

# **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, March 15, 2016 at 7:00 p.m.**

**Posted: March 11, 2016 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.**

**Special Presentation** – Presentation of insurance premium refund check from ACWA/JPIA by Executive Committee Chairman Mr. E. “Jerry” Gladbach.

## **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 March 1, 2016.
2. Ratification of Disbursements for February 2016.

## **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. **Water and Wastewater Cost of Service Study, Project M-958** – Discussion of the preliminary cost of service analysis as part of the Water and Wastewater Cost of Service Study.
2. **FY 2016/17 Water and Wastewater Budgets** – Discussion regarding the preliminary FY 2016/17 Water and Wastewater Budgets.

## **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.

**Closed Session**

- **Conference with Legal Counsel**
  - Existing litigation pursuant to paragraph (1) of subdivision (d) of Section 54956.9: Crescenta Valley Water District vs. City of Glendale, et al., Los Angeles Superior Court case no. BC595199.
- **Conference with Labor Negotiators (§54957.6)**
  - District negotiators: Thomas Love and Ron Mitchell
  - Employee organization: AFSCME
- **Conference with Labor Negotiators (§54957.6)**
  - District negotiators: Thomas Love
  - Employee organization: Management Unit

**Board Members' Request for Future Agenda Items**

**Adjournment**

**CRESCENTA VALLEY WATER DISTRICT  
REGULAR MEETING, BOARD OF DIRECTORS**

**March 1, 2016**

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Adjourned Regular Meeting of February 16, 2016, a Regular Meeting was held on March 1, 2016, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President Kerry D. Erickson presiding.

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

<b>Directors:</b>	<b>James D. Bodnar Michael L. Claessens Kerry D. Erickson Kenneth R. Putnam Judy L. Tejada</b>
<b>Attorney:</b>	<b>Thomas S. Bunn</b>
<b>General Manager:</b>	<b>Thomas A. Love</b>
<b>Secretary-Treasurer:</b>	<b>Ron L. Mitchell</b>
<b>District Engineer:</b>	<b>David S. Gould</b>
<b>Others Present:</b>	<b>Mark Hass, IT Manager Wendy Holloway, Customer Accounts Supervisor Christy Scott, Program Specialist Raymond Dodge, Interim Superintendent Sudir Pardiwala, Raftelis Financial Consultants Kevin Kostiuk, Raftelis Financial Consultants</b>

**PLEDGE OF ALLEGIANCE**

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

**ADOPTION OF AGENDA**

It was moved by Director Bodnar, seconded by Director Tejada and carried by a 5-0 vote to amend the Agenda for the Regular Meeting of March 1, 2016 by moving Action Item #5 to Action Item #1.

**PUBLIC COMMENT** – None

**FOOTHILL MUNICIPAL WATER DISTRICT REPORT** – None

**CONSENT CALENDAR**

It was moved by Director Tejada, seconded by Director Claessens and carried by a 5-0 vote to approve the Minutes of the Adjourned Regular Board Meeting held on February 16, 2016.

## **ACTION CALENDAR**

**Water and Wastewater Cost of Service Study, Project M-958** – Mr. Gould reported on and provided an updated schedule for the Water and Wastewater Cost of Service and Budget Study. This schedule is for Board meetings, Committee meetings for the next few months, and to hold a Public Workshop on April 5, 2016.

Mr. Sudir Pardiwala from Raftelis Financial Consultants (RFC) gave a presentation to discuss the Water and Wastewater Financial Plan and the next steps which will be on the Cost of Service, Rate Alternatives, and Customer Impacts. He presented a Financial Plan that is based on new “normal” water consumption estimates, water purchase costs that are calculated based on usage and supply projections, O&M, capital costs, and other proposed revenue adjustments and rates.

**Director Travel Expenses** – Mr. Mitchell reported that Director Bodnar recommended that the full Board discuss Section 4.05 of the District’s Rules and Regulations concerning the limit for travel by directors to events be increased from \$300 to \$500 before Board pre-authorization is required. Also, that a clause be added to the existing policy that would not allow for reimbursement of expenses if the Director or member of staff is attending a conference or seminar representing both the District and another agency that they are affiliated with, and the other agency has already or will be reimbursing for the same expense.

Following discussion:

**It was moved by Director Tejada, seconded by Director Bodnar a carried by a 5-0 vote to amend Section 4.05 of the District’s Rules and Regulations as proposed.**

**Credit Card Policy** – Mr. Mitchell reported that during the Fiscal Year 2013-14 audit, it was noted that some receipts for credit card transactions were missing. Also, in a couple of instances the District credit card was inadvertently used for personal charges, but was reimbursed immediately. The auditors noted in the Management Letter that the District should have a formal policy on how District credit cards should be used and transactions accounted for. Staff has prepared a draft Credit Card policy for the Board’s consideration.

Following discussion:

**It was moved by Director Bodnar, seconded by Director Tejada and carried by a 5-0 vote to adopt a policy the proposed policy of credit card usage for Directors and staff.**

**Quality Control Inspection Services for Chloramination Building at Williams Reservoir, Project E-733CS-2** – Mr. Gould said General Consolidated Constructors, Inc. (GCC) began construction of the Chloramination building at William Reservoir and related facilities, and Miron Electric Construction will begin the electrical work on March 14, 2016. CVWD’s Construction Inspector, Cory Whitman, has been providing construction management and inspection services for this project; however, other Capital Improvement Projects are planned. To complete this project and other capital projects for FY 15/16, staff has requested proposals from Cannon and Civiltec to provide quality control inspection services for the remainder of Project E-733CS-2. Civiltec was the design engineering firm for this project and they provided the lowest costs for inspection services at \$35,770.

Following discussion:

**It was moved by Director Putnam, seconded by Director Tejada and carried by a 5-0 vote to authorize the General Manager to enter into an agreement with Civiltec Engineering for quality control inspection services for Project E-733CS-2 at a cost of \$35,770 and establish a contingency amount of \$3,600 (10% of contract) to cover the cost of unforeseen or additional work.**

**Presentation Regarding California Water Fix/Ecosystem Restoration** – Director Putnam asked that this item be postponed until a future meeting.

**INFORMATION ITEMS** – CalPERS: Our progress toward a sustainable pension fund. DWR: Department of Water Resources is increasing the allocation of 2016 State Water Project.

**WRITTEN COMMUNICATIONS TO DISTRICT** – None.

### **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 26, 2016:**

Cash Accounts	\$783,956
Great Pacific Securities	\$271,582
Bond Debt Service Fund Acct	\$278,181
Local Agency Investment Fund	\$8,126,304
Transfer from MTBE Reserve	\$2,000,000
Federal Farm Credit (78)	\$499,795
Federal Farm Credit (81) SOLD	
Federal Farm Credit (83)	\$500,365
Federal Farm Credit (86)	\$998,110
Federal Farm Credit (87)	\$499,990
Federal Farm Credit (96)	\$983,950
Federal Farm Credit (97) SOLD	
US Treasury 99 SOLD	

#### **MTBE Contingency Funds**

Local Agency Investment Fund	\$449,071
Great Pacific Securities	\$1,927,910
Transfer to Water Reserve	(\$2,000,000)
Federal Farm Credit (M-35) SOLD	
Federal Farm Credit (M-36) SOLD	
Federal Farm Credit (M-38A) SOLD	
Federal Farm Credit (M-38B) SOLD	
US Treasury (M-40) SOLD	
US Treasury (M-42) SOLD	
US Treasury (M-43) SOLD	
Federal Farm Credit (M-44) NEW	\$1,145,730

**Fund Balances**

Water	\$11,047,533.65
Wastewater	\$5,551,593.11

**GENERAL MANAGER** – Mr. Love stated that he has no written report, however there is an employee who is on extended medical leave of six months or longer, and staff will be hiring a temporary employee that the Board had previously authorized.

**DISTRICT ENGINEER**

**Water Production** – For the period of February 1 through February 29, 2016, water production averaged 85.0 million gallons per day, which is **6.4% less** than the daily average production of the same period in 2015. This is **12.0% less** from the daily average production of the previous five years. SWRCB Conservation – 29.0% less than June 2013 – February 2014 period.

<b>Rainfall: February 2016</b>	<b>0.94”</b>
<b>Season-to-date:</b>	<b>8.34”</b>

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

**Rainfall Update** – 0.94” for February 2016. Rainfall total for 2015-16 is 8.34”.

**Report on Engineering**

**CIP Projects** – Ocean View Chlorination Project – Building – Under Construction.  
Pipeline Projects – Construction on 3900 Block of Park Place to start March 7, 2016.  
Well 16 – Piping & Building – Building and facilities – Final Project close out. Approval – LA County Discharge Permit – Finalizing Approval from Department of Drinking Water - Dedication ceremony – TBA. Pickens Canyon Slope repair – Brush clearance – complete. Erosion Control – complete.

**Water and Wastewater Cost of Service Study** – Discussion at Board Meeting.

**Nitrate Removal Treatment Facility at Well 2 Project** – 50% technical memorandum by March 4, 2016.

**Crescent Valley County Park Stormwater Recharge Facility Study** – No Report.

**ULARA** – No Report.

**La Canada Flintridge – Water Committee** – No Report.

**Water Meter Replacement Program** – FY 15/16 Water Meter Replacement Program – replaced 530 meters to date.

**Report on Administrative and Field Operations:**

**Well Status** – Well production capacity averaging 1.9 MGD for February.

**Field Maintenance and Operations update for February 13 – February 26, 2016**

**Reservoir Site Assessment** – No Report.

**Water lateral leaks & repairs**

- 5144 La Crescenta
- 5447 Ocean View
- 3147 Encinal

- 1928 Waltonia

**Water Main Leaks** – No Report.

**Reservoir Maintenance** – No Report.

**Fire Hydrant Repair** – No Report.

**Developer Job** – New fire hydrant service for Holy Redeemer Church.

**Sewer Maintenance** – 4300 – 4400 Blocks of Ramsdell. 2900 Block of Mary. 4400 Block of Glenwood. 3100 Block of Evelyn. 4300 Block of Cloud. 4400 – 4600 Blocks of Pennsylvania. 2800 – 3100 Blocks of Prospect. 2900 – 3100 Blocks of Community. 3100 Block of Abella.

Mr. Gould also reported on the MWD shutdown, and on Well 16 that may be in use by Friday, March 4, 2016. The dedication ceremony will be on March 18, 2016 at 9:00 a.m.

**PROGRAM SPECIALIST** –

**Monitoring Report Submitted to State for February 2016:**

**\*Production Numbers**

- Total Water Production February 2016: 264 AF
- Total Water Production February 2013: 275 AF
- Percent Reduction: 4.1%
- Residential Gallons per Capita per Day(R-GPCD) February 2016: 81

**\*Compliance Reporting**

- Days of outdoor Irrigation Allowed: 2
- Number of Water Waster Complaints: 7
- Number of Follow-ups: 7
- Number of Warnings: 7
- Number of Penalties: 0

**\*Mandatory Water Reduction Goal**

- Compliance Period: June 2015 – October 2016
- Compliance Goal 1669 AF
- Acre Feet Saved for July 11 AF
- Acre Feet Saved to Date during compliance period 929 AF
- Percentage of Goal Saved 55.7%
- Acre Feet Saved Beyond Required Target 740 AF

**\*February numbers are estimated. Calculations were done prior to the end of the month, and the District will be filling reservoirs during the last few days of February to prepare for the imported water shutdown.**

Mandatory Water Reduction Goal numbers have been updated to reflect the new compliance target as calculated to extend the State compliance period through October 2016. Staff will be monitoring production daily and reporting to the Board the status of the mandatory water reduction goal. Staff is also prepared to modify its existing outreach and enforcement actions should that be necessary.

**Turf Rebates: (FINAL NUMBERS)**

- Pending Applications: 0

- CVWD Funds Remaining: \$0
- Funds Submitted to MWD July 2014 to December 2015 \$739,870
- MWD outstanding: \$44,500
- Square Feet Removed 371,035

Ms. Scott reported the MWD shutdown began on Monday, February 29, 2016 and will last as long as Thursday March 10, 2016. The District has been informed that the shutdown may allow FMWD to provide water to the West Side and end as early as Friday March 4, 2016. The District will be talking water on Monday, February 29, 2016 from Glendale Water & Power, and they stated that due to reduced storage in their system, daily coordination will be required as to how much water they can provide to the District. The Red-Critical alert signage will remain posted throughout the District until such time that the District is allowed to take water from FMWD. The 2015 UWMP is due to the Department of Water Resources July 1, 2016. The District is currently gathering information from SA Associates. There will be a Smart Gardening/Compost class at CVWD Glenwood Plant, and on April 16, 2016 at 9:30 a.m., and the Hometown Fair will be at Crescenta Valley Park will be on April 16<sup>th</sup>.

#### **INFORMATION TECHNOLOGY** – No Report

**ATTORNEY** – Mr. Bunn reported the State Senator Wolk has proposed a new bill requiring that any new wells sites will need to have a conditional use permit, and to get the use permit, you would need to show that the pumping from the well will not cause undesirable results. Any new well cannot cause or contribute to overdraft a groundwater basin. Water agencies are typically exempt from zoning requirements which includes conditional use permits.

#### **REPORTS OF COMMITTEES**

**Engineering Committee** – Mr. Gould reported that the Committee had not met; however a meeting will be scheduled as needed.

**Finance Committee** – Director Erickson reported that the Committee will meet on March 8, 2016 at 9:00 a.m.

**Employee Relations Committee** – Director Bodnar reported that the Committee will meet on March 10, 2016 at 4:00 p.m.

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

**Community Relations/Water Conservation Committee** – Director Putnam reported that the Committee met on February 23, 2016 at 8:00 a.m. and reviewed the proposed 2016-17 Water Conservation Budget.

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

#### **DIRECTORS ORAL REPORTS**

Director Tejeda – No Report

Director Bodnar reported that he attended the AWWA workshop – “Behind the Curtain of Drinking Water”. He also met with USBR in Boulder, NV regarding the Colorado River



modeling, the shortage of Lake Mead, and future shortages. There is no shortage in the Colorado River this year.

Director Putnam reported that he attended the FMWD tour to the MWD Jensen Treatment Plant facility. He was able to see the underground system. He also went to the Eagle Rock facility and was shown and discussed how they operate in emergency conditions.

Director Claessens reported that he also attended the FMWD tour. The Jensen Plant is a massive plant and they are struggling with water quality issues. Eagle Rock Operations Control Center is relying on a third party vendor for their emergency operations system, it is all internet connected.

Director Erickson reported that he also attended the FMWD tour. He said the emergency control center seemed archaic. He attended the CVTC meeting as said that Christy Scott gave her report on the MWD shutdown, and no one asked any questions. He asked legal counsel about SB272 regarding our computer system catalog and disclosure. He also received a DVD call Dead Harvest, and is about farmers in San Joaquin Valley. He also said that the CVTC Prayer Breakfast will be on April 23, 2015 at the LDS Church at 9:00 a.m.

**CLOSED SESSION** – No reportable action

**ADJOURNMENT**

There being no other business to come before the Board at 10:20 p.m., it was moved by Director Claessens and seconded by Director Bodnar that the meeting be adjourned to March 15, 2016 at 7:00 p.m.

