CRESCENTA VALLEY WATER DISTRICT

2700 Foothill Boulevard
La Crescenta, California

Agenda for the
Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on April 1, 2014 at 7:00 p.m.

Posted: March 28, 2014 at 3:00 p.m.

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

Call to Order and Determination of Quorum

Pledge of Allegiance

Adoption of Agenda

Public Comments

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

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Meeting on March 18, 2014.

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. **Fiscal Year 2014/15 Water and Wastewater Budgets** – Discussion of fiscal year 2014/15 draft water and wastewater budgets and review of preliminary Proposition 218 notifications.
2. **Resolution No. 715** – Consideration and motion to adopt Resolution No. 715 authorizing the termination of the Valic 457 Deferred Compensation plan.

Information Items

Written Communications to District

Staff Reports

Secretary-Treasurer

1. Cash and Investments –April 1, 2014.

General Manager

1. Administrative Report.

District Engineer

1. Water Production Report –March 2014.
2. Report on Administrative and Field Operations.

Program Specialist

1. Report of Water Conservation issues.

Information Technology

1. Report of Information Technology issues.

Attorney

1. Report on legal and related matters relevant to the District.

Reports of Committees

Engineering Committee

1. Consideration of engineering issues affecting the District.

Finance Committee

1. Consideration of financial issues affecting the District.

Employee Relations Committee

1. Consideration of employee relations issues affecting the District.

Policy Committee

1. Consideration of policy issues affecting the District.

Community Relations/Water Conservation Committee

1. Consideration of community/water conservation issues affecting the District.

Emergency Planning Committee

1. Consideration of emergency planning issues affecting the District.

Director's Oral Reports

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

Closed Session

- **Conference with Labor Negotiators (§54957.6)**
  - District negotiators: Dennis Erdman and Ron Mitchell
- **Conference with Legal Counsel**
  - Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: One case.

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
March 18, 2014

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of March 4, 2014, an Adjourned Regular Meeting was held on March 18, 2014, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President James D. Bodnar presiding.

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

Directors:	**James D. Bodnar** **Kerry D. Erickson** **Kenneth R. Putnam** **Kathleen M. Ross** **Judy L. Tejeda**
Attorney:	**Thomas S. Bunn**
General Manager:	**Dennis Erdman**
Secretary-Treasurer:	**Ron L. Mitchell**
District Engineer:	**David S. Gould**
Others Present:	**Mark Hass, IT Manager** **Christy Scott, Program Specialist** **Wendy Holloway, Customer Accounts Supervisor** **Larry Byers, Superintendent**

PLEDGE OF ALLEGIANCE
President Bodnar opened the meeting by asking Director Ross to lead the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA
It was moved by Director Tejeda, seconded by Director Ross and carried by a 5-0 vote that the Agenda for the Adjourned Regular Meeting of March 18, 2014 be adopted as presented.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Mr. Erdman reported he attended the FMWD Board meeting on March 17, 2014 and congratulated Mr. Gould for successfully convincing FMWD to write a letter endorsing the emergency water supply inter connection project and for adding to their capital project budget a pump at the P1 Station. Also, Mr. Erdman said that he will be in attendance when they are setting the emergency generators at the Berkshire Station on March 19, 2014 and at the Rose Bowl Station on March 21, 2014.

CONSENT CALENDAR

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 5-0 vote to approve the Minutes of the Regular Board Meeting held on March 4, 2014.

It was moved by Director Tejeda, seconded by Director Ross and carried by a 5-0 vote to Ratify the disbursements for February 2014 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before February 28, 2014 the same having been approved by the General Manager, Dennis A. Erdman, and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of Six Hundred Eight Thousand Nine Hundred Fifteen Dollars and Sixty Six cents. (608,915.66), which is composed of the individual items set forth herein.

Consideration for attendance at the Water Education Foundation Executive Briefing and retirement celebration for Rita Sudman has been withdrawn with a unanimous consent.

ACTION CALENDAR

Discussion on the Development of District Policy Concerning Cell Towers on District Property – Mr. Erdman reported that the Policy Committee met on this subject for discussion with public input and the Committee requested this be brought to the full Board for more discussion. Director Ross stated that when the committee met they discussed a minimum distance of 500 feet from any residential home for any cell phone tower located on District property. The Committee also said that a policy would include a notification practice to be initiated at the beginning of any future proposal, a large sign would be posted at the proposed site, and include a direct mailing to any resident within 1,000 feet of a proposed cell phone tower. Director Ross said she informed the members of the public in attendance that the Committee only makes a recommendation for the policy. Director Bodnar opened the discussion for public comment. After numerous customers spoke, Director Bodnar closed the public comment.

Following discussion:

> **It was moved by Director Putnam, seconded by Director Tejeda and defeated by a 2-3 vote (Ross, Erickson, Bodnar) to adopt a policy no cell phone towers would be permitted on District property.**

Following further discussion:

> **It was moved by Director Tejeda that the District does not go thru the process again of considering cell towers at the two (2) sites previously considered. Motion died for lack of seconded.**
>
> **It was moved by Director Putnam, seconded by Director Tejeda and carried a 5-0 vote to not allow any usage by outside vendors at the Oak Creek Reservoir site except for District purposes only.**

14-Inch Water Main Replacement on the 3800 Block of Honolulu – Project E-937 – Mr. Gould reported that CVWD has an existing 12-inch and 14-inch water main within the 3800 block of Honolulu Avenue that feeds the Ordunio Reservoir. The 12-inch main was scheduled for replacement in FY 15/16 due to it being undersized, the age of pipe and two (2) major leaks in 2011. The City of Glendale Department of Public Works has awarded a contract for a pavement resurfacing project on the 3800 block of Honolulu that is scheduled to begin in June or July 2014, and completed by the end of 2014. The City of Glendale has a moratorium where no utility work is allowed within the street for at least three (3) years or until the end of 2017. Staff discussed this issue with the Engineering Committee about replacing the 12-inch water main before the street is resurfaced. Staff discussed it could meet with Brkich Construction on a possible change order to the existing contract such that this work could follow after the project on Paraiso Way is completed. The cost proposed by Brkich Construction is 25% less than staff's estimate of $75,000. It is staff's recommendation to award the contract for a change order to Brkich Construction at a cost of $56,050, establish a contingency amount of $5,600 (10% of contract) to cover the cost of unforeseen or additional work, and to find said project exempt from the provisions of the California Environmental Quality Act (CEQA).

Following discussion:

> **It was moved by Director Ross, seconded by Director Bodnar and carried a 5-0 vote to award the contract to Brkich Construction at a cost of $56,050 with a contingency amount of $5,600 (10% of contract) and to find said project exempt from provisions of the California Environmental Quality Act (CEQA).**

Discussion of Preliminary Water and Wastewater Budget FY 2014/15 – Mr. Mitchell presented the FY 2014/15 Budget with discussion on the Water Cash Flow Model and Wastewater Cash Flow Model and the corresponding tables. There was discussion regarding Revenues, Labor and Benefits, Purchased Water, Operations and Maintenance, Capital Outlay & Equipment, and Capital Improvements. Staff answered several questions regarding specific items in the O & M budget and explained the process of how each line item is reviewed and adjusted for increases or decreases in funding if necessary. Staff reviewed Table WB-9 for Water operations and WWB-7 for Wastewater operations that show the effects of revenues, expenses, capital expenditures, and debt payments on the District's reserves and indicates what rate increases may be necessary to maintain target reserve levels. Staff also presented the tiered rate structure and the possibility of changing the set points. The Board has requested more information on this issue.

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL

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

Investment Portfolio Summary – as of March 18, 2014:

Cash Accounts	$245,339

Great Pacific Securities	$39,772
Bond Debt Service Fund Acct	$324,774
Local Agency Investment Fund	$1,741,806
Federal Farm Credit (78)	$480,830
Federal Farm Credit (81)	$941,390
Federal Farm Credit (83)	$496,675
Federal Farm Credit (86)	$931,430
Federal Farm Credit (87)	$494,955
US Treasury (92)	$931,950
US Treasury (93)	$931,950
Federal Farm Credit (94)	$915,180
Federal Farm Credit (95)	$560,526

MTBE Contingency Funds

Local Agency Investment Fund	$2,666,961
Great Pacific Securities	$2,745,002
Federal Farm Credit (M-3)	
Federal Farm Credit (M-4)	$963,490
US Treasury (M-5)	$496,055
Federal Farm Credit (M-6)	
US Treasury (M-7)	
US Treasury (M-8)	
US Treasury (NEW)	$999,520
Federal Farm Credit (NEW)	$938,660

Fund Balances at December 31, 2013

Water	$14,735,945.95
Wastewater	$4,470,006.25
Total Funds	$19,205,952.20

Mr. Mitchell also reported that he received the invoice from the County of Los Angeles for the District's share of costs related to the 2013 elections in the amount of $73,501.27. This was budgeted for $80,000. Also we received the 2012/13 reconciliation from the City of Los Angeles for wastewater services and got a credit in the amount of $42,416 which was applied to the March installment payment.

GENERAL MANAGER – Mr. Erdman reported since weather conditions have not changed, California is facing serious water shortage throughout the state. At the meeting of the Quad Cities Conservation Group, the consensus of opinion was that drought measures locally should remain at the voluntary stage. When they meet again in a month, if there hasn't been any significant increase in the rainfall, the committee will discuss whether to recommend moving to a higher status in the drought alert program. As staff prepares the 2014/15 budget, options for increasing the District's conservation and drought management efforts will be presented. The upgrade and service to the wells is continuing and should be completed by summer. However, groundwater levels continue to decline and the wells become less productive. Mr. Erdman said that Mr. Gould has made several presentations recently to FMWD and the member agencies on the District's project to have an emergency connection with LADWP and be able to feed some of the water east through the FMWD systems in the event of an emergency. FMWD and the managers of the agencies endorse this project. The District meter reader Steve Dulay is returning to work after an extended medical leave. As of this date, we have worked 124 days without a lost time accident.

DISTRICT ENGINEER

Water Production – For the period of March 1 through March 16, 2014, water production averaged 51.4 million gallons per day, which is **8.1% less** than the daily average production of the same period in 2013. This is **5.6% less** from the daily average production of the previous five years.

Rainfall: March 2014	**2.33"**
Season-to-date:	**8.16"**

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

Rainfall Update – 2.33" for March 2014. Rainfall total for 2013-14 is at 8.16".

Report on Engineering:

CIP Projects – Pipeline – 3000 & 3100 Block of Paraiso Way – 3100 Block of Paraiso Way – 100% complete. 4900 Block Cloud – 100% complete. 3000 Block of Paraiso Way – 90% complete. 4900 Block Ramsdell – 75% complete. Pipeline – 3800 Block of Honolulu Avenue – Design is 100% complete. Ordered 14 inch steel pipe will arrive April 14, 2014. Start on April 15, 2014. Well Rehabilitation, E-934 – Well 12 – Chemical Treatment on March 24, 2014. Well 9 back in service. Well 5 – Pull pump after Well 12 is back in service. Ocean View Chlorination Project – Developing New Bid Proposals. FMWD Board Meeting – March 17. 2014. Edmund #1 Roof – Pre-construction meeting – March 20, 2014. Oak Creek MCC – 50% submittal – under review.

Crescenta Valley County Park -Local Groundwater Assistance Grant – AMEC – design for runoff flow gauge installation. Working with LA County on water quality sampling.

Glendale – Rockhaven Well – Working with GWP on negotiations. Preparing documents for grant funding.

FMWD Issues – No report.

ULARA – No report.

Water Meter Replacement Program: FY 13/14 Water Meter Replacement Program – replaced 675 meters to date.

Report on Administrative and Field Operations:

Well Status – Well production capacity – March 1 – March 16; - 2.4 MGD. Well 12 out of service since September 9, 2013.

Booster Pumps – No Report.

Glenwood Nitrate Plant – No Report.

Water Quality – No Report.

Mills Plant – No Report.

Reservoirs/Booster Stations – Edmund #1 out of service until roof replacement completed in May 2014.

MTBE Update – MTBE levels in Wells below 1ppb

Field Maintenance and Operations update for March 1 – March 16, 2014

Water lateral leaks & repairs

- 2443 Los Olivos
- 3029 Alabama
- 2439 Fairmount
- 2515 Fairmount

Water Main Leaks – No Report

Fire Hydrant Replacement – No Report.

Developer Projects – No Report

Valve Replacement – Valve Replacement on Ramsdell next to CVHS set for March 17 – 21, 2014.

General Maintenance – Continuing with Valve Exercising Program.

SCADA/Telemetry System – No Report.

Sewer Maintenance – Sewer Overflow – 2900 Block Timberlake.

PROGRAM SPECIALIST – No Report

INFORMATION TECHNOLOGY – No Report

ATTORNEY – No Report

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 Bodnar reported that the Committee met on March 14, 2014, and was discussed with Action item 3

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

Policy Committee – Director Ross reported that Committee met on March 4, 2014 and was discussed with Action item 1.

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

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

DIRECTORS ORAL REPORTS

Director Ross reported that she has completed her ethics training. Also when the customer came to the boardroom door at a late hour tonight, she didn't feel safe.

