

Well Production:	19,238,035	Gals		
GWP Production:	5,308,836	Gals		
Gravity Production:	705,000	Gals	% GW	58%
Purchased Water:				
FMWD:	18,069,375	Gals		
City of Glendale:	0	Gals	% Import	42%
TOTAL:	43,321,246	Gals		
	132.95	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	5,389,878	*Included in Well Production		

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
February 1, 2017 - February 17, 2017	2,548,309	
February 1, 2016 - February 17, 2016	2,945,460	-13.5%
5-yr Average - February 2012 - 2016	3,282,802	-22.4%

RAINFALL: February 1 - February 17, 2017

2.05"

Season-To-Date:

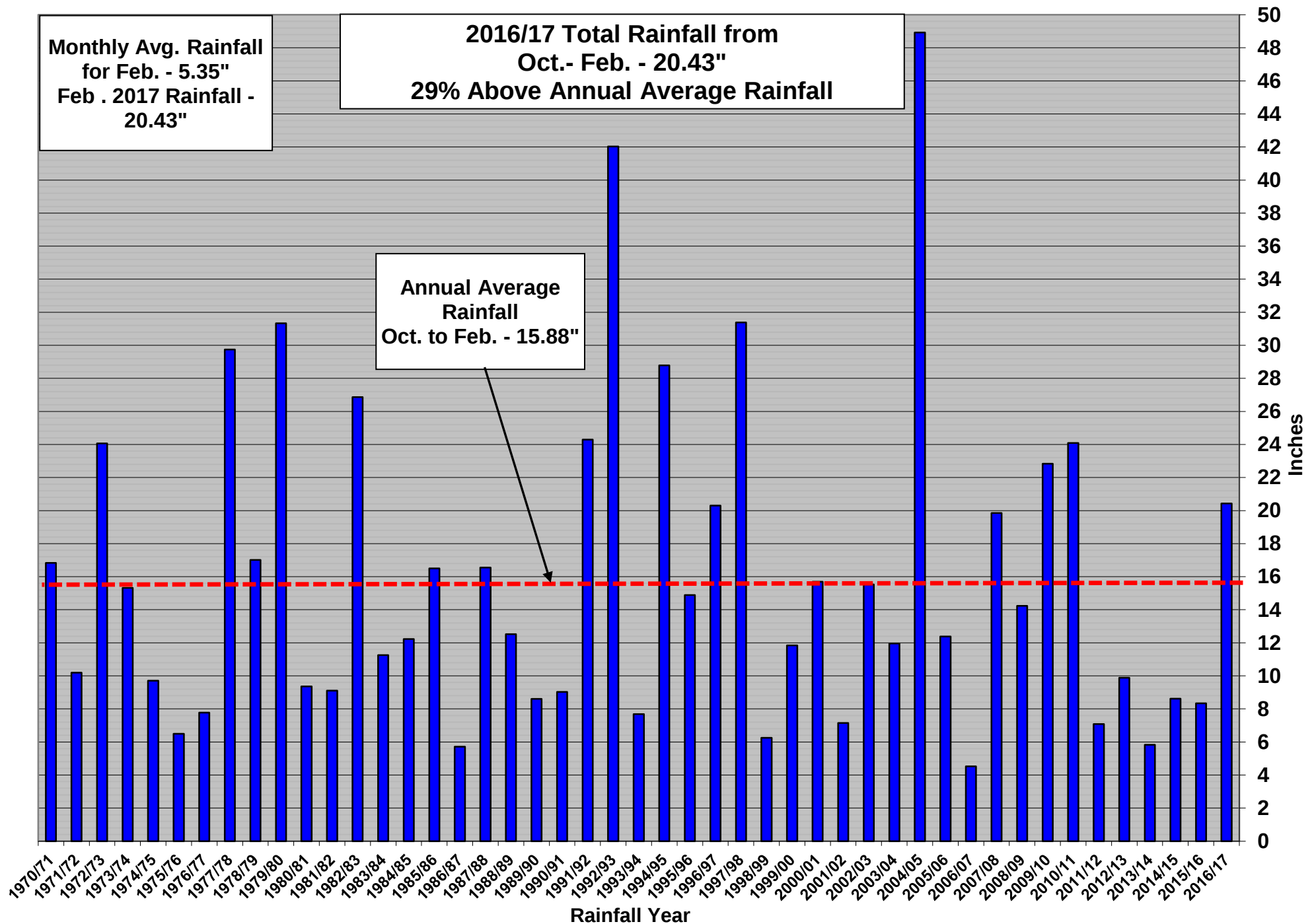
20.43"

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	28	February	95
September	376	325	December	100	March		March	
October	354	315	January	112	April		April	
November	319	290	February	107	May		May	
December	277	250	March		June		June	
January	245	260	April		July		July	
February	230	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	2,563	2,385	Total to Date	562	Total to Date	59	Total to Date	197
Projected	3,878	3,700	Water Rights	3,294			Tier 2	2,154
% of Projected	69.3%	64.5%	% of Rights	17%			% of Allocation	9%
Remaining	1,137	1,315	Remaining	2,732			Remaining	1,957

NOTE:

1) Blue Numbers = Estimated Water Production

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



CRESCENTA VALLEY WATER DISTRICT

2700 FOOTHILL BOULEVARD
LA CRESCENTA, CALIFORNIA

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

To be held on

February 16, 2017 at 9:00 AM

Posted February 14, 2017 at 10:00 am

Call to Order

Adoption of Agenda

Information Items

1. Discuss of Water Production with Groundwater/Imported Water Chart
 - Revised Water Production Projections for FY 17/18
2. Award of Contract for Construction for the 8-inch Water Main on the 4300-4400 blocks of Pennsylvania Ave., Project E-972
3. Award of Contract for Inspection Services for the Replacement of 8-inch Water Transmission Main and Slope Restoration for the Lower Pickens Canyon Crossing, Project E-957
4. Discussion of the 10-year Capital Improvement Project Program
5. Discussion of Administrative Consultants for the FY 17/18 Budget