**APPROVED**

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Kerry D. Erickson  
President

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Ron L. Mitchell  
Secretary-Treasurer

# CASH DISBURSEMENTS LIST

## FEBRUARY 2016



<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
0	2/23	Southern California Edison Co.	Power purchased	22,391.69	254.68
33296	2/1	Mark Hass	Health Reimbursement	107.28	71.52
33297	2/1	Lynne Sovich	Health Reimbursement	411.83	274.55
33298	2/2	Affordable Generator Services, Inc.	Emergency generator service and repairs for #28, #30, & 29	3,428.23	
33299	2/2	Affordable Generator Services, Inc.	Emergency generator service and repairs for #35 & 41	3,663.49	
33300	2/2	Aflac	Employee paid insurance	1,323.53	
33301	2/2	ARC	Monthly billing for bond plot	804.75	268.25
33302	2/2	Associated Soils Engineering	E-940 Well 16 soil testing	420.00	
33303	2/2	AVAYA Financial Services	Land Line lease	380.68	126.90
33304	2/2	BC Laboratories, Inc	Water analysis	970.75	
33305	2/2	BC Laboratories, Inc	Water analysis	1,416.75	
33306	2/2	J & K Welding	Weld fire hydrant pipe and butt strap - 2615 Honolulu	750.00	
33307	2/2	California Building Evaluations & Const., Inc,	M-955 Mills Booster B final progress payment	2,660.00	
33308	2/2	CalPERS	Employee paid insurance	20,862.43	12,530.80
33309	2/2	Choice Pest Control	Monthly service at various sites	194.75	90.25
33310	2/2	Anupam Choubey	Refund Check	7.38	
33311	2/2	City of Glendale	Water system fees - ULARA	6,475.88	
33312	2/2	City of Glendale Water & Power	Power purchased	26,859.32	26.91
33313	2/2	Michelle Cogswell	Refund Check	100.00	
33314	2/2	Colonial Life & Accidents Ins.	Employee paid insurance	183.61	
33315	2/2	Dell Marketing L.P.	Lease contract	415.34	138.44
33316	2/2	Delta Tech Corp.	Unit #11 - Service welding truck & equipment	1,352.98	450.99
33317	2/2	Dodge Data & Analytics	E-960 & E-961 Plans & Specs advertisement for bids	1,352.50	
33318	2/2	Eurofins Eaton Analytical Inc.	Water analysis	484.00	
33319	2/2	Foothill Municipal Water	Glenale/CVWD/FMWD interconnection	100.00	
33320	2/2	Grainger	Mechanics gloves	33.94	33.93
33321	2/2	Graybar Electric Co., Inc.	E-733CS-O.V.chlorine analyzer enclosure with padlocking handle	263.59	
33322	2/2	Great America Leasing Corp.	Kyocera copier lease	434.91	434.91
33323	2/2	Hamilton Tool & Engineering	Steel nipples for 6" and 8" pipe	817.50	
33324	2/2	Yong Hee (Jason) Kang	Refund Check	19.71	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
33325	2/2	KR Nida Companies	Unit #46 - Repair lights & side markers	281.25	93.75
33326	2/2	L.A. County Dept. Public Works	Excavation permits	2,833.00	
33327	2/2	LA Dept Water and Power	Power purchased	46.42	
33328	2/2	Lincoln Financial Group	Dental - Life - Disability insurance for 02/2016	3,165.34	2,110.21
33329	2/2	Thomas A. Love	Reimbursement for renewal of Engineer license #47556	116.00	
33330	2/2	Neil MacMillan	Refund Check	66.23	
33331	2/2	Mimecast North America, Inc.	E-mail security	150.00	50.00
33332	2/2	National Fire Protection Assoc	Membership renewal Raymond Dodge	131.25	43.75
33333	2/2	Frances Nelson	Refund Check	99.15	
33334	2/2	New Image Landscaping & Tree Service, Inc.	Monthly maintenance	1,002.50	177.50
33335	2/2	Office Depot - Credit Plan	Misc supplies	267.06	267.05
33336	2/2	Maria Ortiz-Nieves	Refund Check	68.29	
33337	2/2	Paper Cuts, Inc	Paper shredding service	2.50	2.50
33338	2/2	Rachel Park	Refund Check	32.20	
33339	2/2	Rassac Air Systems	A/C heat maintenance at Plant, Office & Mills House	356.25	118.75
33340	2/2	Red Wing Shoe Store	Safety boots - Jim, Cory, Alex, Morgen	579.11	193.03
33341	2/2	Royal Wholesale Electric	E-940 Well 16 motor control center	10,199.80	
33342	2/2	Sawyer Petroleum	535.4 gal.clear diesel/Glenwood	854.79	284.93
33343	2/2	Louis Server III	Refund Check	58.66	
33344	2/2	Spectrum Business	Fibre optic service 01/2016 Mills house & Plant	2,391.25	797.06
33345	2/2	Spectrum Business	Data Communications Office	1,731.52	577.17
33346	2/2	Staples Business Advantage	Misc supplies	84.48	84.48
33347	2/2	Sully-Miller Contracting Co.	8.04 tons of cold patch	730.03	
33348	2/2	The Gas Company	Gas purchased	259.63	86.54
33349	2/2	Toro's Lawnmower & Garden	Equipment maintenance	16.10	16.10
33350	2/2	UPS	Shipping charges	45.01	16.08
33351	2/2	Vision Service Plan Co-(CA)	Group vision for 02/2016	269.88	179.92
33352	2/2	Waste Management - Sun Valley	Disposal service Office & Plant	699.62	233.20
33353	2/2	Water Environment Federation	Membership renewal for Brook Yared	297.00	
33354	2/2	Wil-Power Battery &DC Special	Batteries for emergency lights at Plant & Markridge Reservoir	154.07	51.29
33355	2/11	County Clerk of Los Angeles	Notice of Determination for Well 2 - E-956	2,285.25	
33356	2/11	L.A. County Dept. Public Works	Waste discharge permit for Well 16 E-940	2,325.00	
33357	2/11	Roy H. Spaulding	Longevity pay for 25 years of service	187.50	62.50
33358	2/16	ACWA/JPIA	Group insurance for March 2016	30,868.39	19,946.81
33359	2/16	Adams Pipeline Tapping	4" Hot tap for D-15-41 - 2700 Piedmont	400.00	
33360	2/16	ADS, LLC	Monthly monitoring		1,010.00

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
33361	2/16	AGM Electronics, Inc	Spare loop isolators	259.41	
33362	2/16	Airgas USA, LLC	Monthly cylinder rental	363.23	247.79
33363	2/16	Ameripride Uniform Services, Inc	Uniform rentals	579.38	193.13
33364	2/16	Associated Soils Engineering	E-940 Well 16 soil testing - January 2016	660.00	
33365	2/16	AT&T	PRI Usage 02/2016	3,299.92	1,065.95
33366	2/16	Regino Avalos	Trim tree at Rosemont Res. & clear brush at Pickens Canyon	995.00	
33367	2/16	BC Laboratories, Inc	Water analysis	185.00	
33368	2/16	California Water Environment	Membership renewal Morgen DuRose		164.00
33369	2/16	Capital One Commercial	Miscellaneous supplies	364.52	364.51
33370	2/16	City of LA Bureau Sanitation	Sewerage Facilities charge 208/50/439601		648.88
33371	2/16	Corporate Telecomm	Monthly maintenance charges land lines	210.65	70.21
33372	2/16	Dataprose LLC	Postage and Printing for Controls 1-4	1,552.56	1,552.55
33373	2/16	Delta Tech Corp.	Unit #26 - welding unit repairs	1,130.03	376.68
33374	2/16	Do-it Center	Misc hardware	122.62	26.52
33375	2/16	Eurofins Eaton Analytical Inc.	Water analysis	394.00	
33376	2/16	Fedak & Brown LLP	Services through 01/2016	256.50	256.50
33377	2/16	First Choice	Coffee service office	79.98	79.98
33378	2/16	Foothill Car Wash, Lube & Oil	Oil change for units #46 & #33	70.84	69.46
33379	2/16	Foothill Municipal Water	Water delivery for January 2016	130,199.11	
33380	2/16	Grainger	Supplies for USA marking	46.16	46.13
33381	2/16	Harper & Associates Eng, Inc	Clean & inspection for Goss Canyon#1 & #2, Cresta Heights #1 & #2, Eagle, Markridge & Shields reservoirs	27,900.00	
33382	2/16	Harrington Ind Plastics LLC	8"x 40'schedule 40 pvc	306.07	
33383	2/16	Home Depot Credit Services	Misc hardware 01/2016	1,721.94	560.15
33384	2/16	J&R Concrete Products, Inc	W5-1/4 metal & poly covers, boxes and lids	5,844.42	
33385	2/16	KR Nida Companies	Unit #1 - wire lightbar	162.94	54.31
33386	2/16	L.A. County Dept. Public Works	Excavation permits	4,576.35	
33387	2/16	Lagerlof, Senecal, Gosney & Kr	Legal services 01/2016	6,143.75	1,250.00
33388	2/16	Matt-Chlor Inc	LMI 4 way valve for Nitrate plant	964.62	
33389	2/16	McCall's Meter Sales & Service	Meter head for Oak Creek flowmeter	517.01	
33390	2/16	Microflex Corporation	6 cases latex gloves/sewer/lab		796.90
33391	2/16	Mike Prlich & Sons, Inc	Refund for flooding meter M-88070760	928.51	
33392	2/16	Newegg, Inc.	Dell speakers and monitors	944.12	314.69
33393	2/16	O'Reilly Auto Parts	Misc parts	73.57	54.35
33394	2/16	Orchard Supply Hardware	Misc supplies	1,068.17	473.68
33395	2/16	Paveco Construction Inc	List 2015-16-10-various paving locations	8,057.58	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
33396	2/16	Pres-Tech Manufacturer's Inc.	New pipe & cable locator	1,590.60	1,590.60
33397	2/16	Ramco	Crushed misc base 01/2016	1,805.92	
33398	2/16	Rassac Air Systems	Repair heating system at main office	142.50	47.50
33399	2/16	Royal Wholesale Electric	E-733-CS - 2 concrete boxes with galvanized covers	623.48	
33400	2/16	Sawyer Petroleum	412.6 gallons red diesel fuel/Glenwood Plant	725.69	
33401	2/16	Sems Technologies Corp.	Renewal software professional version	3,108.75	1,036.25
33402	2/16	Serge's Automotive	Unit #45 - 2 front tires & alignment	507.60	169.20
33403	2/16	Shell	Gas purchased	1,103.11	367.70
33404	2/16	Simpler Systems	Report writing software with intergation		11,475.00
33405	2/16	Star Brite Bldg. Maintenance Inc	Janitorial service 02/2016	618.75	206.25
33406	2/16	Steven Engineering Inc.	Spare Antennaes for wells & reservoirs	504.87	
33407	2/16	Sully-Miller Contracting Co.	Crush misc base	823.94	
33408	2/16	Tesco Controls, Inc	M-955 Mills Plant Booster B Variable Frequency Drive Programming	6,930.00	
33409	2/16	The Gas Company	Gas purchased	233.89	77.95
33410	2/16	Trench Shoring Company	Steel plate for 4906 La Crescenta	555.00	
33411	2/16	Underground Service Alert/SC	Underground notification for 01/2016	75.35	25.15
33412	2/16	Univar USA Inc	750 galons of bleach at Glenwood Plant	1,210.77	
33413	2/16	UPS	Shipping charges	38.10	24.27
33414	2/16	Verdugo Hills Urgents Care	Physical for Rob Wood to retain class B license	67.50	22.50
33415	2/16	Vulcan Materials Company	Crushed aggregate base for E-733CS	2,349.10	
33416	2/16	Water Wise Consulting, Inc	Water audits for 4849 Ramdell - 2540 Los Amigos	350.00	
33417	2/16	West Coast Pipe	100'- 6"cmI x cmc pipe	3,073.80	
33418	2/16	Western Water Works	Service clamps and IPS pipe	1,546.82	
33419	2/16	Whittier Fertilizer Co	4 pallets of top soil	590.80	
33420	2/23	Aflac	Employee paid insurance	1,323.53	
33421	2/23	AT&T Mobility	Cell phone service	951.27	317.09
33422	2/23	BC Laboratories, Inc	Water analysis	80.40	
33423	2/23	John Burton	Refund Check	100.00	
33424	2/23	Cargill, Inc - Salt Division	24.68 tons of bulk solar salt/np	3,097.76	
33425	2/23	Sung Chang	Refund Check	27.51	
33426	2/23	Kwang Chul Choe	Refund Check		57.25
33427	2/23	City of Glendale Fire Dept.	Hazardous materials/industrial waste annual permit 12/15 to 12/16	1,962.00	
33428	2/23	City of Glendale Water & Power	Power purchased 3427 Markridge	53.55	
33429	2/23	DMC Engineering	E-733CS-2 Construction staking services	1,720.00	
33430	2/23	General Consolidated Constructors, Inc	Refund for flooding meter	925.00	
33431	2/23	Theresa Harned	Refund Check	29.17	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
33432	2/23	Amanda Little	Refund Check	29.01	
33433	2/23	Lock-Up Inc.	Maintenance/Repairs Glenwood	693.75	231.25
33434	2/23	Los Angeles Times	Subscription renewal to 03/05/17	194.61	64.87
33435	2/23	McMaster-Carr Supply Co	Pressure regulator	226.37	
33436	2/23	Kimmerly Murlowski	Refund Check	41.04	
33437	2/23	Eduardo Nieto	Refund Check	47.21	
33438	2/23	Jean Seversoon	Refund Check	144.65	
33440	2/23	Wells Fargo Card Services	Gould: AWWA Spring Conf (reg. & airfare); AWWA leak detection workshop; chlorine tablets for plant	1,664.53	47.11
33441	2/23	Wells Fargo Card Services	Hass- Monthly recurring charges; misc. computer and phone supplies; computer hardware; board meeting dinner	627.40	209.14
33442	2/23	Wells Fargo Card Services	Love: Lunch with DPHS representative, Christy & Dave Spain	52.22	17.40
33443	2/23	Wells Fargo Card Services	Mitchell: ACWA/JPIA HR group meeting; board meeting dinner	72.87	24.29
33444	2/23	Wells Fargo Card Services	Scott: Board meeting dinners	54.18	18.05
33445	2/23	Western Water Works	Weld reducers, clamps and gaskets	1,099.80	
33446	2/23	Sun Hwa Youn	Refund Check	29.17	
33447	2/24	Los Angeles County Assessor	DVD of addresses for Prop 218 FY16/17	268.96	89.65
<b>Subtotals</b>				<b>\$ 405,811.61</b>	<b>\$ 65,889.59</b>
<b>Grand Total of Disbursements for February 2016</b>				<b>\$ 471,701.20</b>	
<b><u>Payroll Report for February 2016</u></b>					
Directors				\$	1,080.00
Office Regular Payroll				\$	129,828.00
Office OT				\$	1,077.00
Plant Regular Payroll				\$	96,511.00
Plant OT				\$	8,540.00
Employer Payroll Taxes				\$	18,046.00
Payroll Service Charges				\$	441.00
Total				<b>\$ 255,523.00</b>	

# CRESCENTA VALLEY WATER DISTRICT

## BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1  
March 15, 2016

**To:** Honorable President and Members of the Board of Directors  
**From:** David S. Gould, P.E. – District Engineer  
**Subject:** Water and Wastewater Rate Study, Project M-958

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### **ACTION ITEM:**

**Water and Wastewater Cost of Service Study, Project M-958** – Discussion of the preliminary cost of service analysis as part of the Water and Wastewater Cost of Service Study

### **BACKGROUND:**

CVWD's staff is working with Raftelis Financial Consultants (RFC) on the preparation of new water and wastewater cost of service study. RFC was requested to evaluate water rate structure alternatives including a tiered rate structure, a tiered rate structure based on allotment of groundwater and imported water, and a water budget based tiered rate structure. RFC was also requested to evaluate the wastewater rate structure alternatives including the existing fixed fee wastewater rate structure and a fixed fee rate structure with a variable rate component.

- October 8, 2015 - Staff held a kick-off meeting with RFC to discuss the parameters of the study and outline the data needs from CVWD. Key issues discussed were community participation, fixed/variable revenue recovery, conservation incentives versus revenue impact, variable wastewater charges, allocation of lowest cost water, sensitivity about existing rates, and Proposition 218.

- November 3, 2015 - RFC gave a presentation on preparing a simplified "Water Budgets 101", which gave the Directors an understanding of a water budget based rate structure.

- November 18, 2015 - A public workshop was held which presented CVWD's operations, budget, reserve policy, the water and wastewater cost of service study, and alternative rate structures.

- January 19, 2016 - Staff discussed alternative water rate structures such as uniform rate, tier rate, and a water budget based rate. The Board requested staff to provide additional detailed information and a project schedule for further discussion.

- February 2, 2016 - Staff discussed the project schedule regarding the completion of the Cost of Service Study and preparing the FY 16/17 budget for approval by June 28, 2016.

- February 16, 2016 - Staff and RFC discussed the preliminary Financial Plan for the water and wastewater budgets including key assumptions, water production estimates, capital improvement projects, and other rate setting requirements. RFC also discussed CVWD's fixed costs vs variable costs relative to CVWD's service (fixed) charge. RFC discussed the water reserves policy with respect to including a capital improvement component. The Board agreed that CVWD's water reserves policy should not include a capital improvement component. RFC discussed the next steps toward finalizing the cost of service study which includes finalizing the financial plan, cost of service analysis, alternate water rate structures, and proposed water and wastewater rates. The Board requested that staff provide an updated project schedule which will include another public work shop, prepare the FY 16/17 water and wastewater budget for review, and to complete the study.

- March 1, 2016 - Staff reviewed the project schedule with the goal of completing the cost of service analysis by April 5, 2016 and approving the FY 16/17 budget by June 28, 2016. Staff recommended Special Board meetings on March 22, 2016 and April 26, 2016. Staff recommended a Public Workshop on April 5, 2016 to review the cost of service analysis and the alternate water rate structures. Staff also recommended at least four (4) Finance Committee meetings to review the water and wastewater budget and the Proposition 218 notice. The Board agreed to the project schedule and the additional meetings.

RFC presented the revised financial plan model and discussed how the model can be a useful tool in evaluating various scenarios and the impact on projected revenues, expenditures, debt, and other financial factors.

Staff discussed that the FY 16/17 budget is being prepared using the current cash flow model and the new financial plan model concurrently. Staff will be presenting the preliminary FY 16/17 water and wastewater at the March 8, 2016 Finance Committee meeting for review and comments.

**DISCUSSION:**

RFC will make a presentation at the Board Meeting discussing the various components that generate the cost of service analyses which include the following:

- Peaking factors during an average day demand, maximum day demand and peak hour demand
- Allocation of operations and maintenance costs per types of function that the water is used for such as water supply, pumping, water storage, water distribution, customer service and other factors
- Allocation of assets costs per types of function that the water is used for such as water supply, pumping, water storage, water distribution, customer service and other factors
- Allocation of revenue requirements
- Unit cost development
- Allocation of costs to customer classes

From this discussion, RFC will revise the cost of service analysis as part of the presentation on the alternative water rate structures on March 22, 2016 and the Public Workshop on April 5, 2016.

Prepared by:



David S. Gould, P.E.  
District Engineer

Attachments:

g:\management\board meeting staff reports\2016\03-15-16 board memo - m-958 water-ww cost of service no. 5.docx

Submitted by:



Thomas A. Love  
General Manager



# CRESCENTA VALLEY WATER DISTRICT

## BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2

March 15, 2016

**To:** Honorable President and Members of the Board of Directors

**From:** Thomas A. Love, General Manager

**Subject:** **FY 2016/17 Water and Wastewater Budgets**

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### **ACTION ITEM:**

**FY 2016/17 Water and Wastewater Budgets** – Discussion regarding preliminary Water and Wastewater Budgets for FY 2016/17.

### **BACKGROUND**

The Preliminary Budgets for Fiscal Year 2016/17 for the Water and Wastewater funds have been prepared by staff. The following summarizes the year to year changes and key revenue and expense drivers for the Water Budget and Wastewater Budget.