Director Erickson reported on an article in the Glendale Newspress about the City of Glendale seeking grants and other funding. Also the community was asking him about the drought and what the District is doing about it. He is going to speak to the CV Weekly and see if we can get a monthly column regarding conservation, etc. He also reported that the previous weekend he did some freeway clean up. CVWD staff was on his street doing sewer cleaning and he had a tour of his personal sewer line with the camera truck, and he is taking a CERT class at JPL.

Director Bodnar reported that he did freeway clean up on March 8th. He attended an ASCE Technical presentation on water management at Los Angeles Department of Water & Power. He attended the Finance Committee meeting on March 14, 2014. He gave a handout from MWD on water conservation qualifying products for rebates, and he will be at Mountain Avenue School on April 4th in the 5th grade class talking about where the water comes from.

Director Tejeda reported the she received a Certification of Completion for the ACWA/JPIA HR Class. She will be attending the ACWA/JPIA meeting on April 3, 2014 in Roseville.

Director Putnam reported that we need some tree cutting at Ordunio Reservoir, and we need to put money in the budget to keep District sites looking well kept.

CLOSED SESSION

No reportable Action.

ADJOURNMENT

There being no other business to come before the Board at 11:20 p.m., it was moved by Director Ross, seconded by Director Tejeda and carried that the meeting be adjourned to April 1, 2014 at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1
April 1, 2014

To: Honorable President and Members of the Board of Directors

From: Ron L. Mitchell – Secretary-Treasurer

Subject: **Fiscal Year 2014/15 Preliminary Water and Wastewater Budgets and Proposition 218 Notification for Proposed Water and Wastewater Rates and Charges**

AGENDA ITEM:

Fiscal Year 2014/15 Preliminary Water and Wastewater Budgets and Proposition 218 Notification for Proposed Water and Wastewater Rates and Charges – Discussion of updated tables for Water and Wastewater Cash Flow Models and preliminary Proposition 218 Notification letters for proposed increase to water and wastewater rates and charges.

BACKGROUND:

At the March 18, 2014 meeting, the Board and staff discussed at length the various tables that make up the Water and Wastewater Cash Flow Models. During this discussion, staff informed the Board that the figures for Compensation & Benefits would be changing due to the CPI figures coming in at approximately 1% lower than projected. This change reduces costs for salaries and overtime and also affects PERS costs, worker's compensation costs, payroll tax costs, and other related costs.

Staff also provided a spreadsheet showing a list of projects, such as recycled water, solar power, etc., which staff has been asked to explore to see if those projects may be feasible for the District to put into place. Mr. Gould provided estimated costs for administrative consultants that would be needed to provide the information requested that totaling $140,000 and were included in the O & M budget. The Board recommended that the budget amount be reduced to $120,000 and this change has been made in the model. The Board also requested that staff re-examine all expenses to see if there were any other reductions that could be found.

Staff has reviewed the O & M expenses and has trimmed the budgets for Postage & Printing expenses and the Phones & Communications budgets. This combined with the reductions for Administrative Consultants and Compensation & Benefits results in a reduction of $49,500 on the Water Cash Flow Model and $13,800 on the Wastewater Cash Flow Model.

Included in this packet are new Table 4 Summary of O & M Expenses for both Water and Wastewater operations and new Table 9 and Table 7 Sources and Applications of Funds for the each operation. The changes from the model provided at the March 18th meeting have been highlighted in yellow for your convenience. There were no changes to any of the other tables in each model and therefore they are not included in this packet.

Proposition 218

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

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

1. Staff prepares a Proposition 218 notice describing the proposed rate increase and the method for protesting. The notice is provided to the Board of Directors for discussion.
2. The Board of Directors approves the notice and directs staff to send the Proposition 218 notice to all property owners within the District's service area.
3. A 45-day Public Notice review period commences for the public to submit a written protest.
4. Any written protests are summarized and submitted to the Board of Directors after the 45-day notice period is completed.

5. A public hearing will be held to determine if a majority of property owners within the District's service area have submitted written protests. If the submissions are less than one half of the majority of property owners, then the Board of Directors can precede with a public hearing on the proposed rate increase.

Assembly Bill 3030

In September 2008, Assembly Bill 3030 (AB3030) was approved, which states *"An agency providing water, sewer, or refuse collection service may adopt a schedule of fees or charges authorizing automatic adjustments that pass through increases in wholesale charges for water or adjustments for inflation"*.

CVWD imposed a FMWD pass-through commodity cost as part of the water rates in January 2010. This allows CVWD to make adjustments in the FMWD commodity rate as the costs of MWD/FMWD increase over the next five (5) years.

DISCUSSION:

Staff is presenting a preliminary Proposition 218 notification flyer for review and discussion by the Board of Directors for both water and wastewater. The notices focus on the Board's direction related to the Pay-As-You-Go Capital Improvement Project (CIP) financing program. The content of the notice also provides the required information to the public for protesting the proposed rate increase.

The water commodity and FMWD rates are based on the budget presented by staff, which has a $2M per year CIP program and an overall 5.8% water rate increase for FY 2014/15. Under the provisions of Proposition 218, water rates that are published in the notice can be adjusted lower, but not higher. The Board has not made a final decision on changing the set points for the tier rates.

The set points for the tier rates as shown on the notice are based on a 5.8% per unit increase for Tiers 1 – 4, while the FMWD rate has been increased from $1.90 to $2.03 per unit. Reminder that 1 unit = 1,000 gallons.

The Meter Service charge was increased by 5.8% for all meter sizes and the Private Fire Protection Service charge was also increased by 5.8% for all meter sizes.

The irrigation usage charge tier set points remained the same and the commodity was adjusted to match Tiers 2 and 4.

Staff is proposing a two year Proposition 218 notification for the wastewater rates, based on the budget presented by staff, which has an overall 4.7% rate increase for FY 2014/15 and an overall 4.4% rate increase for FY 2015/16. Under the provisions of Proposition 218, wastewater rates that are published in the notice can be adjusted lower, but not higher.

The draft Proposition 218 notices for both water and wastewater operations are included in this packet.

SCHEDULE:

Staff will take any comments from the Board and incorporate the comments into a final Proposition 218 notice for the next Board meeting on April 15, 2014. After final approval, staff will prepare the notice to send to property owners by April 25, 2014. This will start the 45-day review and comment period which will end on June 9, 2014. The comments will be tabulated and presented to the Board at the Public Hearing on June 10, 2014.

Prepared by:

David Gould, P.E.
District Engineer

Submitted by:

Ron L. Mitchell
Secretary-Treasurer

Enclosures:

Preliminary Proposition 218 Notification

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Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 14/15 - Preliminary

Description	Recorded FY 2011-12	Recorded FY 2012-13	Budget FY 2013-14	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
EXPENSE									
COMPENSATION AND BENEFITS									
Director Fees	$ 8,109	$ 8,280	$ 8,100	$ 7,500	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 8,000
Labor									
Officer Salaries	$ 136,435	$ 139,364	$ 147,800	$ 144,000	$ 153,000	$ 155,000	$ 159,000	$ 163,000	$ 166,000
Administrative Services Labor	$ 291,545	$ 290,254	$ 353,600	$ 295,000	$ 358,000	$ 367,000	$ 383,000	$ 394,000	$ 405,000
Administrative Services Labor - OT	$ 6,367	$ 7,491	$ 5,700	$ 5,000	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 8,000
Engineering Department Labor	$ 336,565	$ 272,986	$ 410,700	$ 345,000	$ 427,000	$ 441,000	$ 455,000	$ 469,000	$ 483,000
Engineering Department Labor-OT	$ 952	$ 2,537	$ 750	$ 3,500	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000
Plant - Office Labor	$ 164,335	$ 197,971	$ 233,900	$ 210,000	$ 235,000	$ 239,000	$ 244,000	$ 250,000	$ 256,000
Plant - Office Labor-OT	$ 815	$ 224	$ -	$ 300	$ -	$ -	$ -	$ -	$ -
System Operators Labor	$ 265,118	$ 288,492	$ 320,900	$ 290,000	$ 322,000	$ 328,000	$ 335,000	$ 343,000	$ 351,000
System Operators Labor-OT	$ 24,041	$ 16,124	$ 17,900	$ 21,000	$ 21,000	$ 22,000	$ 22,000	$ 23,000	$ 24,000
Utility Workers Labor	$ 313,024	$ 332,102	$ 388,100	$ 305,000	$ 385,000	$ 397,000	$ 409,000	$ 421,000	$ 433,000
Utility Workers Labor-OT	$ 22,455	$ 19,166	$ 18,100	$ 28,000	$ 29,000	$ 30,000	$ 30,000	$ 31,000	$ 32,000
Standby Pay	$ 42,979	$ 44,831	$ 46,000	$ 45,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000
Auto Allowance	$ 10,200	$ 8,825	$ 8,700	$ 8,700	$ 9,000	$ 9,000	$ 9,000	$ 9,000	$ 9,000
Labor Transfer to Capital	$ (104,378)	$ (118,267)	$ (150,000)	$ (85,000)	$ (150,000)	$ (150,000)	$ (150,000)	$ (150,000)	$ (150,000)
Labor Total	$ 1,622,940	$ 1,628,647	$ 1,810,250	$ 1,623,000	$ 1,854,000	$ 1,903,000	$ 1,961,000	$ 2,018,000	$ 2,074,000
Sick and Vacation - Office	$ 124,521	$ 131,286	$ 129,400	$ 135,000	$ 132,000	$ 135,000	$ 140,000	$ 144,000	$ 148,000
Sick and Vacation - Plant	$ 83,014	$ 87,524	$ 86,300	$ 90,000	$ 88,000	$ 90,000	$ 93,000	$ 96,000	$ 99,000
Taxes - Payroll (Total Employees)	$ 124,260	$ 119,407	$ 130,900	$ 117,000	$ 133,000	$ 136,000	$ 140,000	$ 143,000	$ 147,000
PERS Retirement (Total Employees)	$ 240,621	$ 257,323	$ 272,800	$ 260,000	$ 290,000	$ 312,000	$ 332,000	$ 349,000	$ 368,000
Interest Expense - CalPERS Pension Side Fund	$ 35,083	$ 19,182	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Workers' Compensation - Office	$ 18,816	$ 18,996	$ 16,500	$ 16,000	$ 14,000	$ 15,000	$ 15,000	$ 13,000	$ 13,000
Workers' Compensation - Plant	$ 85,132	$ 83,596	$ 74,500	$ 72,000	$ 62,000	$ 63,000	$ 66,000	$ 58,000	$ 60,000
Health and Dental and Vision - Office	$ 113,530	$ 106,352	$ 123,200	$ 123,000	$ 131,000	$ 133,000	$ 136,000	$ 138,000	$ 141,000
Life & Disability Insurance - Office & Plant	$ 7,223	$ 7,995	$ 8,200	$ 8,200	$ 9,000	$ 9,000	$ 9,000	$ 9,000	$ 9,000
Health and Dental and Vision - Plant	$ 137,853	$ 148,810	$ 140,100	$ 140,000	$ 143,000	$ 146,000	$ 148,000	$ 151,000	$ 153,000
Life & Disability Insurance - Plant	$ 2,540	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Self Insurance	$ 15,309	$ 11,497	$ 13,100	$ 13,100	$ 13,000	$ 13,000	$ 13,000	$ 13,000	$ 13,000
Retiree - Health Care Expense	$ 74,905	$ 78,557	$ 80,700	$ 87,000	$ 92,000	$ 94,000	$ 96,000	$ 98,000	$ 100,000
Compensation Total	$ 1,062,807	$ 1,070,527	$ 1,075,700	$ 1,061,300	$ 1,107,000	$ 1,146,000	$ 1,188,000	$ 1,212,000	$ 1,251,000
TOTAL COMPENSATION AND BENEFITS	$ 2,685,747	$ 2,699,174	$ 2,885,950	$ 2,684,300	$ 2,961,000	$ 3,049,000	$ 3,149,000	$ 3,230,000	$ 3,325,000
PLANT - WATER OPERATION									
Taxes - Property	$ 16,940	$ 11,877	$ 11,500	$ 11,500	$ 12,000	$ 12,500	$ 13,000	$ 13,500	$ 14,000
Glenwood - Plant Maintenance	$ 11,287	$ 11,487	$ 11,000	$ 11,000	$ 25,000	$ 26,000	$ 27,000	$ 28,000	$ 29,000
Glenwood - Landscape	$ 4,446	$ 4,703	$ 6,000	$ 5,000	$ 7,000	$ 7,500	$ 7,500	$ 8,000	$ 8,500
Office Supplies & Misc Expenses - Plant	$ -	$ -	$ 6,000	$ 8,000	$ 6,000	$ 6,500	$ 7,000	$ 7,000	$ 7,000
Glenwood - Utilities	$ 9,268	$ 12,660	$ 12,000	$ 14,300	$ 15,000	$ 15,000	$ 16,000	$ 16,000	$ 17,000
Glenwood - Phone	$ 29,954	$ 23,986	$ 29,000	$ 31,600	$ 32,000	$ 33,000	$ 34,000	$ 35,000	$ 36,000
Glenwood - Cell Phones	$ 7,538	$ 7,274	$ 8,500	$ 8,000	$ 9,000	$ 9,500	$ 10,000	$ 10,500	$ 11,500
Training - Plant	$ 5,476	$ 11,839	$ 7,000	$ 8,000	$ 8,000	$ 8,500	$ 9,000	$ 9,500	$ 10,000
Education Reimbursement/Certifications	$ 4,016	$ -	$ 4,000	$ 4,000	$ 4,000	$ 4,000	$ 4,000	$ 4,000	$ 4,000
Glenwood - Safety and Security System	$ 14,800	$ 29,820	$ 15,000	$ 17,000	$ 18,000	$ 19,000	$ 19,500	$ 20,000	$ 20,500
Glenwood - Uniforms	$ 8,484	$ 7,704	$ 10,000	$ 8,500	$ 9,000	$ 9,500	$ 10,000	$ 10,500	$ 11,000
Permit & Assessment Fees	$ 1,165	$ 1,174	$ 2,000	$ 2,000	$ 2,000	$ 2,500	$ 2,500	$ 2,500	$ 3,000
Tools and Equipment Maintenance	$ 15,907	$ 24,662	$ 15,000	$ 15,000	$ 22,000	$ 23,500	$ 25,000	$ 26,000	$ 27,000
Nitrate Plant Maintenance	$ 96,620	$ 60,678	$ 80,000	$ 60,000	$ 75,000	$ 80,000	$ 85,000	$ 90,000	$ 95,000
SCADA - Telemetering & Signal	$ 8,582	$ 17,979	$ 8,500	$ 8,500	$ 12,000	$ 13,500	$ 15,000	$ 16,500	$ 17,500
SCADA Hardware	$ 4,485	$ 6,864	$ 6,000	$ 4,000	$ 6,000	$ 7,500	$ 9,000	$ 10,500	$ 11,500