Public Comments

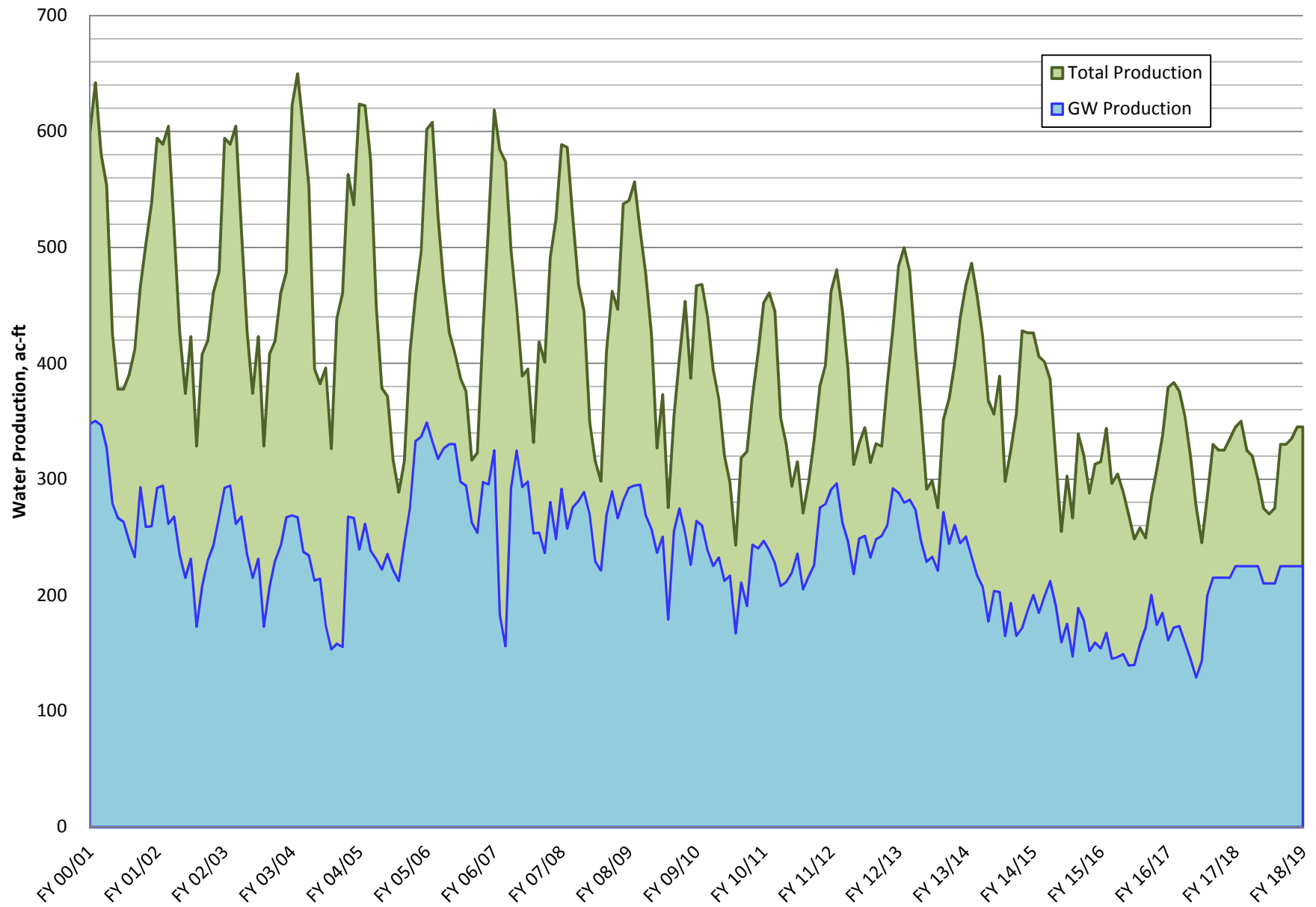
At this time, members of the public shall have an opportunity to address the Committee on items of interest that are within the subject matter jurisdiction of this Committee. This opportunity is non-transferable and speakers are limited to three (3) minutes each.

Committee Member's Request for Future Agenda Items

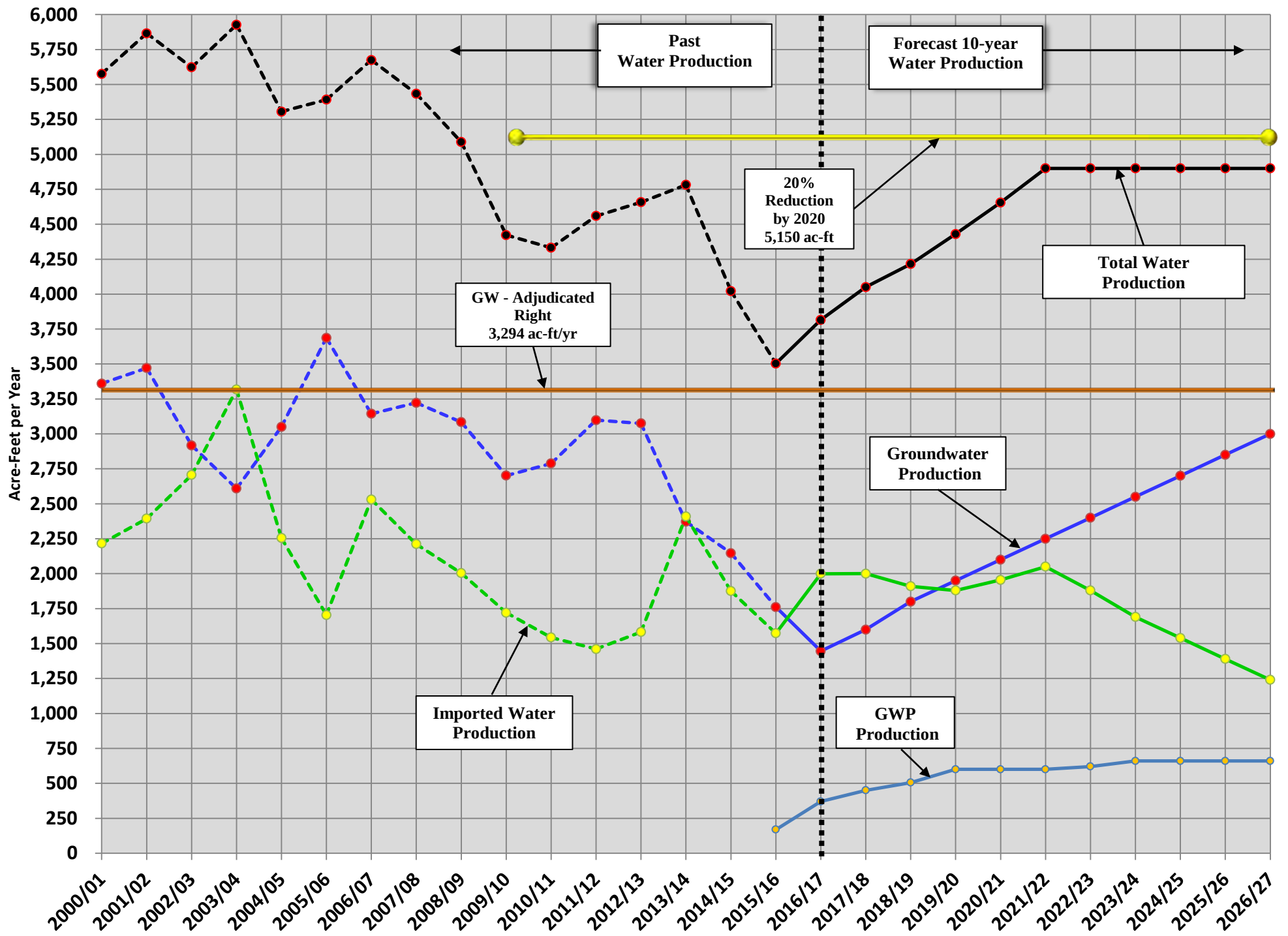
Next Engineering Committee Meeting – March 16, 2017