#### Water Fund:

- Revenue
  - Water sales revenue in FY 2015/16 projected at \$810,000 below budget.
  - Water sales for FY 2016/17 projected at 133 acre-feet less than budgeted in FY 2015/16.
  - Grant revenue in FY 2015/16 projected to be \$700,000 less than budget due to the delay in receiving grant reimbursement from the State of California. (Balance of grant revenue is expected in FY 2016/17.)
  - Grant revenue in FY 2016/17 budgeted at \$1,150,000 including \$700,000 carryover from FY 2015/16.
- Operations and Maintenance Expense
  - O&M Expense in FY 2015/16 projected at \$290,000 under budget.
  - FY 2016/17 O&M Expense budget less than FY 2015/16.
- CIP and Grants
  - The method of reporting of CIP expenditures and CIP related grant revenue has been changed in the preliminary FY 2016/17 budget. Prior year's budgets reported the net of CIP expenditures less grant revenue which was not indicative of the annual amounts expended for capital improvements. The preliminary FY 2016/17 budget separates grant revenue as a source of revenue and shows the total CIP expenditure. (The projected 2015/16 shows grant revenue and CIP expenditures using the new reporting method).

#### Wastewater Fund:

- Revenue
  - Wastewater revenue in FY 2015/16 is projected to be \$20,000 under budget.
  - Wastewater revenue in FY 2016/17 is projected to be \$20,000 higher than the FY 2015/16 budget.
- Expense
  - Wastewater expense in FY 2015/16 is projected to be \$541,000 under budget.
  - Wastewater expense categories Labor & Benefits and Sewer O&M in FY 2016/17 preliminary budget are less than budgeted in FY 2015/16. Sewer CIP Expense increased to purchase replacement Vactor unit.

Fiscal Year 2016/17 Water Fund Budget:

The preliminary draft FY 2016/17 Water Fund Budget revenue requirements indicate a required water rate increase of 9%. Staff discussed budget modifications to mitigate the magnitude of the required rate increase with the Finance Committee and identified three options: defer capital improvements; issue debt and; inter-fund loan of additional MTBE funds. Staff are evaluating the risks, benefits and rate impacts of these options and will provide additional information at the Board Meeting.

Submitted by:

A handwritten signature in blue ink, appearing to read "Thomas A. Love", written over a horizontal line.

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Thomas A. Love  
General Manager

## Table Water Budget WB - 1 Projected Water Customers - FY 16/17 - Preliminary

Water Meter Size	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
3/4 inch	6,925	6,921	6,932	6,923	6,926	6,929	6,932	6,935	6,938
1 inch	810	814	815	815	818	821	824	827	830
1-1/2 inch	144	145	145	146	147	148	149	150	151
2 inch	64	64	64	64	65	66	67	68	69
3 inch	24	28	24	29	29	29	29	29	29
4 inch	2	2	2	2	2	2	2	2	2
6 inch	0	0	0	0	0	0	0	0	0
8 inch	0	0	0	0	0	0	0	0	0
10 inch	0	0	0	0	0	0	0	0	0
Total water services	7,969	7,974	7,982	7,979	7,987	7,995	8,003	8,011	8,019
Projected No. of Account Annual Increase	4	5	8	5	8	8	8	8	8
Projected Percent of Account Annual Increase	0.05%	0.06%	0.10%	0.06%	0.10%	0.10%	0.10%	0.10%	0.10%

## Table Water Budget - WB-2 Water Production and Costs - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Well Production (Verdugo Basin)	2,372	2,146	2,190	1,820	1,950	2,100	2,220	2,400	2,620
Well Production (GWP)	0	0	410	195	555	555	600	600	600
Foothill MWD Purchases <sup>(4)</sup>	2,410	1,875	1,245	1,600	1,195	1,145	1,080	1,000	880
<b>Total Production</b> <sup>(1)(2)</sup>	<b>4,782</b>	<b>4,021</b>	<b>3,845</b>	<b>3,615</b>	<b>3,700</b>	<b>3,800</b>	<b>3,900</b>	<b>4,000</b>	<b>4,100</b>
Shrinkage (percent) <sup>(3)</sup>	8%	8%	8%	8%	8%	8%	8%	8%	8%
Less Shrinkage (ac-ft)	383	322	308	289	296	304	312	320	328
<b>Total billable consumption (sales)</b>	<b>4,399</b>	<b>3,699</b>	<b>3,537</b>	<b>3,326</b>	<b>3,404</b>	<b>3,496</b>	<b>3,588</b>	<b>3,680</b>	<b>3,772</b>
FMWD Purchased Water	2,410	1,875	1,245	1,600	1,195	1,145	1,080	1,000	880
FMWD Unit Charge (\$/ac-ft)	\$ 1,308	\$ 1,461	\$ 1,681	\$ 1,553	\$ 1,756	\$ 1,841	\$ 1,959	\$ 2,098	\$ 2,305
<b>FMWD Cost</b>	<b>\$ 3,151,636</b>	<b>\$ 2,742,335</b>	<b>\$2,093,000</b>	<b>\$2,484,674</b>	<b>\$2,098,800</b>	<b>\$2,107,400</b>	<b>\$2,116,000</b>	<b>\$2,097,600</b>	<b>\$2,028,000</b>
Cost Increase/Decrease from FMWD Unit Charge	\$ (104)	\$ 153	\$ 220	\$ 92	\$ 203	\$ 84	\$ 119	\$ 138	\$ 207
Percent FMWD Cost Increase/Decrease	-7.38%	11.72%	15.04%	6.29%	13.10%	4.79%	6.45%	7.06%	9.87%
Well Production (GWP)			410	195	555	555	600	600	600
GWP Unit Charge (\$/ac-ft)			\$ 403	\$ 403	\$ 416	\$ 432	\$ 439	\$ 456	\$ 473
<b>GWP Cost</b>			<b>\$165,230</b>	<b>\$78,585</b>	<b>\$230,880</b>	<b>\$239,760</b>	<b>\$263,400</b>	<b>\$273,600</b>	<b>\$283,800</b>

**Notes:**

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

## Water Budget Table WB-3 Sources of Water Funds - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>Sources of Funds - Variable Sources</b>									
Water Sales - Consumers	\$ 7,463,415	\$ 6,594,471	\$ 6,868,000	\$ 6,058,000	\$ 7,208,000	\$ 8,086,000	\$ 9,059,000	\$ 10,190,000	\$ 11,060,000
<i>Water Sales - CVWD</i>	\$ 4,843,462	\$ 4,162,173	\$ 6,868,000	\$ 6,058,000	\$ 7,208,000	\$ 8,086,000	\$ 9,059,000	\$ 10,190,000	\$ 11,060,000
<i>Water Sale - FMWD</i>	\$ 2,619,953	\$ 2,432,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - Water	\$ 125,914	\$ 91,782	\$ 100,000	\$ 100,000	\$ 102,000	\$ 104,000	\$ 106,000	\$ 108,000	\$ 110,000
Gain/Loss on Sale of Investments	\$ 47,243	\$ 94,125	\$ -	\$ 40,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Fair Value Adjustment	\$ 202,439	\$ (122,475)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - MTBE Reserve Fund	\$ 46,780	\$ 103,498	\$ 125,000	\$ 110,000	\$ 115,000	\$ 117,000	\$ 119,000	\$ 121,000	\$ 123,000
<b>Subtotal variable sources</b>	<b>\$ 7,885,791</b>	<b>\$ 6,761,401</b>	<b>\$ 7,093,000</b>	<b>\$ 6,308,000</b>	<b>\$ 7,475,000</b>	<b>\$ 9,334,000</b>	<b>\$ 9,334,000</b>	<b>\$ 10,469,000</b>	<b>\$ 11,343,000</b>
<b>Sources of Funds - Stable Sources</b>									
Water Sales - Service Charge	\$ 1,731,323	\$ 1,828,481	\$ 1,938,000	\$ 1,936,000	\$ 2,111,000	\$ 2,309,000	\$ 2,523,000	\$ 2,771,000	\$ 2,937,000
Fire Service Meter Charge	\$ 31,667	\$ 33,300	\$ 34,000	\$ 33,000	\$ 39,000	\$ 44,000	\$ 48,000	\$ 53,000	\$ 57,000
Late Fees/Fire Hydrant Flow/Backflow Tests	\$ 70,271	\$ 71,455	\$ 70,000	\$ 77,000	\$ 80,000	\$ 83,000	\$ 86,000	\$ 89,000	\$ 92,000
Other Income - Water	\$ -	\$ -	\$ 7,000	\$ 3,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Rental Property Income	\$ 21,573	\$ 22,200	\$ 22,500	\$ 23,000	\$ 23,000	\$ 23,000	\$ 23,000	\$ 26,000	\$ 26,000
<b>Subtotal - Stable Sources</b>	<b>\$ 1,854,834</b>	<b>\$ 1,955,436</b>	<b>\$ 2,071,500</b>	<b>\$ 2,072,000</b>	<b>\$ 2,258,000</b>	<b>\$ 2,464,000</b>	<b>\$ 2,685,000</b>	<b>\$ 2,944,000</b>	<b>\$ 3,117,000</b>
<b>Sources of Funds - CIP Sources</b>									
Water Systems Connect Fee	\$ 62,660	\$ 40,212	\$ 39,800	\$ 33,000	\$ 45,000	\$ 50,000	\$ 55,000	\$ 60,000	\$ 60,000
Meter Installation/Hydrant Charges	\$ 24,883	\$ 148,150	\$ 50,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 70,000	\$ 80,000	\$ 90,000
Grant Revenue	\$ 78,772	\$ 49,273	\$ 1,400,000	\$ 698,025	\$ 1,150,250	\$ 620,475	\$ 35,300	\$ -	\$ -
Gain/Loss on Sale of Assets	\$ 4,360	\$ 664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - COP Bonds (not included in subtotal or total)	\$ 223	\$ 162	\$ 200	\$ 200	\$ 200	\$ -	\$ -	\$ -	\$ -
<b>Subtotal CIP Sources</b>	<b>\$ 170,898</b>	<b>\$ 238,461</b>	<b>\$ 1,490,000</b>	<b>\$ 761,225</b>	<b>\$ 1,225,450</b>	<b>\$ 730,475</b>	<b>\$ 160,300</b>	<b>\$ 140,000</b>	<b>\$ 150,000</b>
<b>TOTAL SOURCE OF FUNDS</b>	<b>\$ 9,911,523</b>	<b>\$ 8,955,298</b>	<b>\$ 10,654,500</b>	<b>\$ 9,141,225</b>	<b>\$ 10,958,450</b>	<b>\$ 12,528,475</b>	<b>\$ 12,179,300</b>	<b>\$ 13,553,000</b>	<b>\$ 14,610,000</b>

### Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>COMPENSATION AND BENEFITS</b>									
Director Fees	\$ 8,370	\$ 9,225	\$ 8,000	\$ 10,800	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
<b>Compensation</b>									
Officer Salaries	\$ 144,628	\$ 150,010	\$ 164,500	\$ 159,600	\$ 168,000	\$ 171,000	\$ 172,000	\$ 174,000	\$ 176,000
Administrative Services Labor	\$ 312,017	\$ 332,408	\$ 360,000	\$ 344,200	\$ 361,000	\$ 371,000	\$ 376,000	\$ 382,000	\$ 385,000
Administrative Services Labor - OT	\$ 6,127	\$ 3,209	\$ 3,000	\$ 3,300	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Engineering Department Labor	\$ 301,033	\$ 291,255	\$ 436,000	\$ 290,000	\$ 291,000	\$ 301,000	\$ 308,000	\$ 313,000	\$ 317,000
Engineering Department Labor-OT	\$ 2,164	\$ 2,627	\$ 2,000	\$ 4,300	\$ 4,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000
Plant - Office Labor	\$ 219,552	\$ 202,521	\$ 236,000	\$ 158,800	\$ 218,000	\$ 223,000	\$ 225,000	\$ 228,000	\$ 243,000
Plant - Office Labor-OT	\$ 466	\$ 352	\$ 400	\$ 400	\$ -	\$ -	\$ -	\$ -	\$ -
System Operators Labor	\$ 295,911	\$ 274,129	\$ 324,000	\$ 277,000	\$ 293,000	\$ 301,000	\$ 304,000	\$ 307,000	\$ 310,000
System Operators Labor-OT	\$ 24,712	\$ 24,973	\$ 27,000	\$ 21,900	\$ 22,000	\$ 22,000	\$ 22,000	\$ 23,000	\$ 23,000
Utility Workers Labor	\$ 294,955	\$ 325,943	\$ 372,000	\$ 334,000	\$ 339,000	\$ 356,000	\$ 364,000	\$ 374,000	\$ 398,000
Utility Workers Labor-OT	\$ 42,065	\$ 51,582	\$ 45,000	\$ 50,600	\$ 51,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Standby Pay	\$ 42,002	\$ 41,038	\$ 41,000	\$ 43,300	\$ 43,000	\$ 44,000	\$ 44,000	\$ 45,000	\$ 46,000
Auto Allowance	\$ 8,700	\$ 9,075	\$ 10,000	\$ 10,200	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Labor Transfer to Capital	\$ (128,358)	\$ (154,281)	\$ (150,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Compensation Total</b>	<b>\$ 1,702,702</b>	<b>\$ 1,564,066</b>	<b>\$ 1,878,900</b>	<b>\$ 1,708,400</b>	<b>\$ 1,812,000</b>	<b>\$ 1,866,000</b>	<b>\$ 1,893,000</b>	<b>\$ 1,926,000</b>	<b>\$ 1,979,000</b>
Sick and Vacation - Office	\$ 67,986	\$ 133,363	\$ 107,000	\$ 99,800	\$ 110,000	\$ 112,000	\$ 113,000	\$ 115,000	\$ 116,000
Sick and Vacation - Plant	\$ 45,324	\$ 88,909	\$ 71,000	\$ 66,500	\$ 73,000	\$ 74,000	\$ 76,000	\$ 77,000	\$ 77,000
Taxes - Payroll (Total Employees)	\$ 126,904	\$ 130,866	\$ 136,000	\$ 132,700	\$ 137,000	\$ 139,000	\$ 141,000	\$ 143,000	\$ 145,000
PERS Retirement (Total Employees)	\$ 264,073	\$ 274,681	\$ 291,000	\$ 271,400	\$ 311,000	\$ 342,000	\$ 367,000	\$ 392,000	\$ 404,000
Workers' Compensation - Office	\$ 14,131	\$ 13,221	\$ 16,000	\$ 19,800	\$ 20,000	\$ 18,000	\$ 16,000	\$ 13,000	\$ 13,000
Workers' Compensation - Plant	\$ 58,439	\$ 56,460	\$ 74,000	\$ 80,300	\$ 89,000	\$ 82,000	\$ 71,000	\$ 57,000	\$ 58,000
Health and Dental and Vision - Office	\$ 124,616	\$ 136,220	\$ 137,000	\$ 130,700	\$ 128,000	\$ 131,000	\$ 133,000	\$ 136,000	\$ 138,000
Life & Disability Insurance - Office & Plant	\$ 8,374	\$ 9,497	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 11,000	\$ 12,000
Health and Dental and Vision - Plant	\$ 132,108	\$ 140,649	\$ 152,000	\$ 136,300	\$ 140,000	\$ 142,000	\$ 145,000	\$ 148,000	\$ 150,000
Self Insurance	\$ 11,286	\$ 9,301	\$ 13,000	\$ 6,600	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Retiree - Health Care Expense	\$ 86,345	\$ 74,635	\$ 79,000	\$ 72,100	\$ 74,000	\$ 75,000	\$ 77,000	\$ 78,000	\$ 80,000
<b>Benefits Total</b>	<b>\$ 939,586</b>	<b>\$ 1,067,802</b>	<b>\$ 1,086,000</b>	<b>\$ 1,026,200</b>	<b>\$ 1,105,000</b>	<b>\$ 1,138,000</b>	<b>\$ 1,162,000</b>	<b>\$ 1,183,000</b>	<b>\$ 1,206,000</b>
<b>TOTAL COMPENSATION AND BENEFITS</b>	<b>\$ 2,642,288</b>	<b>\$ 2,631,868</b>	<b>\$ 2,964,900</b>	<b>\$ 2,734,600</b>	<b>\$ 2,917,000</b>	<b>\$ 3,004,000</b>	<b>\$ 3,055,000</b>	<b>\$ 3,109,000</b>	<b>\$ 3,185,000</b>



### Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>PLANT - WATER OPERATION</b>									
Taxes - Property	\$ 12,030	\$ 12,302	\$ 12,800	\$ 12,800	\$ 13,300	\$ 13,800	\$ 14,300	\$ 14,800	\$ 15,300
Glenwood - Plant Maintenance	\$ 10,417	\$ 35,332	\$ 25,000	\$ 25,000	\$ 26,000	\$ 26,000	\$ 26,000	\$ 26,000	\$ 27,000
Glenwood - Landscape	\$ 4,716	\$ 5,460	\$ 7,500	\$ 5,900	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500
Office Supplies & Misc Expenses - Plant	\$ 8,880	\$ 9,369	\$ 6,000	\$ 6,000	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000
Glenwood - Utilities	\$ 16,329	\$ 17,368	\$ 14,000	\$ 14,000	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Glenwood - Enterprise Communications - Move to Office	\$ 37,923	\$ 42,352	\$ -	\$ -	\$ -	<i>combined 01-01-5225</i>			
Glenwood - Wireless Voice & Data Communications	\$ 8,159	\$ 10,135	\$ -	\$ -	\$ -	<i>combined 01-01-5226</i>			
Training - Plant	\$ 7,010	\$ 6,307	\$ 7,000	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,200
Education Reimbursement/Certifications	\$ 5,675	\$ 3,707	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000	\$ 5,000
Glenwood - Safety and Security System	\$ 25,889	\$ 16,888	\$ 17,000	\$ 17,000	\$ 17,500	\$ 18,000	\$ 18,500	\$ 19,000	\$ 19,500
Glenwood - Uniforms	\$ 9,700	\$ 9,865	\$ 8,500	\$ 8,500	\$ 9,000	\$ 9,500	\$ 10,000	\$ 10,500	\$ 11,000
Permit & Assessment Fees	\$ 1,198	\$ 1,230	\$ 1,500	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Tools and Equipment Maintenance	\$ 12,008	\$ 14,961	\$ 20,000	\$ 14,500	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Nitrate Plant Maintenance	\$ 39,189	\$ 49,440	\$ 80,000	\$ 70,000	\$ 85,000	\$ 90,000	\$ 95,000	\$ 99,000	\$ 103,000
SCADA - Telemetry & Signal	\$ 8,241	\$ 7,687	\$ 13,500	\$ 6,000	\$ 15,000	\$ 16,500	\$ 17,500	\$ 18,500	\$ 19,500
SCADA Hardware	\$ 2,861	\$ 11,182	\$ 6,000	\$ 3,500	\$ 9,000	\$ 10,500	\$ 11,500	\$ 12,500	\$ 13,500
SCADA Software	\$ 204	\$ -	\$ 12,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000
SCADA - Communications	\$ 1,593	\$ 1,431	\$ 3,500	\$ 2,500	\$ 2,500	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,500
Lab & Sampling	\$ 52,308	\$ 93,575	\$ 65,000	\$ 55,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000	\$ 75,000
Chlorine & Treatment	\$ 61,361	\$ 72,859	\$ 75,000	\$ 77,000	\$ 77,000	\$ 79,000	\$ 81,000	\$ 83,000	\$ 85,000
<b>TOTAL PLANT WATER OPERATION</b>	<b>\$ 325,691</b>	<b>\$ 421,450</b>	<b>\$ 415,500</b>	<b>\$ 342,200</b>	<b>\$ 394,300</b>	<b>\$ 413,800</b>	<b>\$ 431,800</b>	<b>\$ 447,300</b>	<b>\$ 464,000</b>
<b>DISTRIBUTION SYSTEM EXPENSES</b>									
Backflow Expense	\$ 389	\$ 331	\$ 250	\$ 250	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Maintenance	\$ 18,930	\$ 55,643	\$ 50,000	\$ 40,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000	\$ 55,000
Pipelines - Paving	\$ 12,908	\$ 19,030	\$ 17,000	\$ 19,000	\$ 20,000	\$ 21,000	\$ 22,000	\$ 23,000	\$ 24,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	\$ 547	\$ 9,939	\$ 12,000	\$ 15,500	\$ 13,000	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000
Pipelines - Leak Detection/Leak Repair	\$ 330	\$ 550	\$ 3,000	\$ 3,200	\$ 25,000	\$ 5,000	\$ 25,000	\$ 5,000	\$ 6,000
Pipelines - Trench Plate Rentals	\$ 1,229	\$ 4,373	\$ 1,500	\$ 3,400	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,000
Pipelines - Water Sampling Stations	\$ 669	\$ 1,252	\$ 500	\$ 250	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Valves	\$ -	\$ -	\$ 3,000	\$ 3,400	\$ 4,000	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000
Reservoir - Maintenance	\$ 30,917	\$ 73,564	\$ 80,000	\$ 60,000	\$ 83,000	\$ 86,000	\$ 89,000	\$ 92,000	\$ 95,000
Reservoir - Landscape	\$ 19,855	\$ 14,752	\$ 22,000	\$ 22,000	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ 27,000
Meters - Maintenance	\$ 328,235	\$ 265,372	\$ 275,000	\$ 250,000	\$ 250,000	\$ 215,000	\$ 216,000	\$ 217,000	\$ 150,000
Meters - Paving	\$ 337,413	\$ 186,142	\$ 275,000	\$ 290,000	\$ 250,000	\$ 250,000	\$ 255,000	\$ 260,000	\$ 150,000
Meters - Repair/Replacement/Upgrade	\$ 4,948	\$ 4,823	\$ 15,000	\$ 5,000	\$ 16,000	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000
Meters - Lateral Leaks	\$ 90,443	\$ 58,875	\$ 150,000	\$ 80,000	\$ 150,000	\$ 75,000	\$ 76,000	\$ 77,000	\$ 78,000
Meters - Trench Plate Rentals	\$ 6,475	\$ 3,420	\$ 2,000	\$ 500	\$ 2,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Meters - D-jobs	\$ 9,710	\$ 101,219	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 10,000
Wells - Maintenance	\$ 27,331	\$ 54,389	\$ 32,000	\$ 20,000	\$ 33,000	\$ 34,000	\$ 37,000	\$ 40,000	\$ 43,000
Wells - Landscape	\$ 7,581	\$ 3,360	\$ 3,500	\$ 3,500	\$ 4,000	\$ 4,500	\$ 5,000	\$ 5,500	\$ 6,000
Wells - Rent	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300
Booster Pump - Maintenance	\$ 58,700	\$ 18,453	\$ 60,000	\$ 75,000	\$ 65,000	\$ 70,000	\$ 75,000	\$ 80,000	\$ 82,000
Emergency Generators	\$ 11,712	\$ 21,348	\$ 22,000	\$ 12,000	\$ 22,500	\$ 23,000	\$ 23,500	\$ 24,000	\$ 24,500
Auto/Truck - Maintenance	\$ 76,727	\$ 72,212	\$ 50,000	\$ 60,000	\$ 55,000	\$ 57,000	\$ 59,000	\$ 61,000	\$ 62,000
Auto/Truck - Gas	\$ 25,875	\$ 21,008	\$ 17,500	\$ 17,500	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 22,000
Auto/Truck - Diesel	\$ 17,042	\$ 18,566	\$ 17,500	\$ 16,500	\$ 18,000	\$ 18,500	\$ 19,000	\$ 19,500	\$ 20,000
<b>TOTAL DISTRIBUTION SYSTEM EXPENSES</b>	<b>\$ 1,112,362</b>	<b>\$ 1,008,921</b>	<b>\$ 1,117,050</b>	<b>\$ 1,005,300</b>	<b>\$ 1,116,300</b>	<b>\$ 1,003,300</b>	<b>\$ 1,052,300</b>	<b>\$ 1,060,300</b>	<b>\$ 902,800</b>

### Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>GENERAL AND ADMINISTRATIVE EXPENSES</b>									
General Liability Insurance	\$ 46,256	\$ 44,131	\$ 53,000	\$ 53,000	\$ 56,000	\$ 59,000	\$ 62,000	\$ 65,000	\$ 68,000
Accounting - Audit	\$ 15,079	\$ 11,515	\$ 13,000	\$ 13,000	\$ 13,000	\$ 14,500	\$ 15,000	\$ 15,500	\$ 16,000
Legal Consulting Fees	\$ 42,935	\$ 85,614	\$ 45,000	\$ 51,000	\$ 47,000	\$ 49,000	\$ 51,000	\$ 53,000	\$ 55,000
Administrative Consultants	\$ 34,711	\$ 73,932	\$ 120,000	\$ 90,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 100,000
Election Expense	\$ 36,751	\$ -	\$ 40,000	\$ -	\$ -	\$ 45,000	\$ -	\$ 45,000	\$ -
Office Maintenance	\$ 10,135	\$ 9,652	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Landscape Maintenance - Office	\$ 5,129	\$ 6,631	\$ 7,500	\$ 6,500	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500
Office Supplies & Misc Expenses - Office	\$ 5,459	\$ 5,041	\$ 5,500	\$ 5,500	\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500
Computer Hardware	\$ 21,660	\$ 24,719	\$ 27,000	\$ 27,000	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Computer Software	\$ 18,067	\$ 27,965	\$ -	\$ -	\$ -	<i>Combined with Computer Software, Maint. Lic</i>			
Computer Software, Maintenance, Licenses	\$ 17,551	\$ 19,353	\$ 60,000	\$ 45,000	\$ 50,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Utilities - Office	\$ 17,698	\$ 19,978	\$ 20,000	\$ 23,000	\$ 21,000	\$ 21,500	\$ 22,000	\$ 22,500	\$ 23,000
Enterprise Voice Communications	\$ 24,475	\$ 25,463	\$ 12,750	\$ 37,000	\$ 43,800	\$ 44,800	\$ 45,800	\$ 46,800	\$ 47,800
Data Communications - Fiber Lines/Internet	\$ -	\$ -	\$ 48,750	\$ 47,000	\$ 49,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Wireless Voice & Data Communications-cell	\$ 15,078	\$ 5,670	\$ 29,500	\$ 12,500	\$ 14,000	\$ 15,000	\$ 15,500	\$ 16,000	\$ 16,500
Printing, Postage, Stationery, Copier Maint.	\$ 41,638	\$ 43,423	\$ 37,000	\$ 35,000	\$ 37,500	\$ 38,000	\$ 38,500	\$ 39,500	\$ 40,500
Uncollectible Accounts-Water	\$ 9,190	\$ 9,312	\$ 3,000	\$ 4,400	\$ 3,500	\$ 3,500	\$ 4,000	\$ 4,000	\$ 4,500
Water System Fees (DHS, RWQCB, LAFCO, Misc)	\$ 47,454	\$ 46,503	\$ 60,000	\$ 46,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Engineering Department	\$ 10,511	\$ 10,660	\$ 9,900	\$ 10,800	\$ 11,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Water Conservation	\$ 31,208	\$ 22,848	\$ 45,000	\$ 26,000	\$ 44,500	\$ 45,500	\$ 46,500	\$ 47,500	\$ 48,500
Pipeline/Advertising - Water Conservation	\$ -	\$ 1,309	\$ 5,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Turf Rebates - Water Conservation	\$ 51,061	\$ 109,470	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ -
Device Rebates - Water Conservation	\$ 50	\$ 3,775	\$ 5,000	\$ 3,500	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Community Outreach	\$ -	\$ 534	\$ 12,000	\$ 9,200	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 15,000
Training - Office	\$ 5,931	\$ 3,271	\$ 3,000	\$ 2,900	\$ 3,500	\$ 4,000	\$ 4,500	\$ 5,000	\$ 5,500
Conferences and Seminars - Office	\$ 10,260	\$ 7,518	\$ 10,000	\$ 8,000	\$ 9,000	\$ 10,000	\$ 11,000	\$ 12,000	\$ 13,000
Board of Directors - Conferences and Seminars	\$ 3,216	\$ 2,265	\$ 2,300	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,200	\$ 5,400	\$ 5,600
Misc Administration - Office	\$ 2,598	\$ 5,292	\$ 5,000	\$ 4,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 6,000	\$ 7,000
Board of Directors - Misc Administration	\$ 1,286	\$ 1,758	\$ 2,000	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Membership Renewals/Subscriptions	\$ 23,501	\$ 22,893	\$ 26,000	\$ 22,000	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ 27,000
Bank Charges	\$ 12,818	\$ 14,971	\$ 15,500	\$ 16,500	\$ 18,000	\$ 18,500	\$ 19,000	\$ 19,500	\$ 20,000
Rental Property	\$ -	\$ 2,314	\$ 3,100	\$ 3,100	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
<b>TOTAL GENERAL AND ADMINISTRATIVE EXPENSES</b>	<b>\$ 561,706</b>	<b>\$ 667,780</b>	<b>\$ 735,600</b>	<b>\$ 657,400</b>	<b>\$ 758,800</b>	<b>\$ 822,300</b>	<b>\$ 796,500</b>	<b>\$ 861,700</b>	<b>\$ 775,900</b>
Emergency Operations	\$ -	\$ -	\$ 2,000	\$ 1,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
<b>FIRE &amp; DEBRIS RECOVERY</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000</b>	<b>\$ 1,000</b>	<b>\$ 2,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>
<b>TOTAL EXPENSE</b>	<b>\$ 4,642,047</b>	<b>\$ 4,730,019</b>	<b>\$ 5,235,050</b>	<b>\$ 4,740,500</b>	<b>\$ 5,188,400</b>	<b>\$ 5,246,400</b>	<b>\$ 5,338,600</b>	<b>\$ 5,481,300</b>	<b>\$ 5,330,700</b>
<b>Total O &amp; M Expense (w/o Labor &amp; Benefits)</b>	<b>\$ 1,999,759</b>	<b>\$ 2,098,151</b>	<b>\$ 2,270,150</b>	<b>\$ 2,005,900</b>	<b>\$ 2,271,400</b>	<b>\$ 2,242,400</b>	<b>\$ 2,283,600</b>	<b>\$ 2,372,300</b>	<b>\$ 2,145,700</b>



## Water Budget Table WB-5 Water - Purchase Water & Power - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Purchased Water - FWMD (ac-ft)	2,410	1,875	1,900	1,600	1,195	1,145	1,080	1,000	880
Projected FMWD Cost	\$ 3,150,800	\$ 2,741,033	\$ 2,732,149	\$ 2,484,674	\$ 2,098,800	\$ 2,107,400	\$ 2,116,000	\$ 2,097,600	\$ 2,028,000
Purchased Water - GWP (ac-ft)	0	0	410	195	555	555	600	600	600
Projected GWP Cost	\$ -	\$ -	\$ 165,230	\$ 78,585	\$ 230,880	\$ 239,760	\$ 263,400	\$ 273,600	\$ 283,800
Purchased Power Cost	\$ 672,908	\$ 682,044	\$ 678,000	\$ 634,200	\$ 695,000	\$ 716,000	\$ 737,000	\$ 759,000	\$ 778,000
SCE	\$ 301,975	\$ 296,387	\$ 294,000	\$ 255,400	\$ 265,000	\$ 272,950	\$ 281,139	\$ 289,573	\$ 296,812
Glendale	\$ 380,074	\$ 388,734	\$ 389,000	\$ 379,000	\$ 430,000	\$ 442,900	\$ 456,187	\$ 469,873	\$ 481,619
Constellation Credit	\$ (9,141)	\$ (3,077)	\$ (5,000)	\$ (200)	\$ (500)	\$ -	\$ -	\$ -	\$ -
% Increase/Decrease - Import Water Cost	41.1%	-13.0%	-0.3%	-9.4%	-15.5%	0.4%	0.4%	-0.9%	-3.3%
% Increase/Decrease - Power Cost	4.5%	1.4%	-0.6%	-7.0%	9.6%	3.0%	3.0%	3.0%	2.5%
Power cost/ac-ft	\$141	\$170	\$176	\$175	\$188	\$188	\$189	\$190	\$190

## Water Budget Table WB - 6 Water Capital Outlay & Equipment - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Spring Brook Software - Fixed Assets					\$ 11,250				
Spring Brook Software - Payroll Module						\$ 18,750			
Spring Brook Software - Work Order Module							\$ 26,250		
Spring Brook Software - Project Management Module								\$ 15,000	
Spring Brook Software - Extend Budget Module									\$ 15,000
Software (Document/Billing Process Design)	\$ 1,528								
Upgrade SCADA Equipment (SCADA 1A & 1B)	\$ 29,255								
Upgrade Computer Hardware & Security	\$ 14,952		\$ 52,000	\$ 20,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 20,000
Main Office - Seismic Upgrades					\$ 15,000				
Main Office - Upgrades			\$ 10,000	\$ -	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 15,000
Misc.			\$ 3,000	\$ 2,000	\$ 3,750	\$ 6,250	\$ 4,750	\$ 5,000	\$ 5,000
<b>CO Total</b>	<b>\$ 45,735</b>	<b>\$ -</b>	<b>\$ 65,000</b>	<b>\$ 22,000</b>	<b>\$ 80,000</b>	<b>\$ 75,000</b>	<b>\$ 81,000</b>	<b>\$ 65,000</b>	<b>\$ 55,000</b>
<b>Capital - Equipment</b>									
Water Quality - 5 Chlorine Analyzers	\$ 32,497								
Pipe Tool		\$ 7,721							
Vehicle Replacement - Unit 5	\$ 44,533								
Vehicle Replacement - Unit 7	\$ 25,661								
Vehicle Replacement - Unit 12	\$ 23,245								
Vehicle Replacement - Unit 46		\$ 90,546							
Vehicle Replacement - Unit 47		\$ 51,975							
Vehicle Replacement - Unit 1					\$ 30,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>CE Total</b>	<b>\$ 125,936</b>	<b>\$ 150,242</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>
<b>CO &amp; CE - Total</b>	<b>\$ 171,671</b>	<b>\$ 150,242</b>	<b>\$ 65,000</b>	<b>\$ 22,000</b>	<b>\$ 110,000</b>	<b>\$ 150,000</b>	<b>\$ 156,000</b>	<b>\$ 140,000</b>	<b>\$ 130,000</b>

## Water Budget Table WB -7 Water - Capital Improvement Projects - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget FY 2015-16</i>	<i>Projected FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Water Supply	\$ 352,370	\$ 545,588	\$ 1,945,000	\$ 2,278,754	\$ 840,000	\$ 805,000	\$ 600,000	\$ 500,000	\$ 500,000
Water Storage	\$ 350,043	\$ 172,335	\$ -	\$ -	\$ 320,000	\$ 320,000	\$ 400,000	\$ 400,000	\$ 400,000
Water Distribution	\$ 641,526	\$ 1,143,405	\$ 880,000	\$ 812,852	\$ 1,365,000	\$ 1,395,000	\$ 1,245,000	\$ 1,350,000	\$ 1,550,000
Water Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000
Technology	\$ 21,847	\$ 25,524	\$ 315,000	\$ 56,000	\$ 200,000	\$ 205,000	\$ 430,000	\$ 350,000	\$ -
Public Safety/Emergency Response	\$ -	\$ 93,754	\$ 75,000	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -
Facilities & Planning	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 275,000
<b>Total CIP</b>	<b>\$ 1,365,786</b>	<b>\$ 1,980,606</b>	<b>\$ 3,215,000</b>	<b>\$ 3,147,606</b>	<b>\$ 2,800,000</b>	<b>\$ 2,800,000</b>	<b>\$ 2,800,000</b>	<b>\$ 2,800,000</b>	<b>\$ 2,800,000</b>