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 14/15 - Preliminary

Description	Recorded FY 2011-12	Recorded FY 2012-13	Budget FY 2013-14	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
SCADA Software	$ -	$ 6,499	$ 14,000	$ 6,000	$ 11,000	$ 12,000	$ 13,000	$ 14,000	$ 15,000
SCADA - Communications	$ 21,783	$ 1,298	$ 4,000	$ 3,000	$ 5,000	$ 6,000	$ 7,000	$ 8,000	$ 9,000
Lab & Sampling	$ 52,735	$ 67,473	$ 92,000	$ 70,000	$ 70,000	$ 72,000	$ 74,000	$ 76,000	$ 78,000
Lab & Sampling - MTBE see TBL WB-8A	$ 89,208	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Chlorine & Treatment	$ 58,445	$ 55,488	$ 55,000	$ 65,000	$ 70,000	$ 75,000	$ 77,000	$ 79,000	$ 81,000
TOTAL PLANT WATER OPERATION	$ 461,139	$ 363,465	$ 396,500	$ 360,400	$ 418,000	$ 443,000	$ 464,500	$ 484,500	$ 505,500
DISTRIBUTION SYSTEM EXPENSES									
Backflow Expense	$ 547	$ 927	$ 1,000	$ 500	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,500
Pipelines - Maintenance	$ 38,832	$ 34,235	$ 50,000	$ 40,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000
Pipelines - Paving	$ 20,760	$ 17,518	$ 27,000	$ 10,000	$ 15,000	$ 16,000	$ 17,000	$ 18,000	$ 19,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	$ 10,771	$ 4,656	$ 26,000	$ 5,500	$ 25,000	$ 27,000	$ 29,000	$ 31,000	$ 33,000
Pipelines - Leak Detection/Leak Repair	$ 290	$ 4,309	$ 25,000	$ 5,000	$ 25,000	$ 27,000	$ 29,000	$ 30,000	$ 31,000
Pipelines - Trench Plate Rentals	$ 1,443	$ 1,592	$ 1,000	$ 500	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000
Pipelines - Water Sampling Stations	$ -	$ -	$ -	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500
Pipelines - Valves	$ 661	$ 2,932	$ 20,000	$ 10,000	$ 15,000	$ 16,000	$ 17,000	$ 18,000	$ 19,000
Reservoir - Maintenance	$ 46,353	$ 46,021	$ 94,000	$ 75,000	$ 75,000	$ 78,000	$ 81,000	$ 84,000	$ 87,000
Reservoir - Landscape	$ 42,678	$ 17,598	$ 24,000	$ 22,000	$ 25,000	$ 26,000	$ 27,000	$ 28,000	$ 29,000
Meters - Maintenance	$ 101,446	$ 283,329	$ 255,000	$ 290,000	$ 275,000	$ 275,000	$ 215,000	$ 215,000	$ 216,000
Meters - Paving	$ 197,718	$ 92,116	$ 190,000	$ 262,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 255,000
Meters - Repair/Replacement/Upgrade	$ 23,753	$ 13,921	$ 32,000	$ 15,000	$ 20,000	$ 22,000	$ 23,000	$ 24,000	$ 25,000
Meters - Lateral Leaks	$ 40,777	$ 58,347	$ 40,000	$ 80,000	$ 150,000	$ 100,000	$ 75,000	$ 60,000	$ 61,000
Meters - Trench Plate Rentals	$ 609	$ -	$ 1,000	$ 6,000	$ 2,000	$ 2,000	$ 1,000	$ 1,000	$ 1,000
Meters - D-jobs	$ -	$ -	$ -	$ 7,000	$ 7,500	$ 8,000	$ 8,000	$ 8,000	$ 9,000
Wells - Maintenance	$ 25,273	$ 19,656	$ 28,000	$ 23,000	$ 30,000	$ 32,000	$ 33,000	$ 34,000	$ 37,000
Wells - Landscape	$ 2,593	$ 13,510	$ 13,000	$ 8,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
Wells - Rent	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300
Booster Pump - Maintenance	$ 46,807	$ 42,838	$ 60,000	$ 55,000	$ 65,000	$ 75,000	$ 80,000	$ 83,000	$ 85,000
Emergency Generators	$ 6,766	$ 10,947	$ 7,500	$ 12,000	$ 13,000	$ 13,000	$ 13,500	$ 14,000	$ 14,500
Auto/Truck - Maintenance	$ 53,919	$ 46,487	$ 30,000	$ 45,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 51,000
Auto/Truck - Gas	$ 24,650	$ 22,849	$ 26,000	$ 25,000	$ 27,000	$ 27,500	$ 28,000	$ 28,500	$ 29,000
Auto/Truck - Diesel	$ 18,571	$ 15,664	$ 16,000	$ 17,000	$ 17,500	$ 18,000	$ 18,500	$ 19,000	$ 19,500
TOTAL DISTRIBUTION SYSTEM EXPENSES	$ 705,517	$ 749,752	$ 966,800	$ 1,014,300	$ 1,149,800	$ 1,125,300	$ 1,057,800	$ 1,058,300	$ 1,084,300
GENERAL AND ADMINISTRATIVE EXPENSES									
General Liability Insurance	$ 33,975	$ 44,394	$ 50,000	$ 46,000	$ 53,000	$ 56,000	$ 59,000	$ 62,000	$ 65,000
Accounting - Audit	$ 16,677	$ 7,428	$ 12,500	$ 12,500	$ 13,000	$ 13,500	$ 14,000	$ 14,500	$ 15,000
Legal Consulting Fees	$ 44,250	$ 47,314	$ 48,500	$ 40,000	$ 42,000	$ 43,000	$ 44,000	$ 45,000	$ 46,000
Administrative Consultants	$ 54,202	$ 64,705	$ 45,000	$ 33,000	$ 120,000	$ 118,000	$ 130,000	$ 130,000	$ 255,000
Election Expense	$ 38,923	$ -	$ 40,000	$ 37,000	$ -	$ 50,000	$ -	$ 60,000	$ -
Office Maintenance	$ 9,250	$ 12,390	$ 10,000	$ 7,500	$ 10,000	$ 11,000	$ 12,000	$ 13,000	$ 14,000
Landscape Maintenance - Office	$ 4,401	$ 9,643	$ 6,000	$ 5,000	$ 5,500	$ 6,000	$ 6,500	$ 7,000	$ 7,500
Office Supplies & Misc Expenses - Office	$ 5,244	$ 3,905	$ 4,000	$ 5,500	$ 5,500	$ 6,000	$ 6,000	$ 6,000	$ 6,000
Computer Hardware	$ 7,286	$ 16,431	$ 25,000	$ 25,000	$ 26,000	$ 27,000	$ 28,000	$ 30,000	$ 31,000
Computer Software	$ 21,172	$ 15,368	$ 37,500	$ 37,500	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 41,000
Computer Software Maintenance/Licenses	$ 15,018	$ 22,229	$ 18,000	$ 18,000	$ 20,000	$ 20,000	$ 21,000	$ 22,000	$ 23,000
Utilities - Office	$ 14,762	$ 16,383	$ 18,000	$ 18,500	$ 19,000	$ 19,000	$ 20,000	$ 21,000	$ 21,500
Phones and Communications - Office	$ 29,935	$ 34,585	$ 29,000	$ 26,000	$ 27,000	$ 28,000	$ 29,000	$ 30,000	$ 31,000
Cell Phones - Office	$ 16,943	$ 15,284	$ 17,500	$ 15,500	$ 16,500	$ 17,000	$ 17,500	$ 18,000	$ 18,500
Printing, Postage, Stationery, Copier Maint.	$ 38,478	$ 47,394	$ 39,500	$ 36,000	$ 38,000	$ 38,000	$ 38,500	$ 39,000	$ 39,500
Uncollectible Accounts-Water	$ 19,528	$ -	$ 5,000	$ 2,500	$ 3,000	$ 3,500	$ 4,000	$ 9,000	$ 9,500
Water System Fees (DHS, RWQCB, LAFCO, Misc)	$ 37,946	$ 36,217	$ 65,000	$ 70,000	$ 80,000	$ 81,000	$ 82,000	$ 83,000	$ 84,000
Engineering Department	$ 12,617	$ 12,356	$ 13,000	$ 12,500	$ 15,000	$ 16,000	$ 17,000	$ 18,000	$ 19,000
Water Conservation	$ 23,636	$ 35,580	$ 56,000	$ 42,000	$ 60,000	$ 61,000	$ 62,000	$ 63,000	$ 64,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 14/15 - Preliminary

Description	Recorded FY 2011-12	Recorded FY 2012-13	Budget FY 2013-14	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
Pipeline/Advertising - Water Conservation	$ 550	$ -	$ 10,000	$ 5,000	$ 15,000	$ 13,000	$ 13,000	$ 13,000	$ 13,000
Turf Rebates - Water Conservation	$ 13,825	$ 13,649	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000
Washer & Toilet Rebates - Water Conservation	$ 9,368	$ 5,325	$ 13,000	$ 2,500	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Community Outreach	$ -	$ -	$ 15,000	$ 7,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000
Training - Office	$ 13,671	$ 12,006	$ 13,000	$ 8,000	$ 12,000	$ 12,000	$ 12,500	$ 13,000	$ 13,500
Conferences and Seminars - Office	$ 11,872	$ 9,137	$ 13,000	$ 10,000	$ 12,000	$ 13,000	$ 14,000	$ 15,000	$ 16,000
Board of Directors - Conferences and Seminars	$ 2,063	$ 1,685	$ 1,500	$ 1,500	$ 2,000	$ 2,000	$ 2,000	$ 2,000	$ 2,200
Misc Administration - Office	$ 5,814	$ 4,266	$ 4,000	$ 1,500	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Board of Directors - Misc Administration	$ 1,405	$ 1,710	$ 1,500	$ 1,200	$ 1,500	$ 1,500	$ 1,500	$ 1,500	$ 1,500
Membership Renewals/Subscriptions	$ 15,637	$ 21,889	$ 20,000	$ 23,000	$ 25,000	$ 26,000	$ 27,000	$ 28,000	$ 29,000
Interest Expense	$ -	$ -	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
Bank Charges	$ 9,780	$ 11,082	$ 11,500	$ 11,000	$ 12,000	$ 12,500	$ 13,000	$ 13,500	$ 14,000
Rental Property	$ 12,196	$ 113	$ 2,500	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES	$ 540,606	$ 523,420	$ 691,500	$ 598,700	$ 736,000	$ 797,000	$ 776,500	$ 859,500	$ 942,700
Emergency Operations	$ 7,175	$ -	$ 5,000	$ -	$ 3,000	$ 3,000	$ 3,000	$ 4,000	$ 5,000
FIRE & DEBRIS RECOVERY	$ 7,175	$ -	$ 5,000	$ -	$ 3,000	$ 3,000	$ 3,000	$ 4,000	$ 5,000
TOTAL EXPENSE	$ 4,400,184	$ 4,335,811	$ 4,945,750	$ 4,657,700	$ 5,267,800	$ 5,417,300	$ 5,450,800	$ 5,636,300	$ 5,862,500
Total O & M Expense (w/o Labor & Benefits)	$ 1,714,437	$ 1,636,637	$ 2,059,800	$ 1,973,400	$ 2,306,800	$ 2,368,300	$ 2,301,800	$ 2,406,300	$ 2,537,500