Adjournment

Ground Water Production vs. Total Water Production



Water Projections - FY 00/01 to FY 26/27 - Update 2/16/17



10-year Water Production Estimate Based on:
Slow Recovery of Verdugo Basin (150 ac-ft/yr)
Includes Well 2 in FY 17/18

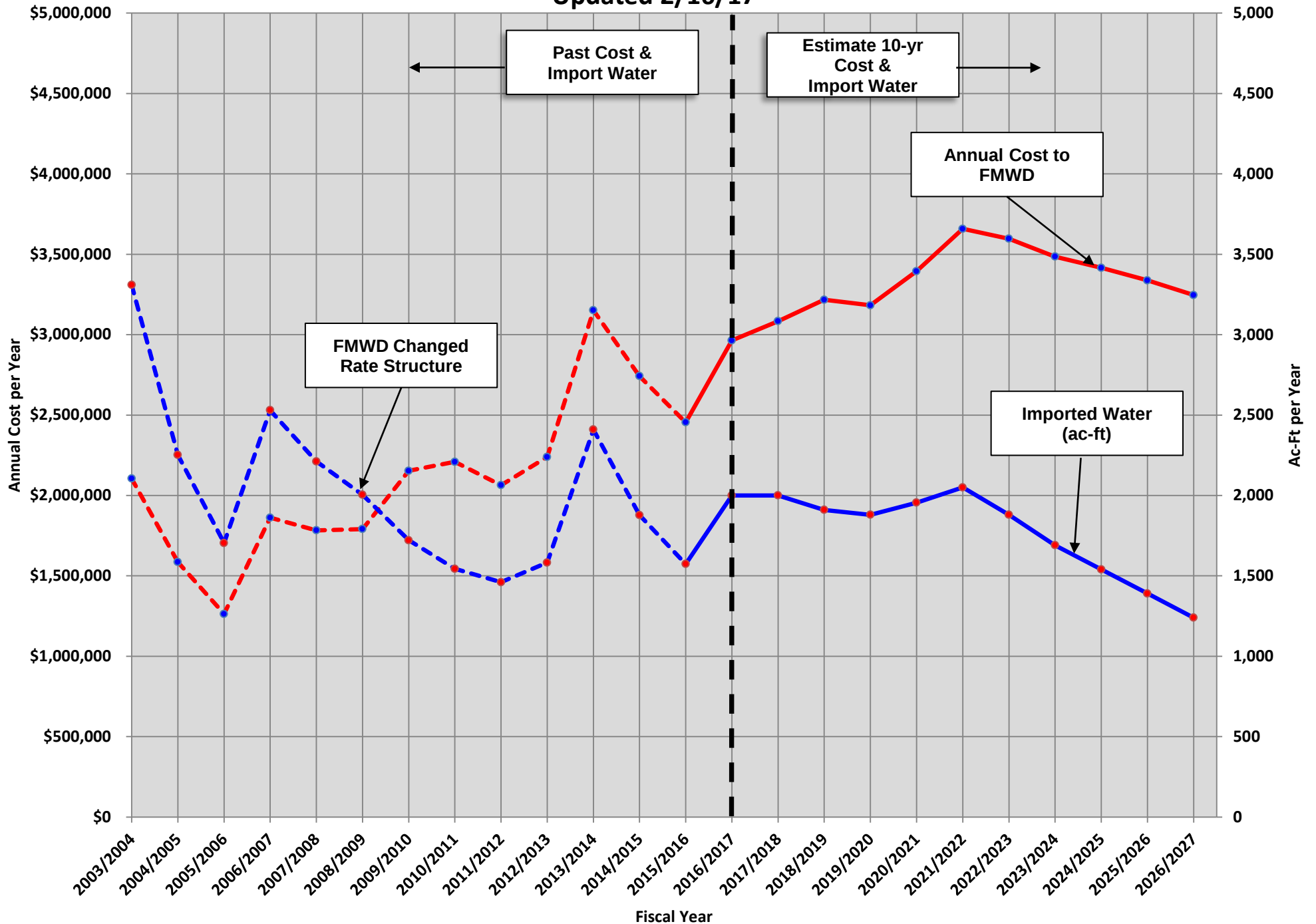
Increase in FMWD until FY 18/19; Decreases following years
4% to 6% annual increase in total water production over next 3 years
5% annual increase in water production over the following 2 years

Estimate 4,900 ac-ft/yr over the following 5 years (5% less than 2020 goal of 5,150 ac-ft)

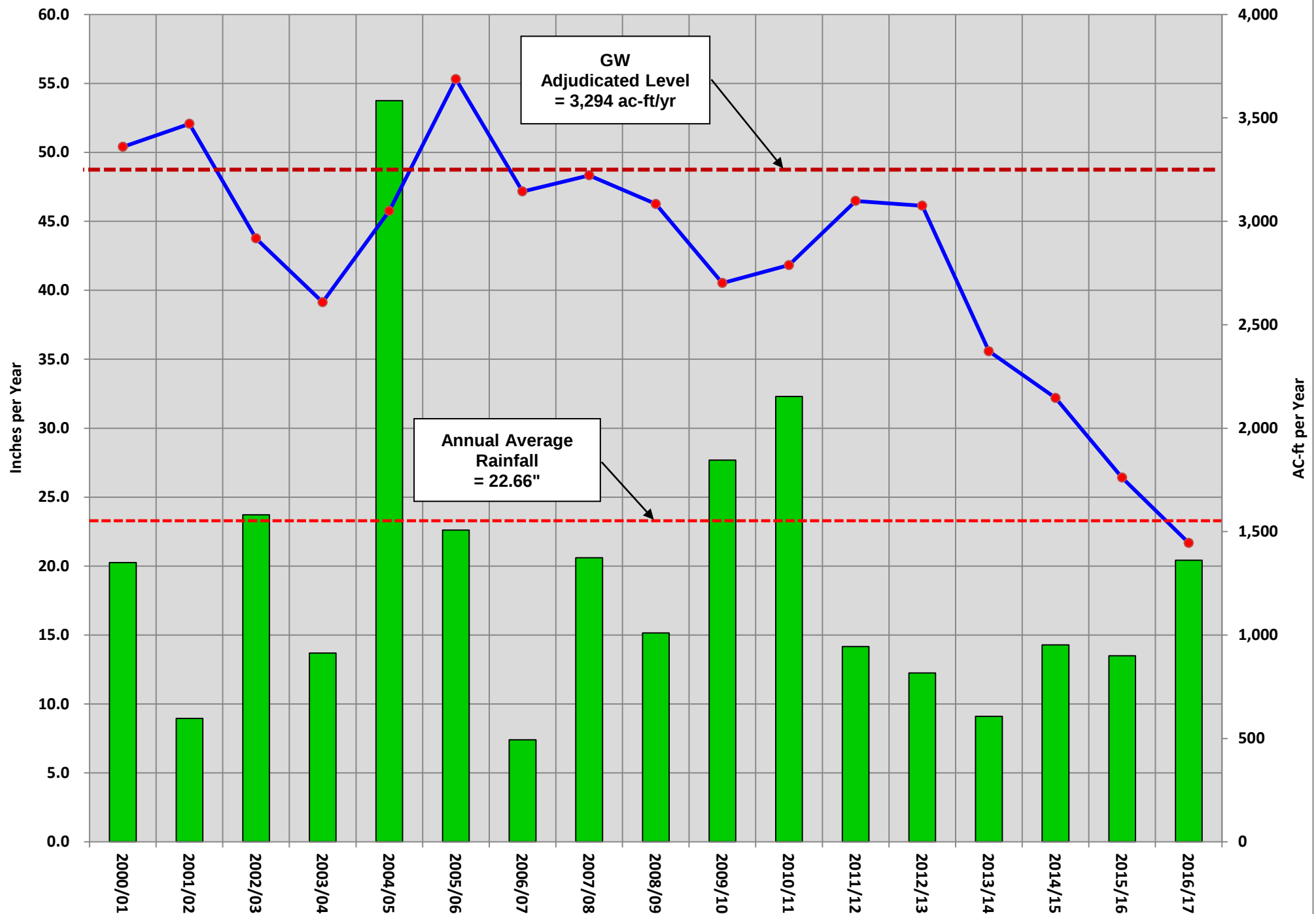
Fiscal Year	Groundwater (ac-ft)	GWP (ac-ft)	FMWD (ac-ft)	Total Water Production (ac-ft)	Percent Increase or Decrease	Estimate FMWD Cost
2013/14	2,372	0	2,410	4,782	2.7%	\$3,151,636
2014/15	2,146	0	1,876	4,022	-15.9%	\$2,742,335
2015/16	1,761	169	1,573	3,504	-12.9%	\$2,454,524
<i>Estimate 2016/17</i>	<i>1,445</i>	<i>370</i>	<i>2,000</i>	<i>3,815</i>	<i>8.9%</i>	<i>\$2,963,910</i>
2017/18	1,600	450	2,000	4,050	6.2%	\$3,084,074
2018/19	1,800	505	1,910	4,215	4.1%	\$3,217,292
2019/20	1,950	600	1,880	4,430	5.1%	\$3,182,786
2020/21	2,100	600	1,955	4,655	5.1%	\$3,394,731
2021/22	2,250	600	2,050	4,900	5.3%	\$3,657,991
2022/23	2,400	620	1,880	4,900	0.0%	\$3,596,748
2023/24	2,550	660	1,690	4,900	0.0%	\$3,485,455
2024/25	2,700	660	1,540	4,900	0.0%	\$3,415,563
2025/26	2,850	660	1,390	4,900	0.0%	\$3,337,769
2026/27	3,000	660	1,240	4,900	0.0%	\$3,246,239