## Water Budget Table WB - 8 Water Reserve Targets - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget FY 2015-16</i>	<i>Projected FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Rate stabilization (a)	\$ 1,888,000	\$ 1,670,000	\$ 1,902,000	\$ 1,515,000	\$ 1,802,000	\$ 2,022,000	\$ 2,265,000	\$ 2,548,000	\$ 2,765,000
Emergency fund (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
<i>Labor &amp; benefits</i>	\$ 2,642,288	\$ 2,631,868	\$ 2,961,000	\$ 2,734,600	\$ 2,917,000	\$ 3,004,000	\$ 3,055,000	\$ 3,109,000	\$ 3,185,000
<i>Power</i>	\$ 672,908	\$ 682,044	\$ 678,000	\$ 634,200	\$ 695,000	\$ 716,000	\$ 737,000	\$ 759,000	\$ 778,000
<i>Operating expenses</i>	\$ 1,999,759	\$ 2,098,151	\$ 2,306,800	\$ 2,005,900	\$ 2,271,400	\$ 2,242,400	\$ 2,283,600	\$ 2,372,300	\$ 2,145,700
<i>O &amp; M Costs</i>	\$ 5,314,955	\$ 5,412,063	\$ 5,945,800	\$ 5,374,700	\$ 5,883,400	\$ 5,962,400	\$ 6,075,600	\$ 6,240,300	\$ 6,108,700
Working cash (c)	\$ 885,826	\$ 902,011	\$ 990,967	\$ 895,783	\$ 980,567	\$ 993,733	\$ 1,012,600	\$ 1,040,050	\$ 1,018,117
<b>Total target cash reserves</b>	<b>\$ 3,524,000</b>	<b>\$ 3,322,000</b>	<b>\$ 3,643,000</b>	<b>\$ 3,161,000</b>	<b>\$ 3,533,000</b>	<b>\$ 3,766,000</b>	<b>\$ 4,028,000</b>	<b>\$ 4,338,000</b>	<b>\$ 4,533,000</b>

**Note:**

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

## Water Budget Table WB - 8A MTBE Fund Reserve - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget FY 2015-16</i>	<i>Projected FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>MTBE - Income</b>									
MTBE Settlement	\$ 6,845,647	\$ -	\$ -	\$ 6,320	\$ -	\$ -	\$ -	\$ -	\$ -
Repayment from CVWD General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 500,000
MTBE - Income from Sale of Investments	\$ 47,243	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Income</b>	<b>\$ 6,892,890</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,320</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>
<b>MTBE - Expense</b>									
Transfer to CVWD General Fund	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
Lab Expense	\$ 62,427	\$ 43,798	\$ 50,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 25,000
Labor Expense	\$ -	\$ -	\$ 12,000	\$ -	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 6,000
Administrative Consultant	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -
<b>Total Expense</b>	<b>\$ 62,427</b>	<b>\$ 43,798</b>	<b>\$ 2,102,000</b>	<b>\$ 2,035,000</b>	<b>\$ 43,000</b>	<b>\$ 43,000</b>	<b>\$ 43,000</b>	<b>\$ 118,000</b>	<b>\$ 31,000</b>
<b>Increase (Decrease) to Fund</b>	<b>\$ 6,830,463</b>	<b>\$ (43,798)</b>	<b>\$ (2,102,000)</b>	<b>\$ (2,028,680)</b>	<b>\$ (43,000)</b>	<b>\$ (43,000)</b>	<b>\$ 457,000</b>	<b>\$ 382,000</b>	<b>\$ 469,000</b>
<b>MTBE Reserve Fund</b>									
FY Begin Available MTBE Reserve Funds	\$ 2,049,556	\$ 8,880,019	\$ 8,836,221	\$ 8,836,221	\$ 6,807,541	\$ 6,764,541	\$ 6,721,541	\$ 7,178,541	\$ 7,560,541
FY End Available MTBE Reserve Funds	\$ 8,880,019	\$ 8,836,221	\$ 6,734,221	\$ 6,807,541	\$ 6,764,541	\$ 6,721,541	\$ 7,178,541	\$ 7,560,541	\$ 8,029,541

**Note:**

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

# Water Budget Table WB-9 - Total Sources - FY 16/17 - Preliminary

	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>REVENUE</b>									
Service Readiness Charge Revenue	\$ 1,731,323	\$ 1,828,481	\$ 1,938,000	\$ 1,936,000	\$ 2,111,000	\$ 2,309,000	\$ 2,523,000	\$ 2,771,000	\$ 2,937,000
Metered sales of water (CVWD Costs)	\$ 4,843,462	\$ 4,162,173	\$ 6,868,000	\$ 6,058,000	\$ 7,208,000	\$ 8,086,000	\$ 9,059,000	\$ 10,190,000	\$ 11,060,000
Required metered sales of water (FMWD Costs)	\$ 2,619,953	\$ 2,432,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income - Water Reserves	\$ 125,914	\$ 91,782	\$ 100,000	\$ 100,000	\$ 102,000	\$ 104,000	\$ 106,000	\$ 108,000	\$ 110,000
Interest Income - MTBE Reserves	\$ 46,780	\$ 103,000	\$ 125,000	\$ 110,000	\$ 115,000	\$ 117,000	\$ 119,000	\$ 121,000	\$ 123,000
Source of Funds - Other Sources	\$ 170,754	\$ 221,080	\$ 126,500	\$ 176,000	\$ 147,000	\$ 155,000	\$ 162,000	\$ 173,000	\$ 180,000
Sources of Funds - CIP Sources	\$ 170,898	\$ 238,461	\$ 1,490,000	\$ 761,225	\$ 1,225,450	\$ 730,475	\$ 160,300	\$ 140,000	\$ 150,000
Transfer from MTBE Fund			\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL REVENUE</b>	<b>\$ 9,771,511</b>	<b>\$ 9,077,276</b>	<b>\$ 12,647,500</b>	<b>\$ 11,141,225</b>	<b>\$ 10,908,450</b>	<b>\$ 11,501,475</b>	<b>\$ 12,129,300</b>	<b>\$ 13,503,000</b>	<b>\$ 14,560,000</b>
<b>OPERATIONS &amp; MAINTENANCE (O &amp; M) EXPENSE</b>									
Labor & Benefits	\$ 2,642,288	\$ 2,631,868	\$ 2,964,900	\$ 2,734,600	\$ 2,917,000	\$ 3,004,000	\$ 3,055,000	\$ 3,109,000	\$ 3,185,000
Purchased Water (FMWD)	\$ 3,151,636	\$ 2,741,033	\$ 2,093,000	\$ 2,485,000	\$ 2,099,000	\$ 2,107,000	\$ 2,116,000	\$ 2,098,000	\$ 2,028,000
Purchased Water (GWP)	\$ -	\$ -	\$ 185,000	\$ 78,585	\$ 231,000	\$ 240,000	\$ 263,000	\$ 274,000	\$ 284,000
Power	\$ 672,908	\$ 682,044	\$ 715,000	\$ 634,200	\$ 695,000	\$ 716,000	\$ 737,000	\$ 759,000	\$ 778,000
Operating expenses	\$ 1,999,759	\$ 2,098,151	\$ 2,270,150	\$ 2,005,900	\$ 2,271,400	\$ 2,242,400	\$ 2,283,600	\$ 2,372,300	\$ 2,145,700
<b>Total O &amp; M Expense</b>	<b>\$ 8,466,591</b>	<b>\$ 8,153,096</b>	<b>\$ 8,228,050</b>	<b>\$ 7,938,285</b>	<b>\$ 8,213,400</b>	<b>\$ 8,309,400</b>	<b>\$ 8,454,600</b>	<b>\$ 8,612,300</b>	<b>\$ 8,420,700</b>
Debt Service (principal & interest)	\$ 612,400	\$ 612,454	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 615,000
Bond Covenant	2.00	1.43	4.92	4.08	2.52	4.19	5.93	7.97	9.98
<b>Total O &amp; M Expense + Debt Service</b>	<b>\$ 9,078,991</b>	<b>\$ 8,765,550</b>	<b>\$ 8,842,050</b>	<b>\$ 8,552,285</b>	<b>\$ 8,827,400</b>	<b>\$ 8,923,400</b>	<b>\$ 9,068,600</b>	<b>\$ 9,226,300</b>	<b>\$ 9,035,700</b>
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	\$ 692,520	\$ 311,726	\$ 3,805,450	\$ 2,588,940	\$ 2,081,050	\$ 2,578,075	\$ 3,060,700	\$ 4,276,700	\$ 5,524,300
<b>CAPITAL OUTLAY, LIABILITIES and CAPITAL PROJECTS</b>									
Capital Outlay & Equipment	\$ 171,671	\$ 140,870	\$ 65,000	\$ 22,000	\$ 110,000	\$ 150,000	\$ 156,000	\$ 140,000	\$ 130,000
Re-Payment to MTBE Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 500,000
Future Liability (OPEB)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Capital Improvements (pay-as-you-go)	\$ 1,365,786	\$ 1,981,000	\$ 3,215,000	\$ 3,147,606	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000
<b>Total - Capital Outlay, CIP, CIP Fund &amp; Future Liability</b>	<b>\$ 1,637,457</b>	<b>\$ 2,282,237</b>	<b>\$ 3,380,000</b>	<b>\$ 3,269,606</b>	<b>\$ 3,010,000</b>	<b>\$ 3,050,000</b>	<b>\$ 3,556,000</b>	<b>\$ 3,540,000</b>	<b>\$ 3,530,000</b>
<b>INCREASE (DECREASE) TO CASH</b>	<b>\$ (944,937)</b>	<b>\$ (1,970,512)</b>	<b>\$ 425,450</b>	<b>\$ (680,666)</b>	<b>\$ (928,950)</b>	<b>\$ (471,925)</b>	<b>\$ (495,300)</b>	<b>\$ 736,700</b>	<b>\$ 1,994,300</b>
FY begin available Water Reserves	\$ 6,457,073	\$ 5,512,136	\$ 4,057,756	\$ 4,057,756	\$ 3,377,090	\$ 2,448,141	\$ 1,976,216	\$ 1,480,917	\$ 2,217,617
FY End Water Reserves	\$ 5,512,136	\$ 4,057,756	\$ 4,483,206	\$ 3,377,090	\$ 2,448,141	\$ 1,976,216	\$ 1,480,917	\$ 2,217,617	\$ 4,211,917
<b>TOTAL TARGET WATER CASH RESERVES</b>	<b>\$ 3,524,000</b>	<b>\$ 3,322,000</b>	<b>\$ 3,643,000</b>	<b>\$ 3,161,000</b>	<b>\$ 3,533,000</b>	<b>\$ 3,766,000</b>	<b>\$ 4,028,000</b>	<b>\$ 4,338,000</b>	<b>\$ 4,533,000</b>
Above or (below) Target Reserves	\$ 1,988,136	\$ 735,756	\$ 840,206	\$ 216,090	\$ (1,084,859)	\$ (1,789,784)	\$ (2,547,083)	\$ (2,120,383)	\$ (321,083)
Effective date of water rates	7/1/13	7/1/14	7/1/15	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20
Projected Rate Increase for Service Charge	5.6%	5.8%	5.7%	5.7%	9.1%	9.2%	9.2%	9.7%	5.9%
Service rates (\$/month for 3/4" meter)	\$ 17.10	\$ 15.30	\$ 18.10	\$ 18.10	\$ 19.70	\$ 21.50	\$ 23.50	\$ 25.80	\$ 27.30
Projected Rate Increase for Quantity Charge	5.6%	5.8%	5.7%	5.7%	9.1%	9.2%	9.2%	9.7%	5.9%
Quantity Charge: (\$/kgal)	\$ 5.33	\$ 5.64	\$ 5.96	\$ 5.96	\$ 6.50	\$ 7.10	\$ 7.75	\$ 8.50	\$ 9.00

Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Budget FY 16/17	Forecast 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
<b>1. Water Supply</b>											
<b>A. Groundwater</b>											
<b>i. Well Rehabilitation</b>											
Well 11 Rehabilitation	\$ 14,954										
Well 7 Rehabilitation	\$ -										
Well 7 Rehabilitation		\$ 60,000									
Well 10 Rehabilitation			\$ 75,000								
Well 14 Rehabilitation			\$ 50,000								
Well 9 Rehabilitation				\$ 75,000							
Well 12 Rehabilitation				\$ 50,000							
Well 1 Rehabilitation					\$ 75,000						
Well 14 Rehabilitation					\$ 50,000						
<i>Well Rehabilitation (2 Wells per year)</i>						\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>ii. New Wells</b>											
Well 16 - Equipment & Pipeline - Design	\$ 435,000										
Well 16 - Construction (Grant - Matching Funds)	\$ 866,000										
Re-Activate Well 2 - Design	\$ 114,000										
Re-Activate Well 2 - Construction	\$ 312,500	\$ 720,000	\$ 680,000								
Well 18 (Sycamore House) - Design					\$ 120,000						
Well 18 (Sycamore House) - Construction					\$ 130,000	\$ 900,000					
Well 19 - Design								\$ 120,000			
Well 19 - Construction									\$ 1,100,000		
<b>iii. Studies</b>											
Update Water Well Replacement Study						\$ 100,000					
Pilot Hole Study							\$ 200,000				
<b>B. Imported Water</b>											
CVWD/LADWP Inter. at Ordunio (Grant - Matching Funds)	\$ 75,000										
Ocean View Chlorination St (Grant - Matching Funds)	\$ 215,200										
Ocean View - Equip. & Elect (Grant - Matching Funds)	\$ 133,500										
<b>C. Groundwater Basin Recharge</b>											
Storm Water Recharge Study (Grant - Matching Funds)	\$ 112,600										
Stormwater Recharge Project - Design		\$ 60,000									
Stormwater Recharge Project - Construction				\$ 475,000	\$ 375,000						
<b>D. Recycled Water System</b>											
<b>i. Recycled Water</b>											
<b>ii. Membrane Bioreactor Technology</b>											
<b>WS Total</b>	<b>\$ 2,278,754</b>	<b>\$ 840,000</b>	<b>\$ 805,000</b>	<b>\$ 600,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 1,050,000</b>	<b>\$ 350,000</b>	<b>\$ 270,000</b>	<b>\$ 1,250,000</b>	<b>\$ 150,000</b>
<b>2. Water Storage</b>											
<b>A. Reservoir Rehabilitation</b>											
<b>i. Roof/Vents Rehabilitation</b>											
Oak Creek #1 - Roof/Air Vents/Recoat		\$ 320,000									
Oak Creek #2 - Roof/Air Vents/Recoat			\$ 320,000								
Rosemont - Roof/Air Vents				\$ 300,000							
Markridge - Air Vents					\$ 250,000						
Goss Canyon #1 & #2 - Roof/Air Vents						\$ 400,000					



Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Budget FY 16/17	Forecast 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
<b>ii. Steel Reservoir Re-Coating</b>											
Ordunio Reservoir - Recoating - Design							\$ 45,000				
Ordunio Reservoir - Recoating - Construction								\$ 365,000			
Edmund #2 Reservoir - Recoating - Design								\$ 25,000			
Edmund #2 Reservoir - Recoating - Construction									\$ 350,000		
Cresta Hts #1 & 2 Reservoir - Recoating - Design									\$ 25,000		
Cresta Hts #1 & 2 Reservoir - Recoating - Construction										\$ 230,000	\$ 550,000
<b>iii. Concrete Reservoir Rehabilitation</b>											
Encinal Reservoir - Concrete Rehabilitation				\$ 100,000							
<b>iv. Corrosion Protection</b>											
Cathodic Protection Inspection & Replacement											
<b>v. Overflow &amp; Drain System Upgrade</b>											
<b>B. Reservoir Water Quality</b>											
<b>i. Water Mixing System</b>											
Reservoir Water Quality & Mixing System Study					\$ 75,000						
Water Quality Mixing System - Design					\$ 75,000						
Water Quality Mixing System - Construction								\$ 150,000			
<b>iv. Replace common inlet and outlet piping</b>											
<b>C. New Reservoir Water Storage</b>											
<b>WS Total</b>	\$ -	\$ 320,000	\$ 320,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 45,000	\$ 540,000	\$ 375,000	\$ 230,000	\$ 550,000
<b>3. Water Distribution</b>											
<b>A. Pipeline Replacement</b>											
2900 Block - Paraiso Way - 800 LF	\$ 1,796										
2600 Block - Harmony Place - 450 LF	\$ 126,000										
3900 Block - Park Place - 450 LF	\$ 126,000										
3900 Block - Glenwood - 650 LF	\$ 219,000										
2800 Block - Prospect & 4400 Block - Glenwood - 800 LF	\$ 115,700										
Lower Pickens Canyon Crossing & Slope - 600 LF	\$ 125,000	\$ 500,000									
Annual Pipeline Replacement - 2,000 LF		\$ 600,000									
Annual Pipeline Replacement - 3,000 LF			\$ 900,000								
Annual Pipeline Replacement - 4,000 LF				\$ 1,000,000							
Annual Pipeline Replacement - 4,000 LF					\$ 1,000,000						
Annual Pipeline Replacement - 4,000 LF						\$ 1,200,000	\$ 1,200,000	\$ 1,200,000	\$ 1,300,000	\$ 1,500,000	\$ 1,500,000
<b>B. New Pipelines</b>											
<b>C. Booster Pump System</b>											
<b>i. Annual Pump /Motor Replacement</b>											
1 - Booster	\$ -										
1 - Booster		\$ 50,000									
Annual Booster Replacement - 2 Boosters			\$ 50,000	\$ 70,000	\$ 75,000	\$ 75,000	\$ 80,000	\$ 85,000	\$ 90,000	\$ 95,000	\$ 95,000
<b>ii. Pump Station Upgrade</b>											
Upgrade - Paschall Booster Station inlet piping & valves		\$ 75,000	\$ 200,000	\$ 100,000							
New Booster Pump Station							\$ 220,000	\$ 125,000	\$ 200,000	\$ 125,000	\$ 400,000
<b>iii. VFD Pump Upgrade</b>											



Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Budget FY 16/17	Forecast 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
<b>iv. MCC Replacement</b>											
MCC upgrade at Oak Creek	\$ 99,356										
MCC upgrade at Paschall		\$ 75,000	\$ 245,000								
MCC upgrade at Goss Canyon				\$ 75,000	\$ 200,000						
MCC upgrade at Cresta Heights					\$ 75,000	\$ 200,000					
MCC upgrade at Ocean View						\$ 75,000	\$ 200,000				
MCC upgrade at Edmund #2							\$ 100,000	\$ 200,000			
MCC upgrade at Mills Plant								\$ 100,000	\$ 200,000		
MCC upgrade at Encinal									\$ 100,000	\$ 300,000	\$ 300,000
<b>D. Pressure Reducing Stations</b>											
Annual PRS Installation								\$ 225,000	\$ 250,000		\$ 200,000
<b>E. Miscellaneous Projects</b>											
<b>i. Water Surge Control</b>											
Rehabilitation Surge Tank at Glenwood	\$ -	\$ 65,000									
<b>ii. Street/Utility/ Meter Adjustment &amp; Upgrade</b>											
<b>iii. Misc.</b>											
<b>WD Total</b>	<b>\$ 812,852</b>	<b>\$ 1,365,000</b>	<b>\$ 1,395,000</b>	<b>\$ 1,245,000</b>	<b>\$ 1,350,000</b>	<b>\$ 1,550,000</b>	<b>\$ 1,800,000</b>	<b>\$ 1,935,000</b>	<b>\$ 2,140,000</b>	<b>\$ 2,020,000</b>	<b>\$ 2,495,000</b>
<b>4. Water Treatment</b>											
<b>A. Nitrate Removal</b>											
<b>i. Glenwood</b>											
Replace Ion Exchange Resin at Glenwood							\$ 400,000				
<b>ii. Mills</b>											
<b>B. Chlorine Disinfection</b>											
New Chlorination Station at Markridge Reservoir			\$ 50,000								
New Chlorine Analyzers at Various Sites				\$ 75,000	\$ 75,000		\$ 75,000	\$ 75,000	\$ 75,000		
<b>C. Convert to Chloramines</b>											
<b>D. New Federal and State Regulations</b>											
<b>E. Water Quality Studies</b>											
<b>F. MTBE Removal</b>											
<b>WT Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 475,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>
<b>5. Technology</b>											
<b>A. Automated Meter Information (AMI) System</b>											
Conversion of 3/4" & 1" meter											
Conversion of Large Meters & Fire Services											
Install & Integration of AMR & Fix Area Network									\$ 200,000		
<b>B. Supervisory Control and Data Acquisition (SCADA) System</b>											
SCADA RTU Replace - Equipment & Integration	\$ 56,000	\$ 180,000	\$ 205,000	\$ 430,000	\$ 350,000						
<b>C. Graphical Information System (GIS)</b>											
<b>TECH Total</b>	<b>\$ 56,000</b>	<b>\$ 200,000</b>	<b>\$ 205,000</b>	<b>\$ 430,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>
<b>6. Public Safety/Emergency Response</b>											
<b>A. Emergency Electrical Generators</b>											

Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Budget FY 16/17	Forecast 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
<b>B. Water Storage</b>											
<i>Seismic Sensors &amp; Valve Actuators - Duns/Pickens</i>	\$ -	\$ 75,000									
<i>Seismic Sensors &amp; Valve Actuators - Oak Creek</i>			\$ 75,000								
<i>Seismic Sensors &amp; Valve Actuators - Ordunio</i>				\$ 75,000							
<b>C. Security</b>											
<b>D. Miscellaneous</b>											
<b>SF/ER Total</b>	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>7. Facilities &amp; Planning</b>											
<b>A. Main Office</b>											
<b>B. Glenwood Plant</b>											
<b>C. Mills Plant</b>											
<b>D. Reservoir Site Improvements</b>											
<i>Roof Replacement at Old Encinal</i>					\$ 125,000						
<i>Pickens - Access Road Improvements</i>						\$ 175,000	\$ 130,000	\$ 250,000			
<i>Edmund #2 - Lower Access Road Improvements</i>						\$ 100,000		\$ 350,000			
<i>Edmund #2 - Upper Access Road Improvements</i>									\$ 350,000		
<i>Cresta Heights - Site Improvements</i>									\$ 90,000		
<i>Rosemont - Site Improvements</i>											\$ 125,000
<i>Shields - Access Road Improvements</i>											\$ 180,000
<b>5. Misc. Properties</b>											
<b>6. District Planning</b>											
<b>F &amp; P Total</b>	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 275,000	\$ 130,000	\$ 600,000	\$ 440,000	\$ -	\$ 305,000
<b>Capital Improvement Projects - Total</b>	\$ 3,147,606	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000

## Wastewater Budget Table WWB-1 Projected Wastewater Accounts - FY 16/17 - Preliminary

Wastewater Accounts	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>Residential Units - EDU<sup>(1)</sup></b>									
<b>Single Family</b>	5,271	5,273	5,275	5,277	5,279	5,281	5,283	5,285	5,287
<b>Multi-family</b>	2,546	2,548	2,550	2,550	2,552	2,554	2,556	2,558	2,560
<b>Total Residential Units - EDU<sup>(1)</sup></b>	7,817	7,821	7,825	7,827	7,831	7,835	7,839	7,843	7,847
<b>Total No. of Accounts - Commercial</b>	166	166	166	166	166	166	166	166	166
<b>Total No. of Accounts - School</b>	6	6	6	6	6	6	6	6	6
<b>Total EDUs</b>	7,989	7,993	7,997	7,999	8,003	8,007	8,011	8,015	8,019
<b>Projected No. of Account Annual Increase</b>	9	9	4	6	4	4	4	4	4
<b>Projected Percent of Account Annual Increase</b>	0.11%	0.11%	0.05%	0.08%	0.05%	0.05%	0.05%	0.05%	0.05%

Note:  
1. EDU = Equivalent Dwelling Units

## Wastewater Budget Table WWB-2 Revenues - FY 16/17 - Preliminary

	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>Wastewater User and Standby Charge Revenues</b>									
Single family dwelling unit	\$ 3,241,490	\$ 3,341,597	\$ 2,136,000	\$ 2,126,600	\$ 2,138,000	\$ 2,139,000	\$ 2,140,000	\$ 2,140,000	\$ 2,141,000
Multiple family dwelling			\$ 1,032,000	\$ 987,000	\$ 1,034,000	\$ 1,034,000	\$ 1,035,000	\$ 1,036,000	\$ 1,037,000
Total School charges			\$ 96,000	\$ 91,000	\$ 95,000	\$ 96,000	\$ 97,000	\$ 98,000	\$ 99,000
Total Commercial user charges			\$ 251,000	\$ 240,000	\$ 251,000	\$ 251,000	\$ 251,000	\$ 251,000	\$ 251,000
Sewer Service Discount			\$ (150,000)	\$ (100,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)
<b>Total user charge revenues</b>	<b>\$ 3,241,490</b>	<b>\$ 3,341,597</b>	<b>\$ 3,364,000</b>	<b>\$ 3,344,600</b>	<b>\$ 3,368,000</b>	<b>\$ 3,370,000</b>	<b>\$ 3,373,000</b>	<b>\$ 3,375,000</b>	<b>\$ 3,378,000</b>
<b>Permit/Connection Fees/Misc.</b>									
Sewer Permits	\$ 1,000	\$ 6,000	\$ 1,500	\$ 1,500	\$ 4,000	\$ 4,000	\$ 3,000	\$ 2,000	\$ 1,500
Sewer Connection Fee (CVWD)	\$ 29,815	\$ 31,523	\$ 15,000	\$ 15,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 15,000
Misc. Revenue	\$ -	\$ 27,577	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Rental Properties Income	\$ 7,191	\$ 7,400	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500
<b>Total Permit/Connection Fees/Misc.</b>	<b>\$ 38,006</b>	<b>\$ 72,500</b>	<b>\$ 29,000</b>	<b>\$ 29,000</b>	<b>\$ 36,500</b>	<b>\$ 36,500</b>	<b>\$ 35,500</b>	<b>\$ 29,500</b>	<b>\$ 29,000</b>
Interest Earned	\$ 207	\$ 103	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
<b>Total Revenue</b>	<b>\$ 3,279,703</b>	<b>\$ 3,414,200</b>	<b>\$ 3,393,500</b>	<b>\$ 3,374,100</b>	<b>\$ 3,405,000</b>	<b>\$ 3,407,000</b>	<b>\$ 3,409,000</b>	<b>\$ 3,405,000</b>	<b>\$ 3,407,500</b>

## Wastewater Budget Table WWB-3 City of Los Angeles O & M and Capital Expense - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget FY 2015-16</i>	<i>Projected FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>City of Los Angeles Projection O &amp; M</b>	\$ 453,778	\$ 346,710	\$ 667,760	\$ 450,888	\$ 696,140	\$ 696,140	\$ 696,140	\$ 696,140	\$ 696,140
<b>City of Los Angeles Projection Capital</b>	\$ 462,534	\$ 328,303	\$ 855,720	\$ 744,984	\$ 547,280	\$ 547,280	\$ 547,280	\$ 547,280	\$ 547,280
<b>City of Los Angeles Projection Total</b>	\$ 916,312	\$ 675,013	\$ 1,523,480	\$ 1,195,872	\$ 1,243,420	\$ 1,243,420	\$ 1,243,420	\$ 1,243,420	\$ 1,243,420
<i>City of Los Angeles Projections - March 2016</i>					<i>FY 2016-17</i>	<i>FY 2017-18</i>	<i>FY 2018-19</i>	<i>FY 2019-20</i>	<i>FY 2020-21</i>
<i>City of Los Angeles Projection O &amp; M</i>					\$ 671,100	\$ 683,800	\$ 695,900	\$ 708,500	\$ 721,400
<i>City of Los Angeles Projection Capital</i>					\$ 579,000	\$ 702,800	\$ 522,100	\$ 836,600	\$ 95,900
<i>City of Los Angeles Projection Total</i>					\$ 1,250,100	\$ 1,386,600	\$ 1,218,000	\$ 1,545,100	\$ 817,300

**Notes:**

1. Source for FY 2016-17 City of Los Angeles - Amalgamated System Sewer Service Charges (ASSSC) include both capital and O&M charges dated 3/9/16
2. Projected FY 2015/16 does not includes any City of LA Reconciliation Charge for FY 2014/15
3. Budget 16/17 - 20/21 - Based on Average Cost from City of LA from 2016-2021

## Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>TREATMENT AND DISPOSAL CHARGES</b>									
Los Angeles ASSSC	\$ 916,312	\$ 675,013	\$ 1,523,480	\$ 1,195,872	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000
<b>TOTAL TREATMENT AND DISPOSAL CHARGES</b>	<b>\$ 951,312</b>	<b>\$ 675,013</b>	<b>\$ 1,523,480</b>	<b>\$ 1,195,872</b>	<b>\$ 1,243,000</b>	<b>\$ 1,243,000</b>	<b>\$ 1,243,000</b>	<b>\$ 1,243,000</b>	<b>\$ 1,243,000</b>
<b>COMPENSATION AND BENEFITS</b>									
Director Fees	\$ 8,370	\$ 9,225	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
<b>Labor</b>									
Officer Salaries	\$ 144,628	\$ 150,010	\$ 164,500	\$ 159,600	\$ 168,000	\$ 171,000	\$ 172,000	\$ 174,000	\$ 176,000
Administrative Services Labor	\$ 239,655	\$ 261,192	\$ 285,000	\$ 283,800	\$ 279,000	\$ 287,000	\$ 291,000	\$ 296,000	\$ 299,000
Administrative Services Labor - OT	\$ 6,127	\$ 3,923	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 4,000
Engineering Department Labor	\$ 100,029	\$ 91,208	\$ 145,000	\$ 100,000	\$ 109,000	\$ 112,000	\$ 114,000	\$ 116,000	\$ 117,000
Engineering Department Labor-OT	\$ 721	\$ 876	\$ 660	\$ 1,200	\$ 1,000	\$ 1,000	\$ 1,000	\$ 2,000	\$ 2,000
Auto Allowance	\$ 8,700	\$ 9,075	\$ 10,000	\$ 10,200	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Plant - Office Labor	\$ 61,776	\$ 56,639	\$ 79,000	\$ 60,000	\$ 73,000	\$ 74,000	\$ 75,000	\$ 76,000	\$ 77,000
Plant - Office Labor-OT	\$ 155	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance Workers Labor	\$ 153,163	\$ 174,267	\$ 199,000	\$ 195,000	\$ 198,000	\$ 213,000	\$ 218,000	\$ 220,000	\$ 226,000
Maintenance Workers Labor-OT	\$ 27,434	\$ 18,157	\$ 22,000	\$ 24,000	\$ 21,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 23,000
Standby Pay	\$ 14,000	\$ 13,679	\$ 14,000	\$ 14,000	\$ 14,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
<b>Labor Total</b>	<b>\$ 764,758</b>	<b>\$ 788,369</b>	<b>\$ 925,160</b>	<b>\$ 849,800</b>	<b>\$ 885,000</b>	<b>\$ 917,000</b>	<b>\$ 930,000</b>	<b>\$ 943,000</b>	<b>\$ 958,000</b>
PERS Retirement (Total Employees)	\$ 176,593	\$ 185,480	\$ 194,000	\$ 185,000	\$ 208,000	\$ 228,000	\$ 245,000	\$ 262,000	\$ 270,000
Taxes - Payroll (Total Employees)	\$ 84,603	\$ 87,244	\$ 90,000	\$ 89,000	\$ 91,000	\$ 93,000	\$ 94,000	\$ 95,000	\$ 96,000
Sick and Vacation - Office	\$ 22,662	\$ 44,454	\$ 36,000	\$ 33,500	\$ 37,000	\$ 37,000	\$ 38,000	\$ 38,000	\$ 39,000
Health and Dental and Vision - Office	\$ 83,046	\$ 91,056	\$ 91,000	\$ 87,500	\$ 86,000	\$ 87,000	\$ 89,000	\$ 90,000	\$ 92,000
Retiree - Health Care Expense	\$ 57,564	\$ 49,757	\$ 52,000	\$ 48,000	\$ 49,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Life & Disability Insurance - Office and Plant	\$ 5,583	\$ 6,331	\$ 6,600	\$ 6,700	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000
Self Insurance	\$ 6,894	\$ 6,201	\$ 8,800	\$ 4,500	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000
Workers' Compensation - Office	\$ 9,420	\$ 8,815	\$ 10,500	\$ 13,000	\$ 14,000	\$ 12,000	\$ 10,000	\$ 8,000	\$ 8,000
Sick and Vacation - Plant	\$ 15,108	\$ 29,636	\$ 24,000	\$ 24,000	\$ 24,000	\$ 25,000	\$ 25,000	\$ 26,000	\$ 26,000
Health and Dental and Vision - Plant	\$ 88,014	\$ 93,666	\$ 101,000	\$ 95,000	\$ 93,000	\$ 95,000	\$ 97,000	\$ 98,000	\$ 100,000
Workers' Compensation - Plant	\$ 38,959	\$ 37,640	\$ 50,000	\$ 52,000	\$ 59,000	\$ 55,000	\$ 47,000	\$ 38,000	\$ 39,000
<b>Compensation Total</b>	<b>\$ 588,446</b>	<b>\$ 640,280</b>	<b>\$ 663,900</b>	<b>\$ 638,200</b>	<b>\$ 676,000</b>	<b>\$ 697,000</b>	<b>\$ 711,000</b>	<b>\$ 722,000</b>	<b>\$ 738,000</b>
<b>TOTAL COMPENSATION AND BENEFITS</b>	<b>\$ 1,353,204</b>	<b>\$ 1,428,649</b>	<b>\$ 1,589,060</b>	<b>\$ 1,488,000</b>	<b>\$ 1,561,000</b>	<b>\$ 1,614,000</b>	<b>\$ 1,641,000</b>	<b>\$ 1,665,000</b>	<b>\$ 1,696,000</b>
<b>PLANT OPERATING EXPENSES</b>									
Taxes - Property	\$ 4,010	\$ 4,101	\$ 4,200	\$ 4,200	\$ 4,500	\$ 4,500	\$ 4,800	\$ 5,000	\$ 5,000
Glenwood - Plant Maintenance	\$ 3,445	\$ 3,174	\$ 8,500	\$ 8,500	\$ 8,800	\$ 8,800	\$ 8,800	\$ 8,800	\$ 8,800
Landscaping Expense	\$ 1,572	\$ 1,820	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,700	\$ 2,800	\$ 3,000	\$ 3,000
Office Supplies & Misc Expenses - Plant	\$ 9,044	\$ 9,353	\$ 6,000	\$ 6,000	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000
Glenwood - Utilities	\$ 3,558	\$ 3,575	\$ 4,660	\$ 3,200	\$ 5,200	\$ 5,800	\$ 6,000	\$ 6,500	\$ 6,500



# Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Training - Plant	\$ 1,987	\$ 3,222	\$ 2,300	\$ 2,100	\$ 2,500	\$ 2,700	\$ 2,800	\$ 3,000	\$ 3,000
Education Reimbursement/Cert. - WW	\$ 622	\$ 252	\$ 1,000	\$ 750	\$ 750	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Glenwood - Safety and Security System	\$ 8,020	\$ 5,820	\$ 5,800	\$ 5,800	\$ 5,800	\$ 6,000	\$ 6,300	\$ 6,500	\$ 6,500
Glenwood - Uniforms	\$ 3,233	\$ 3,288	\$ 2,830	\$ 3,400	\$ 3,300	\$ 3,400	\$ 3,500	\$ 3,600	\$ 3,700
Tools and Equipment Maintenance	\$ 18,098	\$ 17,375	\$ 20,000	\$ 15,000	\$ 20,000	\$ 21,000	\$ 23,000	\$ 24,000	\$ 24,000
Power - Lift Station	\$ 691	\$ 723	\$ 750	\$ 750	\$ 750	\$ 800	\$ 800	\$ 800	\$ 800
Telemetry & Signal System	\$ 2,641	\$ 2,680	\$ 4,500	\$ 2,000	\$ 5,000	\$ 5,500	\$ 5,800	\$ 6,100	\$ 6,100
SCADA Hardware	\$ -	\$ -	\$ 2,000	\$ 1,500	\$ 3,000	\$ 3,500	\$ 3,900	\$ 4,100	\$ 4,100
SCADA Software	\$ -	\$ -	\$ 4,000	\$ 2,000	\$ 4,400	\$ 4,700	\$ 5,000	\$ 5,400	\$ 5,400
SCADA Phone Lines & Radio	\$ -	\$ -	\$ 1,160	\$ 900	\$ 1,200	\$ 1,300	\$ 1,300	\$ 1,300	\$ 1,300
<b>TOTAL PLANT OPERATING EXPENSES</b>	<b>\$ 72,282</b>	<b>\$ 72,878</b>	<b>\$ 70,200</b>	<b>\$ 58,600</b>	<b>\$ 74,700</b>	<b>\$ 79,200</b>	<b>\$ 83,800</b>	<b>\$ 87,100</b>	<b>\$ 87,200</b>
<b>COLLECTION SYSTEM EXPENSE</b>									
Pipelines - Maintenance	\$ 22,552	\$ 4,746	\$ 5,000	\$ 4,000	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000	\$ 8,000
Auto/Truck - Maintenance	\$ 46,232	\$ 34,676	\$ 16,600	\$ 18,700	\$ 17,500	\$ 18,000	\$ 19,000	\$ 19,500	\$ 19,500
Auto/Truck - Gas	\$ 8,026	\$ 7,003	\$ 5,800	\$ 5,700	\$ 6,800	\$ 7,000	\$ 7,000	\$ 7,200	\$ 7,200
Auto/Truck - Diesel	\$ 5,681	\$ 6,189	\$ 5,800	\$ 5,200	\$ 6,000	\$ 6,300	\$ 6,500	\$ 6,500	\$ 6,500
Sewer Flow Monitoring Expense	\$ 14,555	\$ 12,860	\$ 25,000	\$ 20,000	\$ 20,000	\$ 20,500	\$ 21,000	\$ 26,500	\$ 26,500
Sewer Camera Van Inspection	\$ 3,248	\$ 3,091	\$ 3,500	\$ 2,000	\$ 4,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Sewer Interceptor - Maintenance	\$ 1,243	\$ 1,360	\$ 4,000	\$ 3,500	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000
Sewer Lift Station - Maintenance	\$ 4,338	\$ 4,275	\$ 6,000	\$ 5,250	\$ 5,250	\$ 5,750	\$ 6,250	\$ 6,750	\$ 7,250
<b>TOTAL COLLECTION SYSTEM EXPENSE</b>	<b>\$ 105,875</b>	<b>\$ 74,200</b>	<b>\$ 71,700</b>	<b>\$ 64,350</b>	<b>\$ 72,550</b>	<b>\$ 74,550</b>	<b>\$ 77,750</b>	<b>\$ 85,450</b>	<b>\$ 85,950</b>
<b>GENERAL AND ADMINISTRATIVE EXPENSES</b>									
General Insurance (General Liability, Property, Fidelity)	\$ 46,256	\$ 44,131	\$ 53,000	\$ 50,000	\$ 50,000	\$ 53,000	\$ 56,000	\$ 59,000	\$ 62,000
Accounting - Audit	\$ 15,079	\$ 11,515	\$ 13,000	\$ 13,000	\$ 13,000	\$ 14,500	\$ 15,000	\$ 15,500	\$ 15,500
Legal Consulting Fees	\$ 15,546	\$ 16,163	\$ 15,000	\$ 14,000	\$ 15,500	\$ 16,600	\$ 17,000	\$ 17,500	\$ 17,500
Administrative Consultants	\$ 9,519	\$ 27,706	\$ 120,000	\$ 85,000	\$ 44,000	\$ 42,500	\$ 44,000	\$ 44,000	\$ 44,000
Election Expense	\$ 36,751	\$ -	\$ 40,000	\$ -	\$ -	\$ 45,000	\$ -	\$ 50,000	\$ -
Office Maintenance	\$ 3,378	\$ 3,217	\$ 4,000	\$ 3,750	\$ 4,000	\$ 4,000	\$ 4,400	\$ 4,700	\$ 4,700
Landscape Maintenance - Office	\$ 1,710	\$ 2,210	\$ 2,500	\$ 2,250	\$ 2,700	\$ 2,800	\$ 3,000	\$ 3,100	\$ 3,100
Office Supplies & Misc Expenses	\$ 5,442	\$ 5,008	\$ 1,800	\$ 1,800	\$ 5,500	\$ 6,100	\$ 6,000	\$ 2,000	\$ 2,000
Computers Hardware	\$ 7,312	\$ 6,837	\$ 9,000	\$ 6,500	\$ 9,300	\$ 10,000	\$ 10,500	\$ 10,500	\$ 10,500
Computer Software	\$ 6,022	\$ 9,322				Combined with computer software, maint, licnc.			
Computer Software, Maintenance, License	\$ 5,850	\$ 6,241	\$ 19,600	\$ 15,000	\$ 15,500	\$ 15,800	\$ 16,100	\$ 16,400	\$ 16,700
Utilities - Office	\$ 5,522	\$ 6,294	\$ 6,500	\$ 8,600	\$ 7,100	\$ 7,000	\$ 7,000	\$ 7,200	\$ 7,200
Enterprise Voice Communications - land line phones	\$ 8,158	\$ 8,488	\$ 4,200	\$ 12,700	\$ 13,000	\$ 13,300	\$ 15,500	\$ 16,000	\$ 16,500
Data Communications: Fiber Lines/Internet	\$ -	\$ -	\$ 16,300	\$ 15,600	\$ 15,600	\$ 16,000	\$ 16,500	\$ 17,000	\$ 17,500
Wireless Voice & Data Communications - cell	\$ 5,019	\$ 1,890	\$ 9,860	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,500	\$ 5,500
Printing, Postage, Stationery, Copier Maintenance	\$ 41,406	\$ 43,425	\$ 36,000	\$ 32,000	\$ 37,500	\$ 38,000	\$ 38,500	\$ 39,500	\$ 39,500
Uncollectible Accounts	\$ 3,327	\$ 1,975	\$ 1,000	\$ 1,400	\$ 1,400	\$ 1,500	\$ 1,300	\$ 1,300	\$ 1,300
Engineering Department	\$ 3,504	\$ 3,500	\$ 3,300	\$ 3,300	\$ 3,600	\$ 4,000	\$ 4,300	\$ 4,700	\$ 4,700

## Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget</i> <i>FY 2015-16</i>	<i>Projected</i> <i>FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Training - Office	\$ 1,172	\$ 938	\$ 3,000	\$ 1,500	\$ 1,700	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Conferences and Seminars - Office	\$ 3,166	\$ 2,298	\$ 3,400	\$ 3,000	\$ 3,000	\$ 3,300	\$ 3,500	\$ 3,500	\$ 3,500
Board of Directors - Conferences and Seminars	\$ 1,072	\$ 755	\$ 500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500
Misc Administration - Office	\$ 1,085	\$ 1,758	\$ 5,000	\$ 2,200	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Board of Directors - Misc Administration	\$ 444	\$ 590	\$ 650	\$ 400	\$ 650	\$ 660	\$ 660	\$ 660	\$ 660
Membership Renewals/Subscriptions	\$ 7,591	\$ 7,376	\$ 8,800	\$ 8,000	\$ 8,000	\$ 8,200	\$ 8,300	\$ 8,400	\$ 8,500
Bank Charges	\$ 11,092	\$ 13,347	\$ 15,500	\$ 16,500	\$ 16,000	\$ 16,500	\$ 17,000	\$ 17,500	\$ 17,500
Rental Properties Expense	\$ 1,612	\$ 580	\$ 1,050	\$ 1,050	\$ 1,150	\$ 1,150	\$ 1,150	\$ 1,150	\$ 1,150
<b>GENERAL AND ADMINISTRATIVE EXPENSES</b>	<b>\$ 247,035</b>	<b>\$ 225,562</b>	<b>\$ 392,960</b>	<b>\$ 304,050</b>	<b>\$ 277,200</b>	<b>\$ 330,910</b>	<b>\$ 296,710</b>	<b>\$ 351,110</b>	<b>\$ 305,510</b>
<b>TOTAL WASTEWATER SYSTEM EXPENSE (W/O LA Treatment Costs)</b>	<b>\$ 1,778,396</b>	<b>\$ 1,801,288</b>	<b>\$ 2,123,920</b>	<b>\$ 1,915,000</b>	<b>\$ 1,985,450</b>	<b>\$ 2,098,660</b>	<b>\$ 2,099,260</b>	<b>\$ 2,188,660</b>	<b>\$ 2,174,660</b>
<b>TOTAL WASTEWATER SYSTEM EXPENSE (W/O LA Treatment &amp; Labor Costs)</b>	<b>\$ 425,192</b>	<b>\$ 372,639</b>	<b>\$ 534,860</b>	<b>\$ 427,000</b>	<b>\$ 424,450</b>	<b>\$ 484,660</b>	<b>\$ 458,260</b>	<b>\$ 523,660</b>	<b>\$ 478,660</b>



## Wastewater Budget Table WWB - 5 Reserve Targets - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget</i> <i>FY 2015-16</i>	<i>Projected</i> <i>FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Rate stabilization (a)	\$ 492,000	\$ 506,100	\$ 509,100	\$ 506,100	\$ 510,750	\$ 511,050	\$ 511,350	\$ 510,750	\$ 511,200
Emergency reserves (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
Depreciation (reserves for replacements)	\$ 800,000	\$ 850,000	\$ 750,000	\$ 800,000	\$ 850,000	\$ 900,000	\$ 950,000	\$ 1,000,000	\$ 1,050,000
Working cash (c)	\$ 300,000	\$ 300,000	\$ 350,000	\$ 320,000	\$ 330,000	\$ 350,000	\$ 350,000	\$ 360,000	\$ 360,000
<b>Total Target WW Reserves</b>	<b>\$ 2,342,000</b>	<b>\$ 2,406,100</b>	<b>\$ 2,359,100</b>	<b>\$ 2,376,100</b>	<b>\$ 2,440,750</b>	<b>\$ 2,511,050</b>	<b>\$ 2,561,350</b>	<b>\$ 2,620,750</b>	<b>\$ 2,671,200</b>

**Note:**

- Cash reserves target is per 6/30/03 policy in Annual Financial Statement
- a. Rate stabilization reserve target equals 15 percent of sewer sales
  - b. The emergency reserve is set at \$750,000.
  - c. The working cash level is set at two months of O&M expenses.

## Wastewater Budget Table WWB-6 CIP & Capital Outlay - FY 16/17 - Preliminary

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>1. Collections Systems</b>									
1. Collections Systems	\$ 13,011	\$ 8,112	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>2. Interceptor System</b>									
2. Interceptor System	\$ -	\$ 1,109	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
<b>3. Lift Station</b>									
3. Lift Station	\$ 6,071		\$ 75,000	\$ 75,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
<b>4. Technology (Sewer Projects Only)</b>									
4. Technology (Sewer Projects Only)	\$ -		\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
<b>5. Public Safety/Emergency Response</b>									
5. Public Safety/Emergency Response	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>6. Facilities &amp; Planning</b>									
6. Facilities & Planning	\$ -		\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
<b>7. Misc. Sewer Projects</b>									
7. Misc. Sewer Projects	\$ -		\$ 8,000	\$ 8,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
<b>Total CIP Projects</b>	<b>\$ 19,082</b>	<b>\$ 9,221</b>	<b>\$ 185,000</b>	<b>\$ 185,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>
<b>Capital Outlay</b>									
<b>Software (Spring Brook) - Fixed Assets</b>									
Software (Spring Brook) - Fixed Assets	\$ -				\$ 3,750				
Spring Brook Software - Payroll Module						\$ 6,250			
Spring Brook Software - Work Order Module							\$ 8,750		
Spring Brook Software - Project Management Module								\$ 5,000	
Spring Brook Software - Extend Budget Module									\$ 5,000
Upgrade Computer Hardware & Security	\$ -		\$ 8,000	\$ 8,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 6,600	\$ 6,600
Main Office - Upgrades	\$ -		\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Misc	\$ -	\$ 8,593	\$ 1,000	\$ 1,000	\$ 3,250	\$ 2,750	\$ 2,250	\$ 2,400	\$ 2,400
<b>Equipment Outlay</b>									
<b>Sewer Cover Transmitter</b>									
Sewer Cover Transmitter	\$ -		\$ 5,000	\$ -					
<b>Sewer Vector Truck</b>									
Sewer Vector Truck					\$ 300,000				
<b>Annual Vehicle Replacement (1 vehicle)</b>									
Annual Vehicle Replacement (1 vehicle)		\$ 24,208	\$ 75,000	\$ 75,000	\$ 45,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
<b>Total CO Projects</b>	<b>\$ -</b>	<b>\$ 32,801</b>	<b>\$ 92,000</b>	<b>\$ 87,000</b>	<b>\$ 365,000</b>	<b>\$ 62,000</b>	<b>\$ 64,000</b>	<b>\$ 57,000</b>	<b>\$ 57,000</b>
<b>Total CIP &amp; CO Projects</b>	<b>\$ 19,082</b>	<b>\$ 42,022</b>	<b>\$ 277,000</b>	<b>\$ 272,000</b>	<b>\$ 475,000</b>	<b>\$ 172,000</b>	<b>\$ 174,000</b>	<b>\$ 167,000</b>	<b>\$ 167,000</b>

## Wastewater Budget Table WWB - 7 Sources and Applications of Funds - FY 16/17 - Preliminary

Budget	Recorded FY 2013-14	Recorded FY 2014-15	<i>Budget FY 2015-16</i>	<i>Projected FY 2015-16</i>	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
<b>REVENUE</b>									
Projected user charges	\$ 3,241,490	\$ 3,341,597	\$ 3,364,000	\$ 3,344,600	\$ 3,368,000	\$ 3,370,000	\$ 3,373,000	\$ 3,375,000	\$ 3,378,000
Total permit/connection fee	\$ 38,006	\$ 72,500	\$ 29,000	\$ 29,000	\$ 36,500	\$ 36,500	\$ 35,500	\$ 29,500	\$ 29,000
Interest earnings	\$ 207	\$ 103	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
<b>TOTAL REVENUE</b>	<b>\$ 3,280,000</b>	<b>\$ 3,414,000</b>	<b>\$ 3,394,000</b>	<b>\$ 3,374,000</b>	<b>\$ 3,405,000</b>	<b>\$ 3,407,000</b>	<b>\$ 3,409,000</b>	<b>\$ 3,405,000</b>	<b>\$ 3,408,000</b>
<b>EXPENSE</b>									
City of LA Sewer Service Charges	\$ 951,312	\$ 675,013	\$ 1,523,480	\$ 1,195,872	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000
Sewer Labor & Benefits	\$ 1,353,204	\$ 1,428,649	\$ 1,589,060	\$ 1,488,000	\$ 1,561,000	\$ 1,614,000	\$ 1,641,000	\$ 1,665,000	\$ 1,696,000
Sewer O & M Expense	\$ 425,192	\$ 372,639	\$ 534,860	\$ 427,000	\$ 424,000	\$ 485,000	\$ 458,000	\$ 524,000	\$ 479,000
Sewer CIP & CO Expense	\$ 19,082	\$ 42,022	\$ 277,000	\$ 272,000	\$ 475,000	\$ 172,000	\$ 174,000	\$ 167,000	\$ 167,000
Transfer to Water Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL EXPENSE</b>	<b>\$ 2,748,790</b>	<b>\$ 2,518,323</b>	<b>\$ 3,924,400</b>	<b>\$ 3,382,872</b>	<b>\$ 3,703,000</b>	<b>\$ 3,514,000</b>	<b>\$ 3,516,000</b>	<b>\$ 3,599,000</b>	<b>\$ 3,585,000</b>
Additions (reductions) to cash	\$ 531,210	\$ 895,677	\$ (530,400)	\$ (8,872)	\$ (298,000)	\$ (107,000)	\$ (107,000)	\$ (194,000)	\$ (177,000)
Effective date of Wastewater rates	7/1/13	7/1/14	7/1/15	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20
Rate increase	8.4%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
User Charge (monthly EDUs)	\$ 32.25	\$ 33.75	\$ 33.75	\$ 33.75	\$ 33.75	\$ 33.75	\$ 33.75	\$ 33.75	\$ 33.75
Commercial - Monthly Cost	\$ 2.00	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10
Commercial - \$/Unit	\$ 5.30	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.60
Secondary School - Quantity Charge per 100 ADA	\$ 154.90	\$ 162.10	\$ 162.10	\$ 162.10	\$ 162.10	\$ 162.10	\$ 162.10	\$ 162.10	\$ 162.10
Primary School - Quantity Charge per 100 ADA	\$ 77.40	\$ 81.00	\$ 81.00	\$ 81.00	\$ 81.00	\$ 81.00	\$ 81.00	\$ 81.00	\$ 81.00
<b>Customer Revenue EDUs</b>									
FY beginning Wastewater Reserves	\$ 3,973,320	\$ 3,555,860	\$ 4,823,229	\$ 4,823,229	\$ 4,814,357	\$ 4,516,357	\$ 4,409,357	\$ 4,302,357	\$ 4,108,357
Additions (reductions)	\$ 531,210	\$ 895,677	\$ (530,400)	\$ (8,872)	\$ (298,000)	\$ (107,000)	\$ (107,000)	\$ (194,000)	\$ (177,000)
FY ending Wastewater Reserves	\$ 4,504,530	\$ 4,823,229	\$ 4,292,829	\$ 4,814,357	\$ 4,516,357	\$ 4,409,357	\$ 4,302,357	\$ 4,108,357	\$ 3,931,357
<b>TOTAL TARGET WASTERWATER CASH RESERVES</b>	<b>\$ 2,342,000</b>	<b>\$ 2,152,251</b>	<b>\$ 2,359,100</b>	<b>\$ 2,376,100</b>	<b>\$ 2,440,750</b>	<b>\$ 2,511,050</b>	<b>\$ 2,561,350</b>	<b>\$ 2,620,750</b>	<b>\$ 2,671,200</b>
Above (below) target	\$ 2,162,530	\$ 2,299,286	\$ 1,933,729	\$ 2,438,257	\$ 2,075,607	\$ 1,898,307	\$ 1,741,007	\$ 1,487,607	\$ 1,260,157