Water Budget Table WB-9 - Total Sources - FY 14/15 - Preliminary

FY 14/15 - Preliminary	Recorded FY 2011-12	Recorded FY 2012-13	Budget FY 2013-14	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
REVENUE									
Service Readiness Charge Revenue	$ 1,614,286	$ 1,633,352	$ 1,724,000	$ 1,733,000	$ 1,830,000	$ 1,975,000	$ 2,143,000	$ 2,305,000	$ 2,416,000
Metered sales of water (CVWD Costs)	$ 3,363,545	$ 4,300,707	$ 4,780,000	$ 5,114,600	$ 4,869,000	$ 5,578,000	$ 6,251,000	$ 6,976,000	$ 7,607,000
Required metered sales of water (FMWD Costs)	$ 2,605,954	$ 2,558,664	$ 2,648,000	$ 2,833,360	$ 2,738,000	$ 2,440,000	$ 2,440,000	$ 2,361,000	$ 2,387,000
Interest Income - Water Reserves	$ 77,947	$ 76,308	$ 50,000	$ 95,000	$ 75,000	$ 77,000	$ 79,000	$ 81,000	$ 83,000
Interest Income - MTBE Reserves	$ -	$ -	$ -	$ 50,000	$ 139,000	$ 138,000	$ 135,000	$ 134,000	$ 133,000
Source of Funds - Other Sources	$ 91,916	$ 122,607	$ 112,000	$ 103,000	$ 138,000	$ 147,500	$ 155,500	$ 163,500	$ 170,500
Sources of Funds - CIP Sources	$ 42,252	$ 196,674	$ 110,000	$ 98,700	$ 95,000	$ 110,000	$ 125,000	$ 140,000	$ 155,000
Transfer from MTBE Fund for PERS Side Fund	$ -	$ 432,595	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL REVENUE	$ 7,795,900	$ 9,320,907	$ 9,424,000	$ 10,027,660	$ 9,884,000	$ 10,465,500	$ 11,328,500	$ 12,160,500	$ 12,951,500
OPERATIONS & MAINTENANCE (O & M) EXPENSE									
Labor & Benefits	$ 2,685,747	$ 2,699,174	$ 2,886,000	$ 2,684,300	$ 2,961,000	$ 3,049,000	$ 3,149,000	$ 3,230,000	$ 3,325,000
Purchased Water	$ 2,030,628	$ 2,233,668	$ 2,369,000	$ 2,885,000	$ 2,732,000	$ 2,441,000	$ 2,444,000	$ 2,354,000	$ 2,388,000
Power	$ 623,262	$ 636,754	$ 670,000	$ 658,200	$ 678,000	$ 704,000	$ 725,000	$ 743,000	$ 761,000
Operating expenses	$ 1,714,437	$ 1,541,048	$ 2,060,000	$ 1,973,400	$ 2,306,800	$ 2,368,300	$ 2,301,800	$ 2,406,300	$ 2,537,500
Total O & M Expense	$ 7,054,074	$ 7,110,643	$ 7,985,000	$ 8,200,900	$ 8,677,800	$ 8,562,300	$ 8,619,800	$ 8,733,300	$ 9,011,500
Debt Service (principal & interest)	$ 613,738	$ 616,038	$ 612,400	$ 612,400	$ 614,000	$ 614,000	$ 614,000	$ 614,000	$ 614,000
Total O & M Expense + Debt Service	$ 7,667,812	$ 7,726,681	$ 8,597,400	$ 8,813,300	$ 9,291,800	$ 9,176,300	$ 9,233,800	$ 9,347,300	$ 9,625,500
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	$ 128,088	$ 1,594,227	$ 826,600	$ 1,214,360	$ 592,200	$ 1,289,200	$ 2,094,700	$ 2,813,200	$ 3,326,000
CAPITAL OUTLAY, LIABILITIES and CAPITAL									
Capital Outlay & Equipment	$ 347,018	$ 287,942	$ 272,000	$ 142,150	$ 200,000	$ 109,000	$ 116,000	$ 125,000	$ 125,000
PERS Side Fund	$ 115,000	$ 432,595	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Future Liability (OPEB)	$ -	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000
Capital Improvements (pay-as-you-go)	$ 28,238	$ 1,012,481	$ 2,200,000	$ 1,880,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
Total - Capital Outlay, CIP, CIP Fund & Future Liability	$ 490,256	$ 1,833,018	$ 2,572,000	$ 2,122,150	$ 2,300,000	$ 2,209,000	$ 2,216,000	$ 2,225,000	$ 2,225,000
INCREASE (DECREASE) TO CASH	$ (362,168)	$ (544,087)	$ (1,745,400)	$ (907,790)	$ (1,707,800)	$ (919,800)	$ (121,300)	$ 588,200	$ 1,101,000
FY begin available Water Reserves	$ 3,997,181	$ 3,080,907	$ 6,352,520	$ 6,352,520	$ 5,444,730	$ 3,736,930	$ 2,817,131	$ 2,695,831	$ 3,284,032
Recovery of MTBE Costs from Settlement		$ 3,815,700	$ -	$ -	$ -	$ -	$ -	$ -	$ -
FY End Water Reserves	$ 3,080,907	$ 6,352,520	$ 4,607,120	$ 5,444,730	$ 3,736,930	$ 2,817,131	$ 2,695,831	$ 3,284,032	$ 4,385,032
TOTAL TARGET WATER CASH RESERVES	$ 3,079,000	$ 3,278,000	$ 3,543,000	$ 3,524,000	$ 3,643,000	$ 3,775,000	$ 3,952,000	$ 4,147,000	$ 4,353,000
Above or (below) Target Reserves	$ 1,907	$ 3,074,520	$ 1,064,120	$ 1,920,730	$ 93,930	$ (957,869)	$ (1,256,169)	$ (862,968)	$ 32,032
Effective date of water rates	1/1/12	7/1/12	7/1/13	7/1/13	7/1/14	7/1/15	7/1/16	7/1/17	7/1/18
Projected Rate Increase for Service Charge	8.2%	3.1%	5.5%	5.6%	5.8%	7.8%	8.4%	7.4%	4.7%
Service rates ($/month for 3/4" meter)	$ 15.70	$ 16.20	$ 17.10	$ 17.10	$ 18.10	$ 19.50	$ 21.10	$ 22.70	$ 23.80
Projected Rate Increase for Quantity Charge	8.2%	3.1%	5.5%	5.6%	5.8%	7.8%	8.4%	7.4%	4.7%
Quantity Charge: ($/kgal)	$ 4.90	$ 5.05	$ 5.33	$ 5.33	$ 5.64	$ 6.08	$ 6.59	$ 7.08	$ 7.41
FMWD Quantity Charge: ($/kgal)	$ 1.90	$ 1.90	$ 1.90	$ 1.90	$ 2.03	$ 1.85	$ 1.85	$ 1.79	$ 1.77
CVWD Quantity Charge: ($/kgal)	$ 3.00	$ 3.15	$ 3.43	$ 3.43	$ 3.61	$ 4.23	$ 4.74	$ 5.29	$ 5.64

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 14/15 - Preliminary

Description	Recorded FY 2011-12	Recorded FY 2012-13	Budget FY 2013-14	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
TREATMENT AND DISPOSAL CHARGES									
Los Angeles ASSSC	$ 754,403	$ 865,052	$ 1,421,300	$ 926,312	$ 1,725,300	$ 1,725,300	$ 1,725,300	$ 1,725,300	$ 1,725,300
Los Angeles ASSS Facilities Charges	$ 3,347	$ 33,400	$ 35,000	$ 27,600	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 35,000
TOTAL TREATMENT AND DISPOSAL CHARGES	$ 757,750	$ 898,452	$ 1,456,300	$ 953,912	$ 1,760,300	$ 1,760,300	$ 1,760,300	$ 1,760,300	$ 1,760,300
COMPENSATION AND BENEFITS									
Director Fees	$ 8,109	$ 8,280	$ 8,100	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 8,000
Labor									
Officer Salaries	$ 136,435	$ 139,364	$ 147,400	$ 144,000	$ 153,000	$ 155,000	$ 159,000	$ 163,000	$ 166,000
Administrative Services Labor	$ 223,022	$ 221,670	$ 235,600	$ 220,000	$ 279,000	$ 286,000	$ 299,000	$ 308,000	$ 317,000
Administrative Services Labor - OT	$ 6,367	$ 7,491	$ 3,850	$ 7,500	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000
Engineering Department Labor	$ 112,079	$ 90,099	$ 133,200	$ 114,500	$ 142,000	$ 147,000	$ 152,000	$ 156,000	$ 161,000
Engineering Department Labor-OT	$ 317	$ 846	$ 250	$ 500	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000
Plant - Office Labor	$ 50,756	$ 56,922	$ 77,800	$ 63,000	$ 78,000	$ 80,000	$ 81,000	$ 83,000	$ 85,000
Plant - Office Labor-OT	$ 272	$ 75	$ 167	$ 200	$ -	$ -	$ -	$ -	$ -
Maintenance Workers Labor	$ 141,079	$ 94,700	$ 204,700	$ 150,000	$ 196,000	$ 201,000	$ 216,000	$ 224,000	$ 236,000
Maintenance Workers Labor-OT	$ 16,827	$ 11,025	$ 11,300	$ 16,000	$ 11,000	$ 11,000	$ 12,000	$ 12,000	$ 12,000
Standby Pay	$ 14,326	$ 14,944	$ 15,300	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 16,000	$ 16,000
Auto Allowance	$ 10,200	$ 8,825	$ 8,700	$ 8,700	$ 9,000	$ 9,000	$ 9,000	$ 9,000	$ 9,000
Labor Transfer to Capital	$ (29,043)	$ (6,778)	$ (4,833)	$ (5,000)	$ (5,000)	$ (5,000)	$ (5,000)	$ (5,000)	$ (5,000)
Labor Total	$ 690,746	$ 654,241	$ 841,534	$ 742,400	$ 893,000	$ 914,000	$ 953,000	$ 981,000	$ 1,012,000
Sick and Vacation - Office	$ 41,507	$ 43,762	$ 42,900	$ 45,000	$ 44,000	$ 45,000	$ 47,000	$ 48,000	$ 49,000
Sick and Vacation - Plant	$ 27,672	$ 29,174	$ 28,600	$ 30,000	$ 29,000	$ 30,000	$ 31,000	$ 32,000	$ 33,000
Taxes - Payroll (Total Employees)	$ 82,846	$ 79,514	$ 86,600	$ 76,000	$ 88,000	$ 90,000	$ 93,000	$ 95,000	$ 98,000
PERS Retirement (Total Employees)	$ 160,958	$ 172,093	$ 181,500	$ 174,000	$ 194,000	$ 208,000	$ 221,000	$ 233,000	$ 245,000
Interest Expense - CalPERS Pension Side Fund	$ 23,388	$ 12,788	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Workers' Compensation - Office	$ 13,990	$ 12,755	$ 11,000	$ 9,000	$ 10,000	$ 10,000	$ 10,000	$ 9,000	$ 9,000
Workers' Compensation - Plant	$ 55,308	$ 55,640	$ 49,100	$ 38,000	$ 41,000	$ 42,000	$ 44,000	$ 39,000	$ 40,000
Health and Dental and Vision - Office	$ 75,521	$ 70,832	$ 82,100	$ 78,000	$ 87,000	$ 89,000	$ 91,000	$ 92,000	$ 94,000
Life & Disability Insurance - Office	$ 4,750	$ 4,864	$ 5,500	$ 5,500	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000
Health and Dental and Vision - Plant	$ 91,750	$ 99,082	$ 93,400	$ 86,000	$ 95,000	$ 97,000	$ 99,000	$ 100,000	$ 102,000
Life & Disability Insurance - Plant	$ 1,581	$ 467	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Self Insurance	$ 9,296	$ 6,932	$ 8,700	$ 8,700	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 8,000
Retiree - Health Care Expense	$ 49,936	$ 52,371	$ 54,700	$ 59,000	$ 62,000	$ 63,000	$ 64,000	$ 65,000	$ 67,000
Compensation Total	$ 638,503	$ 640,274	$ 644,100	$ 609,200	$ 664,000	$ 688,000	$ 714,000	$ 727,000	$ 751,000
TOTAL COMPENSATION AND BENEFITS	$ 1,329,249	$ 1,294,515	$ 1,485,634	$ 1,351,600	$ 1,557,000	$ 1,602,000	$ 1,667,000	$ 1,708,000	$ 1,763,000
PLANT OPERATING EXPENSES									
Power - Lift Station	$ 834	$ 720	$ 700	$ 700	$ 700	$ 700	$ 750	$ 800	$ 850
Glenwood - Utilities	$ 2,544	$ 2,575	$ 4,000	$ 3,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 6,000
Glenwood - Phone	$ 10,441	$ 6,280	$ 9,500	$ 11,000	$ 10,500	$ 11,000	$ 11,000	$ 12,000	$ 12,000
Glenwood - Cell Phones	$ 2,513	$ 2,319	$ 2,800	$ 2,200	$ 3,000	$ 3,200	$ 3,000	$ 4,000	$ 4,000
Glenwood - Plant Maintenance	$ 4,074	$ 3,829	$ 3,750	$ 3,750	$ 8,400	$ 8,500	$ 9,000	$ 9,000	$ 10,000
Glenwood - Landscape	$ 1,482	$ 1,568	$ 2,000	$ 1,500	$ 2,300	$ 2,500	$ 3,000	$ 3,000	$ 3,000
Telemetering & Signal System	$ 3,978	$ 4,855	$ 2,800	$ 2,800	$ 4,000	$ 4,500	$ 5,000	$ 6,000	$ 6,000
SCADA Hardware	$ -	$ -	$ 2,000	$ 2,000	$ 2,000	$ 2,500	$ 3,000	$ 4,000	$ 4,000
SCADA Software	$ -	$ -	$ 4,750	$ 4,750	$ 3,700	$ 4,000	$ 4,000	$ 5,000	$ 5,000
SCADA Phone Lines & Radio	$ -	$ -	$ 1,300	$ 1,300	$ 1,700	$ 2,000	$ 2,000	$ 3,000	$ 3,000
Glenwood - Uniforms	$ 2,955	$ 2,568	$ 3,300	$ 2,600	$ 3,000	$ 3,200	$ 3,000	$ 4,000	$ 4,000
Glenwood - Safety and Security System	$ 5,169	$ 11,662	$ 5,000	$ 7,000	$ 6,000	$ 6,300	$ 7,000	$ 7,000	$ 7,000
Training - Plant	$ 1,089	$ 3,171	$ 2,350	$ 2,400	$ 2,700	$ 2,800	$ 3,000	$ 3,000	$ 3,000
Office Supplies & Misc Expenses - Plant	$ -	$ -	$ 2,000	$ 6,000	$ 6,000	$ 6,500	$ 7,000	$ 7,000	$ 7,000
Tools and Equipment Maintenance	$ 19,627	$ 27,015	$ 5,000	$ 16,000	$ 15,000	$ 23,500	$ 25,000	$ 26,000	$ 27,000
Taxes - Property	$ 5,647	$ 3,959	$ 3,750	$ 3,750	$ 4,000	$ 4,200	$ 4,000	$ 5,000	$ 5,000
Education Reimbursement/Cert. - WW	$ 464	$ -	$ 2,000	$ 2,000	$ 3,000	$ 1,500	$ 1,500	$ 1,500	$ 1,500
TOTAL PLANT OPERATING EXPENSES	$ 60,817	$ 70,521	$ 57,000	$ 72,750	$ 81,000	$ 91,900	$ 96,250	$ 105,300	$ 108,350