FMWD - Annual Cost & Import Water - FY 03/04 to FY 26/27

Updated 2/16/17



Groundwater Production vs. Rainfall - FY 00/01 to FY 16/17



CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Action Item No. 2

February 16, 2017

To: Engineering Committee

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

Subject: **Award of Construction - 8-Inch Water Main Replacement on the 4300 & 4400 Blocks of Pennsylvania Ave., Project E-972**

ACTION ITEM:

Award of Contract for 8-inch Water Main Replacement on the 4300 & 4400 Blocks of Pennsylvania Ave., Project E-972 Recommendation to award the contract to the lowest responsible bidder, _____. for the water main replacement or the construction of the pipeline replacement on the 4300 & 4400 Blocks of Pennsylvania Ave. at a cost of \$XXX,XXX and establish a contingency amount of \$XX,XXX (10% of contract) to cover the cost of unforeseen or additional work.

PROJECT DESCRIPTION:

Staff previously discussed that one of the two 8-inch water mains on Pennsylvania Ave, which delivers water from the Mills Plant to the Paschall Booster station, has had three (3) major main breaks within the last year. These pipelines on Pennsylvania were installed in 1938 and 1947 and are under high (over 200 psi) pressure. These pipelines are the main water transmission mains which bring groundwater from the Mills Plant into the water distribution system (See attached project location map):

DISCUSSION:

On December 6, 2016, the Board authorized the General Manager to advertise for bids for the subject project. A mandatory pre-bid meeting was held on February 8, 2017, which was attended by eight (8) contractors. CVWD specifications indicate that only contractors who attend this meeting are allowed to bid on the project.

On February 15, 2017, at 2:00 PM, the District opened and read the following bid proposals for this project:

	<u>Bidder</u>	<u>Total Bid Amount</u>
Low		
2		
3		
4		
5		
6		
7		
8		

_____ of _____ was the apparent lowest responsible bidder for the project with a bid of \$_____ and the low bid was _____% _____ than the engineer's estimate of \$320,000.

Ms. Christina Olmedo will be the project manager and Mr. Cory Whitman will provide field inspection. The construction estimate for the project is \$XXX,XXX and the entire project costs including materials, soils engineer, staff engineering and inspection, and contingencies are estimated at \$410,000.

RECOMMENDATION:

It is staff's recommendation to award the contract for the subject project to the lowest responsible bidder, _____ at a cost of \$____.

A pre-construction meeting will be set as soon as the contract is awarded, the agreement is signed, and insurance documents have been delivered. We anticipate construction beginning in late March 2017 at the intersection of Encinal Ave and Pennsylvania Ave and the project concluded by early May 2016.

A major issue with this project will be the traffic detours around the construction area, which will affect local traffic and the west-bound 210 Freeway off ramp for Pennsylvania Ave. Prior to the start of construction, staff will be performing a public outreach program which will include:

- Sending letters to the residents in the area notifying them of the upcoming project and traffic delays
- Holding a Community meeting on March 8, 2017 at the job site to explain the project and traffic delays
- Coordinating with Caltrans on traffic at the 210 west off-ramp and Caltrans current construction project on the 210 freeway
- Meeting with the local newspapers about publishing an article about the upcoming construction project
- Monthly announcements at the CV Town Council meeting
- Posting traffic and construction updates on CVWD's website and CV Town Council website

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

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

Account Description	Amount
FY 16/17 Water CIP– Water Distribution	\$600,000
Engineer's Cost Estimate for Contractor	<\$XXX,XXX>
Unforeseen or additional work	<XXX,XXX>
Additional costs such as material purchase by CVWD, soils engineer, engineering & inspection labor costs & contingency	<\$90,000>
Total Engineer's Cost Estimate	<\$410,000>
Amount Remaining in Water CIP – Distribution System	\$190,000

Prepared & Submitted by:



David S. Gould, P.E.
District Engineer

Attachments:

1. Project Location Map
2. Bid Summary

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Action Item No. 3
February 16, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Award of Contract for Quality Control Inspection Services for Lower Pickens Canyon Pipeline Crossing Repair, Project E-957

ACTION ITEM:

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Recommendation to enter into an agreement with DMc Engineering (DMc) and AMEC Foster Wheeler (AMEC) to provide quality control inspection services related to the Lower Pickens Canyon pipeline replacement and slope repair project at a total cost of \$38,265.

BACKGROUND:

On February 7, 2017, a contract was awarded to E & R Construction, Inc for the replacement of the 8-inch Water Transmission Main and Slope Restoration for the Lower Pickens Canyon Crossing. This project is time sensitive and needs to be completed within the next sixty (60) days.