# CRESCENTA VALLEY WATER DISTRICT

## BOARD OF DIRECTORS - STAFF REPORT

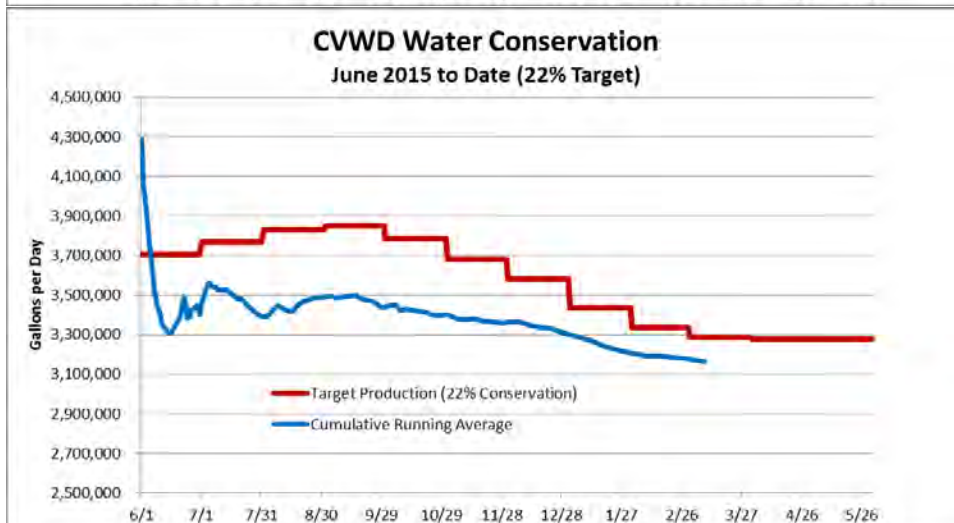
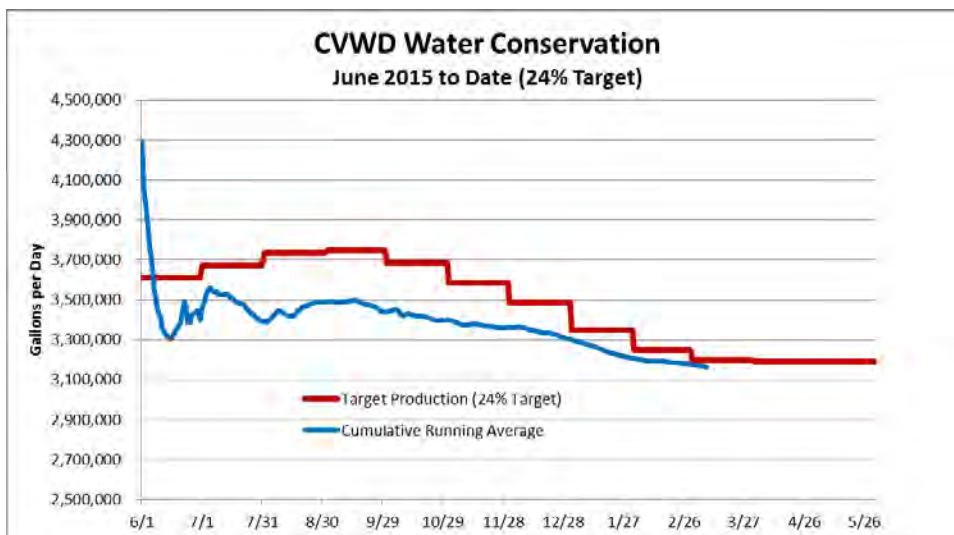
March 15, 2016  
Staff Report

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

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### Water Conservation

On March 10<sup>th</sup> the State Water Resources Control Board released revised water conservation targets with climate adjustments to account for evapotranspiration rates which vary by region. The conservation goal for water purveyors in climate Zone 9 has been reduced by 2%. The District is in climate Zone 9 and the conservation goal has been reduced from 24% to 22%. The following charts indicate the District's conservation relative to the original and revised targets.



**Staffing**

This month there are seven employment anniversaries: Wendy Holloway – 34 years; Raymond Dodge and Cory Whitman – 23 years; Pam Leddy – 14 years; Christy Scott – 13 years; Mark Hass – 10 years and Tom Love – 1 year.

As of February 29<sup>st</sup>, the district has worked 630 days without a lost time accident.

# CRESCENTA VALLEY WATER DISTRICT

## BOARD OF DIRECTORS - STAFF REPORT

March 15, 2016  
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**

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### 1. Water Production Report

- March 1 – 11 – Water Production – 68%/ 32% split – 90.3 MG for the time period.  
Average use – 11.8% less than 2015 and 18.7% less than 5-yr average  
SWRCB Conservation – 20.7% less than March 2013 – October 2013 period

### 2. Rainfall Update

- 2.81” for March 2016
- Rainfall total for Rainfall Year 2015/16 – 11.15”

### 3. Report on Engineering

#### • CIP Projects

- Ocean View Chloramination Project
  - Building – Under Construction
- Pipeline Projects
  - Construction on 3900 Block of Park Pl. to start March 14, 2016
- Well 16 – Pipeline & Building
  - Building & Facilities - Final Project Close Out
  - Put into Service on March 3, 2016
  - Dedication Ceremony – March 18, 2016
- Pickens Canyon Slope Repair - Complete

#### • Water and Wastewater Cost of Service Study

- Discussion at Board Meeting

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

- 50% technical memorandum by March 18, 2016

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

- No Report

#### • ULARA

- No Report

#### • La Canada Flintridge – Water Committee

- No Report

#### • Water Meter Replacement Program

- FY 15/16 water meter replacement program – Replaced 570 meters to date

### 4. Report on Administrative and Field Operations

#### • Wells - Status

- Well production capacity averaging 2.05 MGD for March with Well 16 in service
- Well 16 pumping at 250 gpm and will slowly ramp up to 400 gpm

5. **Field Maintenance & Operations – Feb 29 – March 11, 2016**

▪ **Reservoir Site Assessment**

- No Report

▪ **Water Lateral Leaks & Repairs**

- 5443 Pinecone                      ▪ 2905 Stevens
- 2845 Adams                        ▪ 2900 Franklin

▪ **Fire Hydrant Repair**

- No Report

▪ **Developer Job**

- No Report

▪ **Water Main Leaks**

- No Report

▪ **Reservoir Maintenance**

- No Report

▪ **Sewer Maintenance**

- 4100 Block of Ramsdell                      ▪ , 4000-4100 Blocks of Pennsylvania
- 3000 - 3100 Blocks of Montrose        ▪ 2800 - 3100 Blocks of Prospect
- 2600 - 2700 Blocks of Montrose        ▪ 2600 – 2800 Blocks of Mayfield
- 2600 – 2800 Blocks of Fairway        ▪ 2800 Block of Alta Terrace

# CRESCENTA VALLEY WATER DISTRICT

## WATER PRODUCTION REPORT

March 1 - March 11, 2016

<b>Well Production:</b>	17,274,266	Gals		
<b>GWP Production:</b>	2,435,759	Gals		
<b>Gravity Production:</b>	435,360	Gals	% GW	68%
<b>Purchased Water:</b>				
FMWD:	7,691,125	Gals		
City of Glendale:	1,606,808	Gals	% Import	32%
<b>TOTAL:</b>	29,443,318	Gals		
	90.35	ac-ft		
Glenwood Nitrate Water Reclamation Plant:* 8,173,970 *Included in Well Production				

### WATER DEMAND COMPARISON

	Average Daily Usage (gals)	Current Period Change	Average Daily Usage (gals)	Percentage Change
March 1, 2016 - March 11, 2016	2,676,665			
March 1, 2015 - March 11, 2015	3,034,318	-11.8%		
5-yr Average - March 2011 - 2015	3,290,812	-18.7%		
SWRCB CONSERVATION REGULATIONS				
March 1, 2016 through Oct 31, 2016			2,676,665	
BASELINE CONSERVATION				
March 1, 2013 through Oct 31, 2013			3,377,029	-20.7%

RAINFALL: March 1 - March 11, 2016

2.81"

Season-To-Date:

11.15"

2015/16 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	Well Production (ac-ft)	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	315	380	October	143	January	0	January	108
August	344	360	November	149	February	0	February	100
September	296	345	December	145	March	28	March	85
October	301	315	January	140	April		April	
November	289	265	February	158	May		May	
December	281	265	March	150	June		June	
January	248	265	April		July		July	
February	258	265	May		August		August	
March	263	310	June		September		September	
April		335	July		October		October	
May		365	August		November		November	
June		375	September		December		December	
Total to Date	2,595	2,770	Total to Date	885	Total to Date	28	Total to Date	293
Projected	3,717	3,845	Water Rights	3,294			Tier 2	2,154
% of Projected	67.5%	72.0%	% of Rights	27%			% of Allocation	14%
Remaining	1,250	1,075	Remaining	2,409			Remaining	1,861

**NOTE:**

1) Blue Numbers = Estimated Water Production

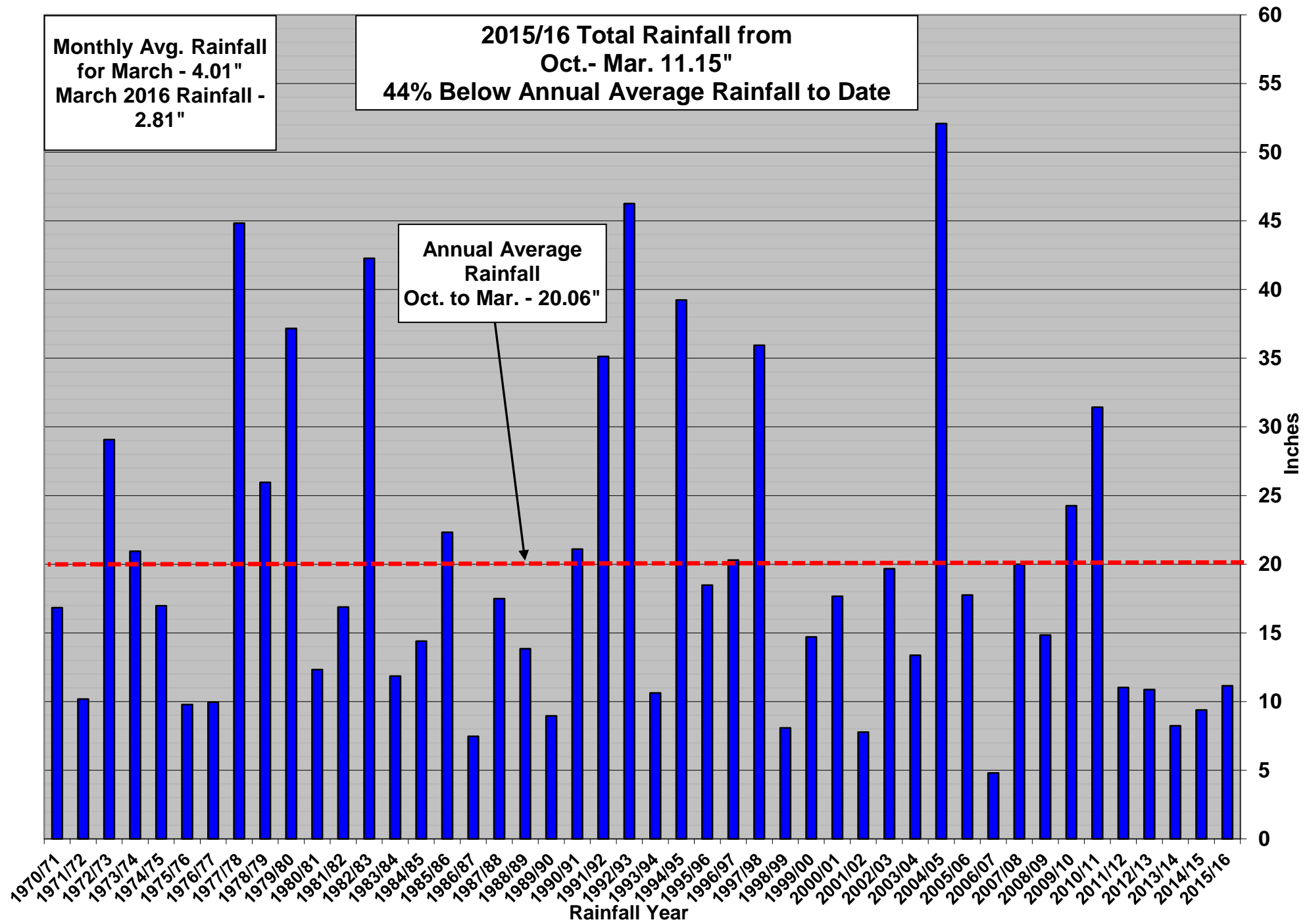


# Monthly Rainfall - 1970/71 - 2015/16 (Oct.- Marc.)

Monthly Avg. Rainfall for March - 4.01"  
 March 2016 Rainfall - 2.81"

2015/16 Total Rainfall from Oct.- Mar. 11.15"  
 44% Below Annual Average Rainfall to Date

Annual Average Rainfall Oct. to Mar. - 20.06"



# CRESCENTA VALLEY WATER DISTRICT

## FINANCE COMMITTEE MINUTES

DATE: March 8, 2016  
TO: Finance Committee Meeting Minutes  
FROM: Ron Mitchell, Secretary-Treasurer

Following is a summary of the Finance Committee Meeting held at 1:00 p.m. on April 10, 2015, at the CVWD main office, and was attended by the following:

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Director Kerry Erickson - Committee Chairperson	CVWD Board of Directors
Director Judy Tejada - Committee Member	CVWD Board of Directors
Ron Mitchell	CVWD
David Gould	CVWD
Thomas Love	CVWD

**Discussion on 2016/17 Fiscal Year Water & Wastewater Budgets** – Mr. Mitchell provided the Committee with the preliminary 2016/17 Cash Flow Models for both Water and Wastewater that included the expected revenues, expenses, capital improvements and reserve requirements for their consideration. Mr. Love provided the Committee with a memorandum that highlighted year-to-year changes and key revenue and expense drivers for these budgets. He said that revenues for FY 2015/16 are projecting to be approximately \$810,000 below budget and water sales for FY 2016/17 are projected to be 133 acre feet less than budgeted this year. O & M expenses are projected to be approximately \$290,000 under budget for the current fiscal year and be at the same level for FY 2016/17 as budgeted for 2015/16.

Mr. Love explained that staff is changing our method of reporting CIP expenditures and related grant revenues in FY 2016/17. In prior year's budgets staff reported the net of CIP expenditures less grant revenues which was not indicative of the annual amounts of the actual expenditures for capital improvements. The preliminary budget separates grant revenues as a source of revenue and shows the total CIP expenditure. Grant revenue for FY 2015/16 will be \$700,000 less than budgeted due to the delay in receiving the funds from the State of California. Grant revenues for FY 2016/17 are projected to be \$1,150,000 and include the \$700,000 carryover from the current FY. The Committee felt it was important that footnotes be placed on the Cash Flow Model to explain this change in reporting.

On the wastewater side, revenues were projected to be approximately \$20,000 less than budgeted primarily due to the reduction in water use by commercial and institutional accounts as they are billed based upon water usage and not a flat rate like single family or multi-family accounts. Wastewater O & M expenses are showing to be approximately \$541,000 under budget primarily due to less expenditure to Los Angeles for treatment/disposal and capital costs than projected. Wastewater expenses are less in FY 2016/17 than the current fiscal year and CIP expenses show an increase to purchase a new Vector truck. The Committee asked several questions related to various O & M expense categories.

### **Discussion of Water and Wastewater Rates**

Staff and the Committee then discussed the rate adjustments that would be necessary to support the proposed budgets. Table WB-9 of the Cash Flow Model shows that water rates would need to be increased by more than 9% per year for the next four years to bring reserves back into line with our reserve policy. The Committee was not comfortable with these increases and

alternatives were discussed that included reduction in CIP expenditures or the use of MTBE reserves to offset some of the CIP program. It was the recommendation of the Committee that the Cash Flow Models be sent to each Director in advance of the Board meeting scheduled for March 15, 2016 and asked that this be placed on the agenda for full Board discussion.

On the Wastewater rates, staff is showing that we will not need to raise rates over the next four years as long as the cost projections from the City of Los Angeles (which have not been received as of the date of this meeting) do not increase dramatically from previous projections.

The meeting adjourned at 3:50 p.m.