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 14/15 - Preliminary

Description	Recorded FY 2011-12	Recorded FY 2012-13	*Budget FY 2013-14*	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
COLLECTION SYSTEM EXPENSE									
Sewer Flow Monitoring Expense	$ 14,440	$ 14,440	*$ 20,000*	$ 24,000	$ 21,000	$ 21,000	$ 21,500	$ 22,000	$ 22,500
Pipelines - Maintenance	$ 7,259	$ 601	*$ 8,000*	$ 10,000	$ 9,000	$ 10,000	$ 11,000	$ 12,000	$ 13,000
Sewer Interceptor - Maintenance	$ 2,859	$ 33	*$ 3,000*	$ 3,000	$ 7,000	$ 4,000	$ 8,000	$ 8,000	$ 8,000
Sewer Lift Station - Maintenance	$ 3,113	$ 2,557	*$ 5,000*	$ 5,000	$ 6,000	$ 6,000	$ 6,500	$ 7,000	$ 7,500
Auto/Truck - Maintenance	$ 31,519	$ 31,619	*$ 20,000*	$ 35,000	$ 17,000	$ 17,000	$ 17,000	$ 17,000	$ 17,000
Auto/Truck - Gas	$ 8,216	$ 7,616	*$ 8,500*	$ 8,000	$ 9,000	$ 9,000	$ 9,000	$ 10,000	$ 10,000
Auto/Truck - Diesel	$ 6,190	$ 5,221	*$ 5,400*	$ 5,500	$ 5,800	$ 6,000	$ 6,000	$ 6,000	$ 7,000
Sewer Camera Van Inspection	$ 1,800	$ 2,740	*$ 1,500*	$ 1,000	$ 1,500	$ 2,000	$ 2,500	$ 3,000	$ 3,000
TOTAL COLLECTION SYSTEM EXPENSE	$ 75,396	$ 64,827	*$ 71,400*	$ 91,500	$ 76,300	$ 75,000	$ 81,500	$ 85,000	$ 88,000
GENERAL AND ADMINISTRATIVE EXPENSES									
Engineering Department	$ 4,234	$ 4,060	*$ 4,250*	$ 4,500	$ 5,000	$ 5,500	$ 6,000	$ 7,000	$ 7,000
Accounting - Audit	$ 16,677	$ 7,428	*$ 12,500*	$ 12,500	$ 13,000	$ 13,500	$ 14,000	$ 14,500	$ 15,000
Legal Consulting Fees	$ 14,122	$ 14,289	*$ 16,000*	$ 12,000	$ 14,000	$ 17,000	$ 15,000	$ 15,000	$ 15,000
Administrative Consultants	$ 44,131	$ 16,251	*$ 15,000*	$ 17,000	$ 25,000	$ 35,000	$ -	$ 2,500	$ -
General Insurance (General Liability, Property, Fidelity)	$ 33,975	$ 44,394	*$ 50,000*	$ 47,000	$ 53,000	$ 56,000	$ 59,000	$ 62,000	$ 65,000
Office Maintenance	$ 2,949	$ 4,147	*$ 3,250*	$ 3,000	$ 3,300	$ 4,000	$ 4,000	$ 4,000	$ 5,000
Landscape Maintenance - Office	$ 1,467	$ 3,214	*$ 2,000*	$ 1,500	$ 2,200	$ 2,500	$ 3,000	$ 3,000	$ 3,000
Office Supplies & Misc Expenses	$ 4,863	$ 13,898	*$ 4,000*	$ 6,000	$ 2,000	$ 2,500	$ 6,000	$ 6,100	$ 6,200
Computers Hardware	$ 7,285	$ 5,468	*$ 8,500*	$ 8,500	$ 8,500	$ 9,000	$ 9,000	$ 10,000	$ 10,000
Computer Software	$ 17,895	$ 2,892	*$ 12,500*	$ 12,500	$ 13,000	$ 10,000	$ 13,000	$ 13,000	$ 14,000
Computer Software Maintenance/License	$ 15,018	$ 7,718	*$ 6,000*	$ 6,000	$ 6,500	$ 7,000	$ 7,000	$ 7,000	$ 8,000
Utilities - Office	$ 4,696	$ 4,909	*$ 6,000*	$ 6,000	$ 6,500	$ 6,500	$ 7,000	$ 7,000	$ 7,000
Phones and Communications - Office	$ 9,978	$ 13,243	*$ 9,500*	$ 8,000	$ 9,000	$ 10,000	$ 11,000	$ 11,000	$ 11,000
Cell Phones - Office	$ 5,914	$ 5,164	*$ 5,750*	$ 5,200	$ 5,500	$ 6,000	$ 6,000	$ 6,000	$ 6,000
Printing, Postage, Stationery, Copier Maintenance	$ 38,481	$ 45,132	*$ 39,500*	$ 36,000	$ 38,000	$ 38,000	$ 38,500	$ 39,000	$ 39,500
Election Expense	$ 38,923	$ -	*$ 40,000*	$ 50,000	$ -	$ 50,000	$ -	$ 60,000	$ -
Uncollectible Accounts	$ 2,322	$ -	*$ 1,700*	$ 1,700	$ 1,500	$ 1,500	$ 1,000	$ 3,000	$ 3,000
Training - Office	$ 3,607	$ 2,954	*$ 4,250*	$ 2,000	$ 3,300	$ 3,500	$ 4,000	$ 4,000	$ 4,000
Conferences and Seminars - Office	$ 3,739	$ 2,103	*$ 4,250*	$ 4,000	$ 4,700	$ 5,000	$ 5,000	$ 7,000	$ 7,000
Board of Directors - Conferences and Seminars	$ 688	$ 573	*$ 500*	$ 500	$ 700	$ 1,000	$ 1,000	$ 1,000	$ 1,000
Misc Administration - Office	$ 2,086	$ 1,136	*$ 1,350*	$ 1,100	$ 1,700	$ 2,000	$ 2,000	$ 2,000	$ 2,000
Membership Renewals/Subscriptions	$ 5,312	$ 7,611	*$ 6,500*	$ 9,000	$ 8,500	$ 9,000	$ 9,000	$ 9,000	$ 10,000
Board of Directors - Misc Administration	$ 465	$ 654	*$ 500*	$ 500	$ 400	$ 500	$ 1,000	$ 1,000	$ 1,000
Bank Charges	$ 8,218	$ 9,486	*$ 11,500*	$ 10,000	$ 12,000	$ 12,500	$ 13,000	$ 13,500	$ 14,000
Rental Properties Expense	$ 4,065	$ 38	*$ 850*	$ 1,250	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000
GENERAL AND ADMINISTRATIVE EXPENSES	$ 291,110	$ 216,762	*$ 266,150*	$ 265,750	$ 238,300	$ 308,500	$ 235,500	$ 308,600	$ 254,700
TOTAL WASTEWATER SYSTEM EXPENSE (W/O LA Treatment Costs)	$ 1,756,572	$ 1,646,625	*$ 1,880,184*	$ 1,781,600	$ 1,952,600	$ 2,077,400	$ 2,080,250	$ 2,206,900	$ 2,214,050
TOTAL WASTEWATER SYSTEM EXPENSE (W/O LA Treatment & Labor Costs)	$ 427,323	$ 352,110	*$ 394,550*	$ 430,000	$ 395,600	$ 475,400	$ 413,250	$ 498,900	$ 451,050

Wastewater Budget Table WWB - 7 Sources and Applications of Funds - FY 14/15 - Preliminary

Budget	Recorded FY 2011-12	Recorded FY 2012-13	Budget FY 2013-14	Projected FY 2013-14	Budget FY 2014-15	Forecast FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19
REVENUE									
Projected user charges	$ 2,730,151	$ 2,928,381	$ 3,185,000	$ 3,270,000	$ 3,364,000	$ 3,540,000	$ 3,681,000	$ 3,840,000	$ 3,999,000
Total permit/connection fee	$ 18,157	$ 82,690	$ 28,500	$ 25,500	$ 32,500	$ 35,500	$ 39,500	$ 39,500	$ 39,500
Transfer from MTBE for PERS Side Fund	$ -	$ 288,397	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest earnings	$ 30	$ 47,781	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500
TOTAL REVENUE	$ 2,748,338	$ 3,347,248	$ 3,214,000	$ 3,296,000	$ 3,397,000	$ 3,576,000	$ 3,721,000	$ 3,880,000	$ 4,039,000
EXPENSE									
City of LA Sewer Service Charges	$ 757,750	$ 898,452	$ 1,456,300	$ 953,912	$ 1,760,300	$ 1,760,300	$ 1,760,300	$ 1,760,300	$ 1,760,300
Sewer Labor & Benefits	$ 1,329,249	$ 1,294,515	$ 1,486,000	$ 1,351,600	$ 1,557,000	$ 1,602,000	$ 1,667,000	$ 1,708,000	$ 1,763,000
Sewer O & M Expense	$ 427,323	$ 352,110	$ 406,800	$ 430,000	$ 395,600	$ 475,400	$ 413,250	$ 498,900	$ 451,050
Sewer CIP & CO Expense	$ 284,545	$ 45,785	$ 251,200	$ 34,220	$ 208,500	$ 225,500	$ 227,750	$ 230,000	$ 155,000
PERS Side Fund	$ -	$ 288,397	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL EXPENSE	$ 2,798,867	$ 2,879,260	$ 3,600,300	$ 2,769,732	$ 3,921,400	$ 4,063,200	$ 4,068,300	$ 4,197,200	$ 4,129,350
Additions (reductions) to cash	$ (50,529)	$ 467,989	$ (386,300)	$ 526,268	$ (524,400)	$ (487,200)	$ (347,300)	$ (317,200)	$ (90,350)
Effective date of Wastewater rates	1/1/12	7/1/12	7/1/13	7/1/13	7/1/14	7/1/15	7/1/16	7/1/17	7/1/18
Rate increase	0%	8.2%	8.4%	8.4%	4.7%	4.4%	4.3%	4.1%	3.9%
User Charge (monthly EDUs)	$ 27.50	$ 29.75	$ 32.25	$ 32.25	$ 33.75	$ 35.25	$ 36.75	$ 38.25	$ 39.75
Commercial - Monthly Cost	$ 1.70	$ 1.80	$ 2.00	$ 2.00	$ 2.10	$ 2.20	$ 2.30	$ 2.40	$ 2.50
Commercial - $/Unit	$ 4.55	$ 4.90	$ 5.30	$ 5.30	$ 5.50	$ 5.70	$ 5.90	$ 6.10	$ 6.30
Secondary School - Quantity Charge per 100 ADA	$ 132.10	$ 142.90	$ 154.90	$ 154.90	$ 162.10	$ 169.30	$ 176.50	$ 183.70	$ 190.90
Primary School - Quantity Charge per 100 ADA	$ 66.00	$ 71.40	$ 77.40	$ 77.40	$ 81.00	$ 84.60	$ 88.20	$ 91.80	$ 95.40
Customer Revenue EDUs									
FY beginning Wastewater Reserves	$ 3,554,860	$ 3,504,331	$ 3,972,320	$ 3,972,320	$ 4,498,588	$ 3,974,188	$ 3,486,988	$ 3,139,688	$ 2,822,488
Additions (reductions)	$ (50,529)	$ 467,989	$ (386,300)	$ 526,268	$ (524,400)	$ (487,200)	$ (347,300)	$ (317,200)	$ (90,350)
FY ending Wastewater Reserves	$ 3,504,331	$ 3,972,320	$ 3,586,020	$ 4,498,588	$ 3,974,188	$ 3,486,988	$ 3,139,688	$ 2,822,488	$ 2,732,138
TOTAL TARGET WASTERWATER CASH RESERVES	$ 2,152,251	$ 2,272,087	$ 2,342,100	$ 2,344,400	$ 2,439,550	$ 2,536,400	$ 2,608,150	$ 2,702,000	$ 2,775,850
Above (below) target	$ 1,352,081	$ 1,700,233	$ 1,243,920	$ 2,154,188	$ 1,534,638	$ 950,588	$ 531,538	$ 120,488	$ (43,712)

Legend

Blue - Recorded Revenues & Expenses

Brown - Previous Year Budget & Projected

Black - Budget Revenues & Expenses

Green - Forcast Revenues & Expenses

PUBLIC NOTICE OF PROPOSED INCREASE IN WATER RATES AND CHARGES

The Crescenta Valley Water District (CVWD) Board of Directors is considering a recommendation for a proposed change in water rates and charges at a public hearing to be held on:

Tuesday, June 10, 2014, at 6:00 p.m.
2700 Foothill Blvd., La Crescenta, CA 91214

PROPOSED WATER RATE INCREASE

District staff is recommending a 5.8% water rate increase to become effective July 1st 2014. **A typical residence with a 3/4-inch meter and using 22 units of water (Tiers 1 & 2) will experience an increase of $8.10 per bi-monthly bill, from $139.36 to $147.46, per bi-monthly billing period.**

PROPOSED WATER RATE CHANGES

If approved, the increased rates will become effective on any statement billed after July 1st, 2014. The proposed rate adjustments are shown on the attached table.