DISCUSSION:

Staff needs assistance in provide construction management and quality control inspection during the project. Staff requested proposed from AMEC to provide on-site observation and inspection for the slope restoration portion and DMc to provide pipeline inspection and construction management services as shown below:

• AMEC - on-site observation and inspection services	\$22,685
• DMc - pipeline inspection and construction management services	\$17,880
Total	\$40,565

RECOMMENDATION:

It is staff's recommendation to enter into agreements with AMEC and DMc for quality control inspection and construction management services at a total cost of \$40,565 to staff with expediting this project.

ENVIRONMENTAL REVIEW:

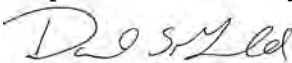
N/A

FUNDING AVAILABILITY:

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

Account Description	Amount
FY 16/17 Water CIP– Water Distribution – Lower Pickens Canyon Pipeline	\$500,000
Remaining from 8-inch Water Main on Penn. Ave, Project E-972	\$190,000
Revised amount for Lower Pickens Canyon Pipeline	\$690,000
Contractor's cost with Contingency – Installation of Pipeline and Slope Repair	<\$480,700>
Additional costs such as inspection and construction management services	<\$40,565>
Professional Engineering and Geotechnical Services	<\$57,020>
Total Project Cost Estimate	<\$578,285>
Amount Remaining in Project	\$111,715

Prepared & Submitted by:



David S. Gould, P.E.
District Engineer

Attachments:

1. AMEC Proposal dated 2/14/17
2. DMc Engineering Proposal dated 2/14/17

February 14, 2017

JN1245-05
Addendum 1
Revised

Mr. David Gould, PE
District Engineer
Crescenta Valley Water District
2700 Foothill Blvd.
La Crescenta, CA 91214

**SUBJECT: CRESCENTA VALLEY WATER DISTRICT, LOWER PICKENS CANYON PIPELINE
CROSSING PROJECT E-957: CONSTRUCTION MANAGEMENT**

Dear David:

In accordance with your request in an email dated February 13, 2017, DMc Engineering is pleased to provide you and Crescenta Valley Water District with this Addendum 1 to provide construction management services for the above referenced subject project.

We appreciate the opportunity to once again work with you and the Crescenta Valley Water District. Upon acceptance, it is our understanding we will receive authorization in the form of a Purchase Order. In the interim, should you have any questions, please do not hesitate to call.

Sincerely,

DMc Engineering



Derek J. McGregor, PE, PLS
Principal

DJM:cg

I:\JOB FILES\1245-05 Crescenta Valley WD_Lower Pickens_Survey-Mapping-Eng\CONTRACTADDENDUMS



JN1245-05
ADDENDUM 1
SCOPE OF WORK

LOWER PICKENS CANYON PIPELINE CROSSING PROJECT E-597

Client (Crescenta Valley Water District) and Consultant (DMc Engineering) for mutual consideration herein set forth, agree as follows:

Consultant agrees to perform the following services:

A. CONSTRUCTION MANAGEMENT SERVICES

1. DMc Engineering will assist Client in the setup and conducting of a Pre-Construction Meeting with selected Contractor.
2. DMc Engineering will assist in providing Construction Management Services. These services will include field observation of the contractor's daily activities, construction schedule monitoring and/or site related issues. This also includes preparation of daily reports, pay applications, obtaining response to RFI's, RFC's, Shop Drawings, Change Order Requests, and project closeout. DMc will provide assistance in scheduling the appropriate geotechnical inspections.
3. DMc Engineering will assist Client on an as-needed basis for services that are not a part of the scope of work.



JN1245-05
ADDENDUM 1
FEE SCHEDULE

LOWER PICKENS CANYON PIPELINE CROSSING PROJECT E-597

Client agrees to compensate consultant for the services as noted below:

A. CONSTRUCTION MANAGEMENT SERVICES	<u>PM</u> (170)	<u>CM</u> (100)	<u>FEE \$</u>
1. Assist with Pre-Construction Meeting	4	4	1,080
2. Provide Construction Management Oversight		160 (1)	16,000
3. Assist Client on an As-Needed Basis		8 (2)	800
PROFESSIONAL FEE			17,880
REIMBURSABLE EXPENSES			(3)
TOTAL PROFESSIONAL FEE			\$17,880 +(3)

(1) This assumes 8 weeks of construction at 20 hours per week.

(2) This assumes a budget amount of 8 hours.

(3) Reimbursable costs are estimated to be 10% of the professional fee.

Should you have any questions or concerns regarding the above, please do not hesitate to contact our office.

These Consultant Services were not included in our original Scope of Work for the above project. Therefore, we request your approval of an additional **Fee of \$17,880 plus** the cost of reproductions, computer plotting, copying, and messenger services.

ADDENDUM APPROVED BY:

SIGNATURE: _____

PRINT NAME: _____

TITLE: _____

DATE: _____



February 14, 2017

Project # 92310080

Mr. David Gould, PE
Crescenta Valley Water District
2700 Foothill Blvd
La Crescenta, CA 91214

Re: Pickens Canyon Project – Field Observation: Upcoming Slope and Pipeline Work

Dear Mr. Gould:

Per our recent communications, we understand that Amec Foster Wheeler (Amec) is to provide a field technician to observe field work by the contractor that CVWD selected for the Pickens Canyon pipeline section replacement and slope repair. This letter is our scope and cost estimate for that work. We will perform the work on a time-and-materials basis.

We understand that the contractor has indicated that the work would take 60 calendar days (~8½ weeks or 43 working days) to complete. As we discussed, Amec can provide support for the entire period, however, CVWD would like an estimate for Amec to provide observation services for half of the work period (estimated 22 work days). For purposes of this proposal, we estimate 160 hours of technician time.

An Amec senior field technician will be on site each day to observe the contractor's work and to document the work performed. Our technician will notify CVWD promptly if there are concerns expressed by the property owners adjacent to the worksite or nearby. He will take photographs of the contractor's work and keep a daily field record of the work performed including:

- Work start and stop times,
- Contractor and other personnel on site and when they arrive and depart the site,
- Visitors to the site, including when they arrive and depart,
- General work conditions,
- Work performed,
- Any work performed outside the general work area limits, including those near the bottom of the slope,
- Concerns or issues that may be of interest to CVWD.

Field records will be submitted to CVWD by email by noon each following day.

K:\9231.008.0 Pickens Cyn\Letter SOW and budget 2-14-17 revised.docx

AMEC Foster Wheeler Environment & Infrastructure, Inc.
121 Innovation Drive, Suite 200
Irvine, CA
USA 92617-3094
Tel (949) 642-0245
Fax (949) 642-4474
www.AMECfw.com

Mr. David Gould, P.E.
Crescenta Valley Water District
February 14, 2017
Page 2

We assume that, including travel time to and from the site from our LA office, work will be 11 hours per day. After the project is finished, we will provide our photographs of the work to CVWD. Our scope of work does not include a summary report, however. We understand that this is a prevailing wage job. Table 1 below summarizes the estimated costs. Our estimated total cost is \$22,685.