Water service charge: Increase from $34.20 per bi-monthly billing period to **$36.18** per bi-monthly billing period for a typical (3/4-inch) residential water meter. Refer to the attached table for increased water service charges for larger meters.

The Water Service Charge is a portion of the District's overall fixed costs; which is the cost it takes to run the District if it didn't sell any water.

The **Foothill Municipal Water District (FMWD) pass-through charge** will increase from $1.90 per unit to **$2.03** per unit. That amount is applicable to each unit in every tier including multi-family, commercial, and irrigation accounts.

Single Family Residence Water Quantity Charge:

- **Tier 1 water rate (0-10 units):** Increase the CVWD component from $2.22 to $2.33 per unit; the charge for water used in Tier 1 would increase from $4.12 to **$4.36** per unit.
- **Tier 2 water rate (11-33 units):** Increase the CVWD component to from $3.43 to $3.61 per unit; the charge for water used in Tier 2 would increase from $5.33 to **$5.64** per unit.
- **Tier 3 water rate (34-50 units):** Increase the CVWD component from $5.70 to $6.01 per unit; the charge for water used in Tier 3 would increase from $7.60 to **$8.04** per unit.
- **Tier 4 water rate (51 units and above):** Increase the CVWD component from $8.29 to $8.75 per unit; the charge for water used in Tier 4 would increase from $10.19 to **$10.78** per unit**.**

Multi-Family Dwellings, Commercial, Institution, and School Water Quantity Charge:

- Increase the CVWD component from $3.43 to $3.61 per unit; the charge for water is **$5.64**.

Landscape/Irrigation Water Quantity Charge:

- **Tier 1 water rate (0-70 units):** Increase the CVWD component from $3.43 $3.61 per unit; the charge for water used in Tier 1 is **$5.64.**
- **Tier 2 water rate (71 units and above):** Increase the CVWD component from $8.29 to $8.75 per unit; the charge for water used in tier 2 is **$10.78.**

1 Unit of water equals 1,000 gallons. That's 8,420 lbs of water --- That's 4 Tons! That's enough water for a family of 4 for 2 days

PROPOSED WATER RATES

July 2013

Single Family Residence

	Water Use Range	Local Cost	FMWD Cost	Total Cost
Tier I	1-10 Units	$2.22	$1.90	$4.12
Tier II	11-33 Units	$3.43	$1.90	$5.33
Tier III	34-50 Units	$5.70	$1.90	$7.60
Tier IV	51 Units and above	$8.29	$1.90	$10.19

Usage charge for multi-family units, commercial, institutions, & schools

	Local Cost	FMWD Cost	Total Cost
Base Rate	$3.43	$1.90	$5.33

Irrigation Usage Charge

Irrigation Usage Charge:		Local Cost	FMWD Cost	Total Cost
Tier I	1-70 Units	$3.43	$1.90	$5.33
Tier II	Above 70 Units	$8.29	$1.90	$10.19

Meter Service Charge per bi-monthly billing period

Meter Size	7/1/2013 Within District	7/1/2013 Outside District
3/4"	$34.20	$34.60
1"	$42.00	$42.40
1½"	$61.34	$61.74
2"	$77.58	$77.98
3"	$84.58	$84.98
4"	$217.32	$217.72

Private Fire Protection Service Charge per bi-monthly billing period

Meter Size	7/1/2013 Within District	7/1/2013 Outside District
1"	$14.32	$14.72
2"	$21.08	$21.48
3"	$31.46	$31.86
4"	$42.66	$43.06
6"	$73.32	$73.72
8"	$111.56	$111.96
10"	$155.78	$156.18

July 2014

Single Family Residence

	Water Use Range	Local Cost	FMWD Cost	Total Cost
Tier I	1-10 Units	$2.33	$2.03	$4.36
Tier II	11-33 Units	$3.61	$2.03	$5.64
Tier III	34-50 Units	$6.01	$2.03	$8.04
Tier IV	51 Units and above	$8.75	$2.03	$10.78

Usage charge for multi-family units, commercial, institutions, & schools

	Local Cost	FMWD Cost	Total Cost
Base Rate	$3.61	$2.03	$5.64

Irrigation Usage Charge

Irrigation Usage Charge:		Local Cost	FMWD Cost	Total Cost
Tier I	1-70 Units	$3.61	$2.03	$5.64
Tier II	Above 70 Units	$8.75	$2.03	$10.78

Meter Service Charge per bi-monthly billing period

Meter Size	7/1/2014 Within District	7/1/2014 Outside District
3/4"	$ 36.18	$36.58
1"	$ 44.44	$44.84
1½"	$ 64.88	$65.28
2"	$ 82.06	$82.46
3"	$ 89.48	$89.88
4"	$ 229.90	$230.30

Private Fire Protection Service Charge per bi-monthly billing period

Meter Size	7/1/2014 Within District	7/1/2014 Outside District
1"	$15.14	$15.54
2"	$22.30	$22.70
3"	$33.28	$33.68
4"	$45.12	$45.52
6"	$77.58	$77.98
8"	$118.02	$118.42
10"	$164.80	$165.20

One Unit of Water is 1,000 gallons.

Note: Customers located within the City of Glendale are charged a $0.40 administration fee per bi-monthly period for collection of Glendale Utility Tax.

WHERE DOES YOUR WATER COME FROM:

The water that the District serves residents is either pumped from the ground (produced) by the District through a series of groundwater wells located within the Verdugo Basin or it is purchased from FMWD. FMWD is a wholesaler whose primary job is to buy water from Metropolitan Water District of Southern California (MWD) and sell it to retail agencies like CVWD. The Water that is purchased consists of a combination of water from the California State Water Project and from the Colorado River. The distance the water must travel greatly increases the cost of the water. Water that the District purchases is nearly three times more expensive than the water that the District produces.

FMWD PASS-THROUGH CHARGE:

The costs of imported water are represented on each bill as the FMWD pass through charge (Imported water Costs). The District does not control the fees associated with purchasing imported water. MWD has proposed an overall rate increase ranging from 2% - 3.7% for the 2014/2015 fiscal. The District uses historical information to estimate the expense the District will incur during the fiscal year to purchase water from FMWD. That amount is divided equally into the amount of water the District sells by units of 1,000 gallons. Each customer pays the FMWD charge on each unit of water they use. In addition to supplementing the Districts water supply, imported water is used for blending purposes and also serves as a backup to the District's groundwater supply. This year, the FMWD pass through charge is purposed to increase from $1.90 to $2.03 per unit.

REASON FOR RATE INCREASE:

CVWD, like many other utilities around Southern California, must address aging infrastructure. The Board of Directors made the decision to invest in our community's water infrastructure and improve maintenance to ensure a safe and reliable water system now and for future generations. The District funds all capital repairs and replacements with its rate revenues on a pay-as-you-go basis. The contributing components of the rate increase are:

- Capital improvement projects (listed below)
- Maintenance of equipment and assets at a rate that places the District on a sustainable path to meet its mission statement
- Increased operational costs:
    - Electricity
    - Fuel
    - Chemical Treatment
    - Regulatory Compliance
    - Water Service Replacement
    - Improvement of District Facilities

CAPITAL IMPROVEMENT PROJECTS PLANNED FOR 2014 & 2015

- Rehabilitation of two of the District's groundwater wells,
- Purchase of additional water source within the Verdugo Basin,
- Complete the emergency water supply interconnection with the Los Angeles Department of Water and Power,
- Complete a study to use stormwater to recharge the groundwater basin,
- Replacement of 3000 linear feet of aging pipelines, the majority of which was installed in the early 1950's,
- Upgrade of the Motor Control Center at Oak Creek Reservoir,
- Continue replacement of the 20 year-old Telemetry/Remote Data system.

WHAT HAS THE DISTRICT DONE TO CUT THE BUDGET

The Board of Directors and Staff continue to work to operate and maintain the water and wastewater services provided to the community in a cost effective and reliable manner. Every year during the past decade, the District has remained at or below the budgets established. The District's reserves for emergencies and operations are at, or slightly above, the target reserve levels. Every employee is encouraged to provide exceptional customer service and maintain a high standard of reliability. The Staff and the Board go through every budget item, line by line, to cut and reduce expenses, if possible. Every employee is encouraged to reduce expenses and look for alternative solutions and products that maintain quality and/or lessen expenditures. The District is a Public agency and does not operate on a for profit basis. The rate increase proposed by staff supports capital improvements and maintenance at a level which maximizes facility life expectancy while ensuring a safe and reliable water system for the community.

PROTEST LETTERS MUST BE RECEIVED BY CVWD
BEFORE 4:30 P.M., MONDAY, JUNE 9, 2014

Any CVWD customer or property owner within the CVWD service area may file a written protest of the proposed rate changes by sending a letter to CVWD, 2700 Foothill Boulevard, La Crescenta, CA 91214. A valid protest letter must include your name, your CVWD service address, a statement of protest and an original signature.

Protest letters will be tabulated and presented to the Board of Directors at a public hearing to be held on Tuesday, **June 10, 2014, at 6:00 p.m. at the CVWD main office.** Any CVWD customer or property owner may submit a letter or appear at the hearing to make comments regarding the proposed rate increase.

The Board of Directors may adopt, revise, or modify the rate increase as proposed at the Board meeting after the public hearing, which is scheduled for June 17, 2014 at 7:00 p.m.

The Board may not increase water rates and charges more than indicated in this notice.

WHERE CAN I GET MORE INFORMATION

The proposed water rate chart is available for inspection on the website www.cvwd.com or at the District's office at 2700 Foothill Boulevard, La Crescenta, CA 91214 between 8:00 a.m. and 4:30 p.m., Monday through Friday. The District can assist in answering any questions about your water bill. If you have questions or need additional information, please contact CVWD at **(818) 248-3925** or e-mail water@cvwd.com.

DISTRICT INFORMATION

The District is a public agency and is governed by five elected Board of Directors. The mission of the District is to provide dependable water service and wastewater collection in La Crescenta, Montrose, and portions of Glendale, and La Canada Flintridge. In carrying out this mission, the District places special emphasis on delivering a high quality water supply and system reliability at the most reasonable costs to its ratepayers. The District endeavors to promote conservation of its resources and to perform all operations in the most efficient manner to meet the needs of the community.

The Board meets at 7:00 p.m. every 1st and 3rd Tuesday of each month at CVWD's main office at 2700 Foothill Blvd. in La Crescenta and the District welcomes the public's input. This document and other information regarding the District can also be found on the web site at www.cvwd.com.

CVWD offers a **20% senior low-income discount (62-years or older and an annual household income of $30,000 per year or less)** for up to 26 units of water used per bi-monthly billing period. Visit CVWD's website, **www.cvwd.com** for more information or contact CVWD at (818) 248-3925.

WAYS TO REDUCE YOUR WATER BILL

EVERY DROP COUNTS

Customers can reduce their water bills by using water efficiently. First, always check to ensure that you don't have any leaks. Begin with an indoor audit. Do dye tablet or food coloring tests in toilets to check for hidden leaks. Be sure to flush the coloring after 10-15 minutes to prevent staining. Outdoors, check for broken or misaligned sprinklers. Make sure that your controller is set to run so that there is no water runoff. You can also check your water meter to ensure there are no leaks. Contact the District for low flow shower heads, leak detection tabs, water audits (free for qualifying customers), or instructions on how to check your water meter.

Take advantage on savings for water efficient devices and rebates on turf removal. For details check the District website at www.cvwd.com. Rebate information is also available at www.socalwatersmart.com.