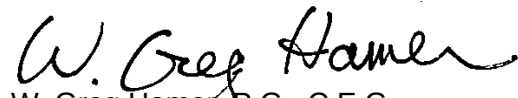
Table 1. Estimated Costs

Labor Category	Number of Hours	Hourly Rate	Labor Total	Non-Labor Cost (mileage/expenses)	Total Estimated Cost
Principal/Project Manager	8	\$220.00	\$1,760	\$100	\$1,860
Senior Technician	160	\$115.00	\$18,400	\$2,200	\$20,600
Administrative Support	3	\$75.00	\$225	\$0	\$225
TOTAL					\$22,685

In the event that the observation work requires more than 11 hours per day of Amec time or the work extends beyond 22 work days, we will notify CVWD as soon as possible regarding modification of the project scope of work and budget.

We anticipate starting work on or about February 23, 2017. Please contact me at 949-574-7093 or via email if you have questions.

Sincerely,
Amec Foster Wheeler Environment & Infrastructure, Inc.


W. Greg Hamer, P.G., C.E.G.
Principal Hydrogeologist

Direct Tel.: 949 574-7093
E-mail: greg.hamer@amecfw.com

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Action Item No. 4
February 16, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Ten Year – Draft Capital Improvement Project Program

ACTION ITEM:

Ten-Year CIP Draft Report – “Draft 10-year Capital Improvement Project (CIP) program for review and discussion

DISCUSSION:

Attached is a Draft Ten-Year Capital Improvement Project (CIP) plan listing projects which are contemplated for completion over the next ten years. Most of the identified projects involve the repair, rehabilitation or replacement of aging infrastructure based on staff's assessment of each assets condition using available information. The asset condition, criticality, consequence of failure and future replacement/rehabilitation costs have been considered with other factors in prioritizing and scheduling over the ten year period.

The confidence in the necessity and estimated costs is highest for the projects scheduled for completion in the next few years. All projects identified in the Ten Year CIP are reviewed at least annually and when additional relevant information is available.

Prepared & Submitted by:



David S. Gould, P.E.
District Engineer

Attachments:

1. Draft 10-year CIP Projected Costs

Capital Improvement Project Program 10-year CIP Budget	Projected FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22	Forecast FY 22/23	Forecast FY 23/24	Forecast FY 24/25	Forecast FY 25/26	Forecast FY 26/27
1. Water Supply											
A. Groundwater											
i. Well Rehabilitation											
Well 7 Rehabilitation	\$ -										
Well 10 Rehabilitation		\$ 85,000									
Well 7 Rehabilitation		\$ 85,000									
Well 14 Rehabilitation		\$ 85,000									
Well 9 Rehabilitation			\$ 85,000								
Well 12 Rehabilitation			\$ 85,000								
Well 1 Rehabilitation				\$ 85,000							
Well 11 Rehabilitation				\$ 85,000							
Well 5 Rehabilitation					\$ 90,000						
Well 14 Rehabilitation					\$ 90,000						
Well 10 Rehabilitation						\$ 90,000					
Well 12 Rehabilitation						\$ 90,000					
Well Rehabilitation (2 Wells per year)							\$ 200,000	\$ 200,000	\$ 210,000	\$ 210,000	\$ 220,000
ii. New Wells											
Re-Activate Well 2 - Design	\$ 71,000	\$ 100,000									
Re-Activate Well 2 - Construction	\$ 209,200	\$ 1,270,900	\$ 50,000								
Well 18 (Sycamore House) - Design			\$ 175,000								
Well 18 (Sycamore House) - Construction				\$ 1,575,000							
Well 19 - Design						\$ 185,000					
Well 19 - Construction							\$ 1,665,000				
Well 20 - Design								\$ 195,000			
Well 20 - Construction									\$ 1,755,000		
Well 21- Design										\$ 195,000	
Well 21 - Construction											\$ 1,755,000
iii. Studies											
Groundwater Source Water Protection Study			\$ 45,000								
Update Water Well Replacement Study				\$ 100,000							
Pilot Hole Study (Drill 5 pilot holes)					\$ 315,000						
B. Imported Water											
CVWD/LADWP Inter. at Ordunio (Grant - Matching Funds)											
Ocean View Piping & Vaults (Grant - Matching Funds)											
Ocean View Chlorination St (Grant - Matching Funds)	\$ 33,600										
Ocean View - Equip. (Grant - Matching Funds)	\$ 27,900										
Ocean View - Elect (Grant - Matching Funds)	\$ 32,000										
Ocean View - Final	\$ 26,000										

Capital Improvement Project Program 10-year CIP Budget	Projected FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22	Forecast FY 22/23	Forecast FY 23/24	Forecast FY 24/25	Forecast FY 25/26	Forecast FY 26/27
C. Groundwater Basin Recharge											
Storm Water Recharge Study (Grant - Matching Funds)	\$ 80,700										
Stormwater Recharge Project - Design		\$ 125,000									
Stormwater Recharge Project - Construction			\$ 1,500,000	\$ 1,500,000							
Storm Water Recharge Study - Debris Basins					\$ 125,000						
Storm Water Recharge Study - Debris Basins/Design						\$ 150,000					
Storm Water Recharge Study - Debris Basins/Construction							\$ 1,500,000	\$ 1,500,000			
D. Recycled Water System											
i. Recycled Water											
Recycled Water System Study	\$ 15,600			\$ 35,000			\$ 45,000				\$ 50,000
ii. Membrane Bioreactor Technology											
Membrane Bioreactor Technology Feasibility Study				\$ 25,000			\$ 35,000				\$ 45,000
WS Total	\$ 496,000	\$ 1,750,900	\$ 1,940,000	\$ 3,405,000	\$ 620,000	\$ 515,000	\$ 3,445,000	\$ 1,895,000	\$ 1,965,000	\$ 405,000	\$ 2,070,000
2. Water Storage											
A. Reservoir Rehabilitation											
i. Steel Reservoir Re-Coating/Roof/Vents Rehabilitation											
Edmund #1 - Roof/Air Vents											
Oak Creek #1 & #2 - Roof/Air Vents/Recoat	\$ -	\$ 700,000									
Markridge - Roof/Air Vents/Recoat			\$ 400,000								
Eagle Canyon - Roof/Air Vents/Recoat				\$ 400,000							
Rosemont - Roof/Air Vents/Recoat					\$ 400,000						
Edmund #2 - Roof/Air Vents/Recoat						\$ 400,000					
Goss Canyon #1 & #2 - Roof/Air Vents/Recoat							\$ 800,000				
Shields - Roof/Air Vents/Recoat								\$ 400,000			
Mills Forebay - Roof/Air Vents/Recoat								\$ 100,000			
Cresta Hts #1 & 2 - Roof/Air Vents/Recoat									\$ 700,000		
Dunsmore - Roof/Air Vents/Recoat										\$ 400,000	
Pickens Canyon - Roof/Air Vents/Recoat											\$ 400,000
ii. Concrete Reservoir Rehabilitation											
Encinal Reservoir - Concrete Rehabilitation			\$ 200,000								
Ocean View Reservoir - Concrete Rehabilitation										\$ 200,000	
iii. Corrosion Protection											
Cathodic Protection Inspection & Replacement		\$ 110,000				\$ 120,000					\$ 130,000
iv. Overflow & Drain System Upgrade											
Overflow/Drain System Assessment Study			\$ 25,000								

Capital Improvement Project Program 10-year CIP Budget	Projected FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22	Forecast FY 22/23	Forecast FY 23/24	Forecast FY 24/25	Forecast FY 25/26	Forecast FY 26/27
B. Reservoir Water Quality											
i. Water Mixing System											
Reservoir Water Quality & Mixing System Study			\$ 125,000								
iv. Replace common inlet and outlet piping											
Reservoir Piping Technical Study (included with WQ & Mix Study)			\$ 50,000								
C. New Reservoir Water Storage											
Ocean View #2 Reservoir (Top of Ocean View) - Feasibility Study				\$ 75,000							
WS Total	\$ -	\$ 810,000	\$ 800,000	\$ 400,000	\$ 400,000	\$ 520,000	\$ 800,000	\$ 500,000	\$ 700,000	\$ 600,000	\$ 530,000
3. Water Distribution											
A. Pipeline Replacement											
2600 Block - Harmony Place - 450 LF	\$ 52,300										
3900 Block - Park Place - 450 LF	\$ 52,300										
3900 Block - Glenwood - 650 LF	\$ 52,300										
2800 Block - Prospect & 4400 Block - Glenwood - 800 LF	\$ 110,700										
Lower Pickens Canyon Crossing & Slope - 600 LF	\$ 575,000										
4200 - 4400 Block - Penn - 1,450 LF	\$ 400,000										
Annual Pipeline Replacement - 5,200 LF		\$1,350,000	\$1,350,000	\$1,450,000	\$1,450,000	\$1,450,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,650,000	\$1,650,000
B. New Pipelines											
Ramsdell - Bridge between Mayfield & Encinal											
C. Booster Pump System											
i. Annual Pump /Motor Replacement											
Booster 12 at Markridge	\$ 30,300										
Boosters - Encinal B & C and Glenwood 32		\$ 70,000									
Boosters - Paschall B, Booster 26 at CH & Glenwood 33			\$ 140,000								
Ocean View B, Glenwood 34 & Booster 25 at Markridge				\$ 85,000							
Annual Booster Replacement - 2 Boosters					\$ 85,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 95,000	\$ 95,000	\$ 95,000
ii. Pump Station Upgrade											
Upgrade Paschall Booster Station	\$ 15,000	\$ 500,000									
Goss Canyon - New Booster Pump Station			\$ 75,000	\$ 500,000							
Cresta Heights - New Booster Pump Station				\$ 75,000	\$ 500,000						
Rosemont - New Booster Pump Station					\$ 75,000	\$ 600,000					
Edmund #2 - New Booster Pump Station						\$ 85,000	\$ 600,000				
Upgrade Ocean View Booster Pump Station							\$ 85,000	\$ 600,000			
Upgrade Mills Booster Pump Station								\$ 85,000	\$ 600,000		
Upgrade Encinal Booster Pump Station									\$ 95,000	\$ 600,000	
Upgrade Edmund #1 Booster Pump Station										\$ 100,000	\$ 600,000
iii. VFD Pump Upgrade											

Capital Improvement Project Program 10-year CIP Budget	Projected FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22	Forecast FY 22/23	Forecast FY 23/24	Forecast FY 24/25	Forecast FY 25/26	Forecast FY 26/27
iv. MCC Replacement											
MCC upgrade at Paschall	\$ 15,000	\$ 425,000									
MCC upgrade at Goss Canyon			\$ 75,000	\$ 400,000							
MCC upgrade at Cresta Heights				\$ 75,000	\$ 400,000						
MCC upgrade at Rosemont					\$ 75,000	\$ 400,000					
MCC upgrade at Edmund #2						\$ 85,000	\$ 500,000				
MCC upgrade at Ocean View							\$ 85,000	\$ 500,000			
MCC upgrade at Mills Plant								\$ 85,000	\$ 500,000		
MCC upgrade at Encinal									\$ 95,000	\$ 500,000	
MCC upgrade at Edmund #1										\$ 100,000	\$ 500,000
D. Pressure Reducing Stations											
Pressure Reducing Station Preliminary Design Study		\$ 35,000									
Upgrade PRS - Zone 4 to Zone 3			\$ 45,000								
E. Miscellaneous Projects											
i. Water Surge Control											
Rehabilitation Surge Tank at Glenwood	\$ 25,000										
Rehabilitation Surge Tank at Mills Plant		\$ 75,000									
Surge Analysis Study					\$ 150,000						
ii. Street/Utility/ Meter Adjustment & Upgrade											
iii. Misc.											
Repairs to Ramsdell Mixing Station	\$ 55,000										
Mills Plant - Aeration Tower Rehabilitation		\$ 50,000									
WD Total	\$ 1,382,900	\$ 2,455,000	\$ 1,685,000	\$ 2,585,000	\$ 2,735,000	\$ 2,710,000	\$ 2,860,000	\$ 2,860,000	\$ 2,885,000	\$ 3,045,000	\$ 2,845,000
4. Water Treatment											
A. Nitrate Removal											
i. Glenwood											
Replace Ion Exchange Resin at Glenwood						\$ 500,000					
ii. Mills											
Ion Exchange Plant at Mills - Design					\$ 150,000						
Ion Exchange Plant at Mills - Construction						\$ 1,750,000					
iii. Ordunio											
Replace Bio Remediation AroNite System at Ordunio						\$ 250,000					
B. Chlorine Disinfection											
New Chlorination Station at Pickens Canyon Reservoir		\$ 75,000									
New Chlorination Station at Markridge Reservoir			\$ 75,000								
Paschall & Pickens - New Chlorine Analyzer		\$ 40,000									
Edmund #1 & Shields - Chlorine Analyzers			\$ 40,000								
Goss Canyon #1 & #2 - Chlorine Analyzers				\$ 40,000							
Cresta Hts #1 & #2 - Chlorine Analyzers					\$ 50,000						
Eagle Canyon & Dunsmore - Chlorine Analyzers						\$ 50,000					