Residential Bi-monthly Bill - (3/4" Meter with Average Usage in Bi-monthly Period) for 5.8% Increase

Avg Bi-monthly Usage	Ex. 3/4" Meter Service Charge	Ex. Bi-monthly Water Service Charge	Ex. Water Usage Charge Rate	Bi-monthly Usage	Water Usage Charge	Ex. Water Bill	New 3/4" Meter Service Charge	Mos.	New Bi-monthly Water Service Charge	Water Usage Charge Rate	Bi-monthly Usage	Water Usage Charge	New Water Bill	Bi-Monthly Increase	Effective Percentage Increase on Bi-Monthly Water Bill
0	$17.10	$34.20	$4.12	0	$0.00	**$34.20**	$ 18.09	2	$36.19	$4.36	0	$0.00	**$36.19**	**$1.99**	**5.8%**
1	$17.10	$34.20	$4.12	1	$4.12	**$38.32**	$18.09	2	$36.19	$4.36	1	$4.36	**$40.54**	**$2.23**	**5.8%**
2	$17.10	$34.20	$4.12	2	$8.24	**$42.44**	$18.09	2	$36.19	$4.36	2	$8.72	**$44.90**	**$2.47**	**5.8%**
3	$17.10	$34.20	$4.12	3	$12.36	**$46.56**	$18.09	2	$36.19	$4.36	3	$13.08	**$49.26**	**$2.71**	**5.8%**
4	$17.10	$34.20	$4.12	4	$16.48	**$50.68**	$18.09	2	$36.19	$4.36	4	$17.44	**$53.62**	**$2.95**	**5.8%**
5	$17.10	$34.20	$4.12	5	$20.60	**$54.80**	$18.09	2	$36.19	$4.36	5	$21.80	**$57.98**	**$3.19**	**5.8%**
6	$17.10	$34.20	$4.12	6	$24.72	**$58.92**	$18.09	2	$36.19	$4.36	6	$26.16	**$62.34**	**$3.43**	**5.8%**
7	$17.10	$34.20	$4.12	7	$28.84	**$63.04**	$18.09	2	$36.19	$4.36	7	$30.52	**$66.70**	**$3.67**	**5.8%**
8	$17.10	$34.20	$4.12	8	$32.96	**$67.16**	$18.09	2	$36.19	$4.36	8	$34.88	**$71.06**	**$3.91**	**5.8%**
9	$17.10	$34.20	$4.12	9	$37.08	**$71.28**	$18.09	2	$36.19	$4.36	9	$39.24	**$75.42**	**$4.15**	**5.8%**
10	$17.10	$34.20	$4.12	10	$41.20	**$75.40**	$18.09	2	$36.19	$4.36	10	$43.60	**$79.78**	**$4.39**	**5.8%**
11	$17.10	$34.20	$5.33	11	$46.53	**$80.73**	$18.09	2	$36.19	$5.64	11	$49.24	**$85.42**	**$4.70**	**5.8%**
12	$17.10	$34.20	$5.33	12	$51.86	**$86.06**	$18.09	2	$36.19	$5.64	12	$54.88	**$91.06**	**$5.01**	**5.8%**
13	$17.10	$34.20	$5.33	13	$57.19	**$91.39**	$18.09	2	$36.19	$5.64	13	$60.52	**$96.70**	**$5.32**	**5.8%**
14	$17.10	$34.20	$5.33	14	$62.52	**$96.72**	$18.09	2	$36.19	$5.64	14	$66.16	**$102.34**	**$5.63**	**5.8%**
15	$17.10	$34.20	$5.33	15	$67.85	**$102.05**	$18.09	2	$36.19	$5.64	15	$71.80	**$107.98**	**$5.94**	**5.8%**
16	$17.10	$34.20	$5.33	16	$73.18	**$107.38**	$18.09	2	$36.19	$5.64	16	$77.44	**$113.62**	**$6.25**	**5.8%**
17	$17.10	$34.20	$5.33	17	$78.51	**$112.71**	$18.09	2	$36.19	$5.64	17	$83.08	**$119.26**	**$6.56**	**5.8%**
18	$17.10	$34.20	$5.33	18	$83.84	**$118.04**	$18.09	2	$36.19	$5.64	18	$88.72	**$124.90**	**$6.87**	**5.8%**
19	$17.10	$34.20	$5.33	19	$89.17	**$123.37**	$18.09	2	$36.19	$5.64	19	$94.36	**$130.54**	**$7.18**	**5.8%**
20	$17.10	$34.20	$5.33	20	$94.50	**$128.70**	$18.09	2	$36.19	$5.64	20	$100.00	**$136.18**	**$7.49**	**5.8%**
21	$17.10	$34.20	$5.33	21	$99.83	**$134.03**	$18.09	2	$36.19	$5.64	21	$105.64	**$141.82**	**$7.80**	**5.8%**
22	$17.10	$34.20	$5.33	22	$105.16	**$139.36**	$18.09	2	$36.19	$5.64	22	$111.28	**$147.46**	**$8.11**	**5.8%**
23	$17.10	$34.20	$5.33	23	$110.49	**$144.69**	$18.09	2	$36.19	$5.64	23	$116.92	**$153.10**	**$8.42**	**5.8%**
24	$17.10	$34.20	$5.33	24	$115.82	**$150.02**	$18.09	2	$36.19	$5.64	24	$122.56	**$158.74**	**$8.73**	**5.8%**
25	$17.10	$34.20	$5.33	25	$121.15	**$155.35**	$18.09	2	$36.19	$5.64	25	$128.20	**$164.38**	**$9.04**	**5.8%**
26	$17.10	$34.20	$5.33	26	$126.48	**$160.68**	$18.09	2	$36.19	$5.64	26	$133.84	**$170.02**	**$9.35**	**5.8%**
27	$17.10	$34.20	$5.33	27	$131.81	**$166.01**	$18.09	2	$36.19	$5.64	27	$139.48	**$175.66**	**$9.66**	**5.8%**
28	$17.10	$34.20	$5.33	28	$137.14	**$171.34**	$18.09	2	$36.19	$5.64	28	$145.12	**$181.30**	**$9.97**	**5.8%**
29	$17.10	$34.20	$5.33	29	$142.47	**$176.67**	$18.09	2	$36.19	$5.64	29	$150.76	**$186.94**	**$10.28**	**5.8%**
30	$17.10	$34.20	$5.33	30	$147.80	**$182.00**	$18.09	2	$36.19	$5.64	30	$156.40	**$192.58**	**$10.59**	**5.8%**
31	$17.10	$34.20	$5.33	31	$153.13	**$187.33**	$18.09	2	$36.19	$5.64	31	$162.04	**$198.22**	**$10.90**	**5.8%**
32	$17.10	$34.20	$5.33	32	$158.46	**$192.66**	$18.09	2	$36.19	$5.64	32	$167.68	**$203.86**	**$11.21**	**5.8%**
33	$17.10	$34.20	$5.33	33	$163.79	**$197.99**	$18.09	2	$36.19	$5.64	33	$173.32	**$209.50**	**$11.52**	**5.8%**
34	$17.10	$34.20	$7.60	34	$171.39	**$205.59**	$18.09	2	$36.19	$8.04	34	$181.36	**$217.54**	**$11.96**	**5.8%**
35	$17.10	$34.20	$7.60	35	$178.99	**$213.19**	$18.09	2	$36.19	$8.04	35	$189.40	**$225.59**	**$12.40**	**5.8%**
36	$17.10	$34.20	$7.60	36	$186.59	**$220.79**	$18.09	2	$36.19	$8.04	36	$197.44	**$233.63**	**$12.84**	**5.8%**
37	$17.10	$34.20	$7.60	37	$194.19	**$228.39**	$18.09	2	$36.19	$8.04	37	$205.48	**$241.67**	**$13.28**	**5.8%**
38	$17.10	$34.20	$7.60	38	$201.79	**$235.99**	$18.09	2	$36.19	$8.04	38	$213.53	**$249.71**	**$13.73**	**5.8%**
39	$17.10	$34.20	$7.60	39	$209.39	**$243.59**	$18.09	2	$36.19	$8.04	39	$221.57	**$257.75**	**$14.17**	**5.8%**
40	$17.10	$34.20	$7.60	40	$216.99	**$251.19**	$18.09	2	$36.19	$8.04	40	$229.61	**$265.80**	**$14.61**	**5.8%**
41	$17.10	$34.20	$7.60	41	$224.59	**$258.79**	$18.09	2	$36.19	$8.04	41	$237.65	**$273.84**	**$15.05**	**5.8%**
42	$17.10	$34.20	$7.60	42	$232.19	**$266.39**	$18.09	2	$36.19	$8.04	42	$245.69	**$281.88**	**$15.49**	**5.8%**
43	$17.10	$34.20	$7.60	43	$239.79	**$273.99**	$18.09	2	$36.19	$8.04	43	$253.74	**$289.92**	**$15.94**	**5.8%**
44	$17.10	$34.20	$7.60	44	$247.39	**$281.59**	$18.09	2	$36.19	$8.04	44	$261.78	**$297.96**	**$16.38**	**5.8%**
45	$17.10	$34.20	$7.60	45	$254.99	**$289.19**	$18.09	2	$36.19	$8.04	45	$269.82	**$306.01**	**$16.82**	**5.8%**
46	$17.10	$34.20	$7.60	46	$262.59	**$296.79**	$18.09	2	$36.19	$8.04	46	$277.86	**$314.05**	**$17.26**	**5.8%**
47	$17.10	$34.20	$7.60	47	$270.19	**$304.39**	$18.09	2	$36.19	$8.04	47	$285.90	**$322.09**	**$17.70**	**5.8%**
48	$17.10	$34.20	$7.60	48	$277.79	**$311.99**	$18.09	2	$36.19	$8.04	48	$293.95	**$330.13**	**$18.15**	**5.8%**
49	$17.10	$34.20	$7.60	49	$285.39	**$319.59**	$18.09	2	$36.19	$8.04	49	$301.99	**$338.17**	**$18.59**	**5.8%**
50	$17.10	$34.20	$7.60	50	$292.99	**$327.19**	$18.09	2	$36.19	$8.04	50	$310.03	**$346.22**	**$19.03**	**5.8%**
51	$17.10	$34.20	$10.19	51	$303.18	**$337.38**	$18.09	2	$36.19	$10.78	51	$320.81	**$357.00**	**$19.62**	**5.8%**
52	$17.10	$34.20	$10.19	52	$313.37	**$347.57**	$18.09	2	$36.19	$10.78	52	$331.60	**$367.78**	**$20.21**	**5.8%**
53	$17.10	$34.20	$10.19	53	$323.56	**$357.76**	$18.09	2	$36.19	$10.78	53	$342.38	**$378.56**	**$20.81**	**5.8%**
54	$17.10	$34.20	$10.19	54	$333.75	**$367.95**	$18.09	2	$36.19	$10.78	54	$353.16	**$389.35**	**$21.40**	**5.8%**
55	$17.10	$34.20	$10.19	55	$343.94	**$378.14**	$18.09	2	$36.19	$10.78	55	$363.94	**$400.13**	**$21.99**	**5.8%**

Date: 3/28/2014

CVWD

PUBLIC NOTICE OF PROPOSED INCREASE IN WASTEWATER RATES AND CHARGES

Crescenta Valley Water District's Board of Directors is considering a recommendation for a proposed increase in wastewater rates and charges at a public hearing to be held on:

Tuesday, June 10th, 2014 at 6:00 pm
2700 Foothill Blvd, La Crescenta, CA 91214

THERE IS A NEED FOR A PROPOSED WASTEWATER RATES INCREASE

The City of Los Angeles provides for the treatment and disposal of wastewater from CVWD. In order to abide by on-going and new State and Federal regulations, the City of Los Angeles is continually upgrading their wastewater treatment plants and infrastructure.

CVWD's wastewater collection system, over time, has aged. CVWD must maintain a wastewater system that adheres to strict State and Federal regulations to remain in compliance with regulations. Increase in costs is a fundamental bi-product of this process.

Before even considering this wastewater rate increase, the District has reviewed all expenditures and the District and its employees are doing their part to reduce costs as part of their annual goals. Nevertheless, there are day-to-day operational costs that continue to rise.

CVWD's mission is to provide its customers with safe and reliable treatment and disposal of wastewater.

PROPOSED WASTEWATER RATE CHANGES

Under the proposal, rates will be increased in July 2014, and again in July 2015. Future rate adjustments will generally be made effective in July to coincide with the District's fiscal year budget cycle. The proposed rate adjustments are shown on the chart on reverse side of this notice.

CVWD charges each single family residence and multi-family unit a flat monthly wastewater rate. Commercial units are charged by the volume of water used during a monthly period. Schools are charged based on the average daily attendance of students.

- Under the proposal, wastewater rates for residential dwelling units will increase $**1.50 per month or $3.00 per bi-monthly period** (from **$32.25** to **$33.75** per month) starting on July 1, 2014 and will increase **$1.50 per month, or $3.00 per bi-monthly billing period (from $33.75 to $35.25 per month)** on July 1, 2015 to provide for the environmentally safe removal of sewage from residences. See chart on reverse side of this notice.
- CVWD offers a 10% rebate on the monthly wastewater charge if a single family residence uses 12 units of water or less during a bi-monthly billing period (1 unit = 1,000 gallons). In addition, CVWD offers a 20% senior low-income discount to qualified customers. Visit CVWD's website for more information on the senior low-income discount or contact the District office at (818) 248-3925.

Protest letters must be received by CVWD before 4:00 p.m. on Monday, June 9, 2014

Any CVWD customer or property owner within the CVWD wastewater service area may file a written protest of the proposed rate changes by sending a letter to: CVWD, 2700 Foothill Boulevard, La Crescenta, CA 91214. A valid protest letter must include your name, your CVWD service address, a statement of protest, and an original signature.