Capital Improvement Project Program 10-year CIP Budget	Projected FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22	Forecast FY 22/23	Forecast FY 23/24	Forecast FY 24/25	Forecast FY 25/26	Forecast FY 26/27
C. Convert to Chloramines											
Conversion to Chloramination Disinfection Feasibility Study		\$ 35,000									
D. New Federal and State Regulations											
E. Water Quality Studies											
F. MTBE Removal											
MTBE Removal Feasibility Study			\$ 75,000			\$ 85,000			\$ 95,000		
WT Total	\$ -	\$ 150,000	\$ 190,000	\$ 40,000	\$ 200,000	\$ 2,635,000	\$ -	\$ -	\$ 95,000	\$ -	\$ -
5. Technology											
A. Automated Meter Information (AMI) System											
Conversion of 3/4" & 1" meter	\$ -	\$ 325,000	\$ 325,000								
Conversion of Large Meters & Fire Services	\$ -	\$ 220,000	\$ 220,000								
Install & Integration of AMR & Fix Area Network		\$ 495,000	\$ 495,000								
B. Supervisory Control and Data Acquisition (SCADA) System											
Wireless (Radio) Network for SCADA			\$ 25,000								
SCADA RTU Replace - Equipment & Integration	\$ 55,000	\$ 400,000	\$ 300,000								
C. Graphical Information System (GIS)											
Field Asset Tagging			\$ 50,000								
Update GIS System		\$ 50,000									
TECH Total	\$ 55,000	\$ 1,490,000	\$ 1,415,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6. Public Safety/Emergency Response											
A. Emergency Electrical Generators											
New Emergency Electrical Generator - Main Office				\$ 75,000							
New Emergency Electrical Generator - Mills Plant					\$ 150,000						
New Emergency Electrical Generator - Field						\$ 35,000					
B. Water Storage											
Dunsmore/Pickens - Seismic Sensors & Valve Actuators	\$ 79,300										
Ordunio - Seismic Sensors & Valve Actuators		\$ 80,000									
Oak Creek #1 & #2 - Seismic Sensors & Valve Actuators			\$ 100,000								
Encinal & Ocean View - Seismic Sensors & Valve Actuators				\$ 120,000							
C. Security											
D. Miscellaneous											
SF/ER Total	\$ 79,300	\$ 80,000	\$ 100,000	\$ 195,000	\$ 150,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -

Capital Improvement Project Program 10-year CIP Budget	Projected FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22	Forecast FY 22/23	Forecast FY 23/24	Forecast FY 24/25	Forecast FY 25/26	Forecast FY 26/27
7. Facilities & Planning											
A. Main Office											
Expansion with New Roof with Solar Panels		\$ 75,000									
Needs Assessment Study		\$ 25,000									
New Main Office Building			\$ 150,000	\$ 1,500,000	\$ 1,000,000						
B. Glenwood Plant											
Needs Assessment Study			\$ 25,000								
C. Mills Plant											
D. Reservoir Site Improvements											
Ocean View - Site Improvements		\$ 225,000									
Roof for Old Encinal - Storage Bldg			\$ 175,000								
Pickens - Access Road Improvements				\$ 100,000	\$ 250,000	\$ 250,000					
Edmund #2 - Lower Access Road Improvements					\$ 120,000	\$ 350,000	\$ 350,000				
Goss Canyon - Site Improvements				\$ 200,000							
Edmund #2 - Upper Access Road Improvements							\$ 350,000				
Cresta Heights - Site & Road Improvements					\$ 200,000						
Rosemont - Site Improvements						\$ 150,000					
Edmund #2 - Site Improvements							\$ 250,000				
Shields - Access Road & Site Improvements								\$ 250,000			
Dunsmore - Site Improvements									\$ 150,000		
Eagle Canyon - Site Improvements										\$ 150,000	
Edmund #1 - Site Improvements											\$ 100,000
5. Misc. Properties											
6. District Planning											
Asset Management Study			\$ 75,000	\$ 75,000							
Computer Maintenance Management System (CMMS)					\$ 75,000						
F & P Total	\$ -	\$ 325,000	\$ 425,000	\$ 1,875,000	\$ 1,645,000	\$ 750,000	\$ 950,000	\$ 250,000	\$ 150,000	\$ 150,000	\$ 100,000
Capital Improvement Projects - Total	\$ 2,013,200	\$ 7,060,900	\$ 6,555,000	\$ 8,500,000	\$ 5,750,000	\$ 7,165,000	\$ 8,055,000	\$ 5,505,000	\$ 5,795,000	\$ 4,200,000	\$ 5,545,000

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Action Item No. 5
February 16, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Administrative Consultants for FY 17/18

ACTION ITEM:

Administrative Consultants for FY 17/18– Discussion of Proposed Studies and Reports for the Administrative Consultants expense for FY 17/18.

DISCUSSION:

The following is a list of Administration Consultants planned for FY 16/17:

FY 16/17 Administration Consultants			
Project Name	Water	Sewer	Total
GIS - Update	\$5,000	\$5,000	\$10,000
Reservoir Site Topo Boundary Survey - Ocean View	\$12,500	\$0	\$12,500
Hydraulic Study	\$5,000	\$0	\$5,000
Grant Proposals	\$25,000	\$0	\$25,000
Solar Power Study	\$5,000	\$5,000	\$10,000
Main Office Seismic Assessment	\$10,000	\$10,000	\$20,000
Water Resources Study Recycled Water Feasibility Study	\$22,500	\$0	\$22,500
Wastewater Master Plan	\$0	\$9,000	\$9,000
Strategic Planning	\$15,000	\$15,000	\$30,000
Source Water Protection Plan	\$30,000	\$0	\$30,000
Total	\$130,000	\$44,000	\$174,000

The following is a list of Administration Consultants to date for FY 16/17:

FY 16/17 Administration Consultants to Date			
Project Name	Water	Sewer	Total
GIS - Update	\$5,000	\$5,000	\$10,000
Reservoir Site Topo Boundary Survey - Ocean View	\$12,500	\$0	\$12,500
Chlorine Assistance	\$5,000	\$0	\$5,000
Grant Proposals	\$4,950	\$1,200	\$6,150
Cost of Service Study	\$6,400	\$6,400	\$12,800
Labor Compliance - Various Projects	\$4,500	\$0	\$4,500
Website Development	\$2,100	\$2,100	\$4,200
Recycled Water Feasibility Study	\$6,000	\$0	\$6,000
UWMP	\$500	\$500	\$1,000
Surge Analysis	\$5,935	\$5,935	\$11,870
Source Water Protection Plan	\$30,000	\$0	\$30,000
Total to Date	\$82,885	\$21,135	\$104,020
Budget - 16/17 - Admin Consultants	\$130,000	\$44,000	\$174,000
Remaining	\$47,115	\$22,865	\$69,980

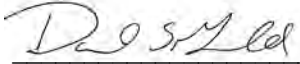
The following is a list of Administration Consultants to proposed for FY 17/18:

FY 17/18 Administration Consultants			
Project Name	Water	Sewer	Total
GIS - Update	\$5,000	\$5,000	\$10,000
Reservoir Site Topo Boundary Survey	\$12,500	\$0	\$12,500
Grant Admin	\$12,500	\$0	\$12,500
Grant Stormwater Recharge Project	\$50,000	\$0	\$50,000
Chlorine/Chloramination Study	\$40,000	\$0	\$40,000
Wastewater Master Plan	\$0	\$45,000	\$45,000
Pressure Reducing Station Study	\$44,000	\$0	\$44,000
Cathodic Protection Inspection & Study	\$50,000	\$0	\$50,000
Total	\$214,000	\$50,000	\$264,000

RECOMMENDATION:

It is staff's recommendation to enter into agreements with AMEC and DMc for quality control inspection and construction management services at a total cost of \$38,265 to staff with expediting this project.

Prepared & Submitted by:



David S. Gould, P.E.
District Engineer