Protest letters will be tabulated and presented to the Board of Directors at a public hearing to be held on Tuesday, **June 10, 2014, at 6:00 p.m. at the CVWD main office.** Any CVWD customer or property owner may appear at the hearing to make comments regarding the proposed rate increase.

The Board of Directors may adopt, revise, or modify the rate increase as proposed upon conclusion of the Public Hearing. The Board may not increase wastewater water rates more than indicated in this notice.

The proposed wastewater rate chart is available for inspection at the District's main office at 2700 Foothill Boulevard, La Crescenta, CA 91214 between 8:00 a.m. and 4:30 p.m., Monday through Friday and on the District's website at www.cvwd.com. The District can assist with answering any questions about your bill. If you have questions or need additional information, please contact CVWD at **(818) 248-3925** or e-mail wastewater@cvwd.com.

Proposed Wastewater Rates for July 1, 2014 & July 1, 2015

Description	Current Rate	Proposed Rates 7/1/14	Proposed Rates 7/1/15
Residential (Single Family & Multi-Family)			
Residential Dwelling Units	$32.25	$33.75	$35.25
Commercial (COM)			
Commodity Charge ($/1,000 gal)	$5.30	$5.50	$5.70
Minimum Commodity Charge ($/Month)	$32.25	$33.75	$35.25
Customer Charge ($/Month)	$2.00	$2.10	$2.20
Schools (SCH)			
Primary School ($/Month/Daily Attendance)	$77.40	$81.00	$84.60
Secondary School ($/Month/Daily Attendance)	$154.90	$162.10	$169.30
Customer Charge ($/ Month)	$2.00	$2.10	$2.20

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No.2
April 1, 2014

To: Honorable President and Members of the Board of Directors

From: Ron L. Mitchell – Secretary-Treasurer

Subject: **Resolution No. 715**

ACTION ITEM:

Resolution No. 715 – Consideration and motion to adopt Resolution No. 715 authorizing the termination of the Valic 457 Deferred Compensation Plan.

BACKGROUND:

The District offers our employees the opportunity to participate in 457 Deferred Compensation Plans to augment their retirement income by contributing pre-tax dollars now for use later in life. Participation is strictly on a voluntary basis and the District does not make any contributions towards the employee's accounts.

The District currently offers four different programs the employees can choose, two of which have very limited participation. Presently, the District has one participant (a person who has been retired for over 20 years) in the Nationwide Financial 457 Plan, one participant (Dennis Erdman) in the Valic 457 Plan, and the remaining participants are divided between the CalPERS Deferred Compensation Plan (11 participants) and the FTJ Fund Choice Deferred Compensation Plan (9 participants).

Mr. Erdman would like to discontinue participation in the Valic Plan and transfer his assets to another program. He has been informed by Valic that as long as the Plan is active that it would cost him a 5% transfer fee to move his money, but if the Plan were to be terminated the transfer fee would be waived and he could move his money to another program without any charge. In order to accomplish terminating the Valic Plan, the Board must adopt Resolution No. 715 and send a copy of the Resolution to Valic. Per conversation with the Valic representative, this Resolution can be made effective retroactively to January 10, 2014.

RECOMMENDATION

Staff recommends that the Board adopt Resolution No. 715 terminating the District's participation in the Valic 457 Deferred Compensation Plan effective January 10, 2014.

Prepared by: Submitted by:

Ron Mitchell

Ron L. Mitchell
Secretary-Treasurer

Dennis Erdman

Dennis Erdman
General Manager

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RESOLUTION NO. 715

A RESOLUTION OF THE CRESCENTA VALLEY WATER DISTRICT AUTHORIZING DEFERRED COMPENSATION PLAN TERMINATION

WHEREAS, the governing body of the Crescenta Valley Water District established the Crescenta Valley Water District Deferred Compensation Plan (hereinafter "the Plan") effective December 6, 2004 for the exclusive benefit of its employees and their beneficiaries; and

WHEREAS, the governing body of the Crescenta Valley Water District hereby retains the right, from time to time, to amend, modify or discontinue all or any portion of said retirement plan without the consent of the employees participating in the Plan, or the beneficiaries of any employees participating in the Plan;

NOW, THEREFORE, BE IT RESOLVED, that the governing body of the Crescenta Valley Water District hereby resolves to exercise the right to terminate this Deferred Compensation Plan, effective January 10, 2014.

PASSED AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on April 1, 2014. Resolution No. 715 was adopted by the following vote:

AYES:	**Directors**	**Director**
		Director
		Director
		Director
		Director
NOES:	**Directors**	**None**

ATTEST:

President, Board of Directors
Crescenta Valley Water District

Secretary of the Board of Directors

information item

March 20 2014

Viewpoints

LETTERS TO THE EDITOR

Lesson in Cell Tower Technology
Congratulations to all who were successful in stopping the cell tower from being installed. Now would all those who know I retired from the telecommunications industry in 2002 stop complaining about the lousy and spotty service they get from AT&T Mobility? I am tired of hearing about it. You cannot have it both ways, folks. Just keep using those wired landlines. Sometimes I wish we had worse cellular service. Then maybe I would not see so many people with a cellphone glued to their ear while they are driving.

A few items to think about: First, if you hear any noise from the cell tower it is probably the power supply that converts the AC power to the DC power. I know for sure your hearing is not good enough to hear the 800-plus megahertz carrier frequencies. That little old 60 hertz hum will not harm you at all.

Now, did you know that you are dealing with a system where the received signal strength may be measured in micro-volts per meter? Think about it – micro-volts. Get out your decimal points and zeros. How much power do you think those transmitters have? They do not have to be a whole lot more powerful than the one you are holding in your hand up against your ear. That is why they are placed in small cells. Are you really that concerned about the radio frequency emissions? Do you have a Bluetooth head set in your ear? Do you have a wireless router (WiFi) in your home? Do you have the new wireless television system? Do you have cordless telephones? Those are all radio frequency devices. Just like a cellular system. Think about it. You are worried about RF emissions from the tower, yet you have your own cellular network right in your own home. Your favorite Starbucks and any place that offers WiFi service have it too. Many restaurants have it for their terminals that process your order. Just look at your cellphone and see how often it is asking you if you want to join a WiFi network. The strongest RF signal level you will ever be subjected to is when you put the cellphone to your ear or stick the Bluetooth headset in your ear.

Do yourselves a favor and learn about the system you hate. Learn what the transmitter powers are (watts). Learn about how much the signal strength diminishes for every 10 feet of distance. Buy a signal strength meter if you have enough money. Learn everything you can about these systems. Speak with intelligence and not emotion. It is a big job. I can barely keep up now that I do not have access to the manuals and experts.

Last note on RF power. Twenty-five watts at 146 megahertz can get from La Crescenta to San Diego. One hundred watts at 28 megahertz can cover the surrounding western states. That same 100 watts at 14 or seven megahertz can pretty well cover the globe. It is all in the frequencies used, antenna design and atmospheric conditions.
Tom Suter
La Crescenta

info item

Thursday, March 27, 2014

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CRESCENTA VALLEY
WEEKLY
THE FOOTHILLS COMMUNITY NEWSPAPER

LETTERS TO THE EDITOR

Posted by Robin Goldsworthy on Mar 27th, 2014 and filed under Viewpoints. You can follow any responses to this entry through the RSS 2.0. You can leave a response or trackback to this entry

Cellphone Towers: Emotion vs Common Sense
I read Tom Suter's letter to the editor [Viewpoints, March 20]. I retired in 1999 from AT&T. I knew Tom and later became a ham radio operator. He is right on; the people who take on these causes are very ignorant of the technology. I guess emotion has replaced common sense. I would hope that they don't complain about service on their ear-attached teddy bear.

Robert Perry
La Crescenta

WKZO

INFO ITEM

Long California drought could hit utility ratings, Fitch says

Friday, March 28, 2014 7:01 a.m. EDT

By Tim Reid

(Reuters) - A prolonged drought in California could lead to ratings downgrades on the state's water and public power utilities unless they show a willingness to raise prices, according to a report by Fitch Ratings.

"Ratings could eventually be pressured if the severity and duration of this drought were to result in sustained (more than one year) weakness in utility credit quality," Fitch said in a report on the California drought.

California is experiencing one of the worst droughts on record and Jerry Brown, its governor, has declared a state of emergency.

Fitch says water sales are expected to decline due to calls for conservation. Although water and public power utilities are in a strong operational and financial position for the next year, Fitch says, a sustained decline in margins or reserve levels due to the drought could pressure ratings.

An ability to raise rates will also be key if the drought persists, Fitch says. "A utility's ability and willingness to exercise its rate flexibility and recover lost revenues will be a key rating factor in assessing any impact on ratings," the report says.

(Reporting by Tim Reid; Editing by James Dalgleish)

/INFO ITEM

MEMORANDUM

TO:	FMWD RETAIL AGENCIES
FROM:	RICHARD W. ATWATER
SUBJECT:	MWD REPRESENTATIVE
DATE:	MARCH 25, 2014
CC:	FMWD BOARD OF DIRECTORS

The Foothill Municipal Water District Board, on Monday, received an e-mail that Jim Edwards resigned as Metropolitan Water District representative for the District effective April 1, 2014. The FMWD Board will be having a special meeting on Monday, March 31, 2014 to appoint a new representative.

On behalf of the Board, we appreciate Jim's 15 years of service representing FMWD at Metropolitan.

Sincerely,

Nina Jazmin for

Richard W. Atwater
FMWD Board of Directors, President

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

To: Honorable President and Members of the Board of Directors — March 18th, 2014
From: Christy J. Scott – Program Specialist
Subject: **Graywater Regulations**

Introduction:

Graywater, defined by the California Health and Safety Code (Section 17922.12a) is "untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes." The Code also specifies what household sources can provide grey water: bathtubs, showers, bathroom washbasins, clothes washing machines, and laundry tubs. Any wastewater coming from kitchen sinks or dishwashers cannot be classified as graywater in California.

Background:

On January 27, 2010, the State of California finalized the graywater regulations for Chapter 16A "Non-potable Water Reuse Systems" into the 2007 California Plumbing Code (CPC). The emergency graywater regulations were enacted to help residents of California conserve water by facilitating greater reuse of laundry, shower water, and similar sources for irrigation. In addition, by making compliance easy, the State hopes to reduce the number of non-compliant graywater systems. Graywater system must comply with the 2007 CPC and other codes enacted by your local municipality or water purveyor.

To date, LA County and the City of Glendale have simply adopted Chapter 16A without any further requirements for the use of Graywater in a residential setting. (Regulations Attached). Specifically, Appendix G, entitled "Graywater Systems" as well as Part I of Chapter 16A, subtitled "Graywater Systems", have been adopted by Cities and Counties throughout California. Whereas Appendix G establishes broad standards for the use of graywater plumbing systems, Part I of Chapter 16A establishes more specific standards that are applicable only to residential homes.

While Chapter 16A does provide a method to utilize graywater from clothes washer systems without a permit, it should be noted that graywater is only approved for use in sub-surface landscape irrigation systems AND with adherence to all the guidelines attached.

Rebates:

Graywater systems are currently not rebated by Metropolitan Water District of Southern California (MWD) or any of their member or retail agencies. There are a few agencies in northern California who are providing rebates for washing machine graywater systems. MWD did say that they would consider a Graywater trial program with funds from the monies allocated to FMWD during the next fiscal year. Staff will complete additional research on the feasibility of this program for CVWD.

Prepared by:

CJScott

Christy J. Scott,
Program Specialist

Submitted by:

Dennis A. Erdman, P.E.
General Manager

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CHAPTER 16A

NONPOTABLE WATER REUSE SYSTEMS

Part I

Intent

This part is applicable to occupancies under the authority of the Department of Housing and Community Development as specified in Section 108.2.1.1 and is intended to:

1. Conserve water by facilitating greater reuse of laundry, shower, lavatory and similar sources of discharge for irrigation and/or indoor use.

2. Reduce the number of non-compliant graywater systems by making legal compliance easily achievable.

3. Provide guidance for avoiding potentially unhealthful conditions.

4. Provide an alternative way to relieve stress on a private sewage disposal system by diverting the graywater.

1601*A*.0 Graywater Systems – General.

(A) Except as otherwise provided for in this chapter, the provisions of this code shall be applicable to gray water installation. *The provisions of this part shall apply to the construction, alteration, discharge, use, and repair of graywater systems. The graywater system shall not be connected to any potable water system without an air gap or other physical device which prevents backflow and shall not cause the ponding or runoff of graywater. A city, county, or city and county or other local government may, after a public hearing and enactment of an ordinance or resolution, further restrict or prohibit the use of graywater systems. For additional information, see Health and Safety Code Section 18941.7.*

(B) *The type of system shall be determined by the location, discharge capacity, soil type, and ground water level. The system shall be designed to handle graywater discharged from the building and may include tank(s) and other appurtenances necessary to ensure proper function of the system.*

> ***Note:*** *It is not the intent of this section to require that all graywater must be handled by an irrigation field or disposal field. It is acceptable for excess graywater to be diverted to the building sewer through the overflow required pursuant to Section 1609A.O (E).*

(C) No graywater system or part thereof shall be located on any lot other than the lot that is the site of the building or structure that discharges the graywater, nor shall any graywater system or part thereof be located at any point having less than the minimum distances indicated in Table 16*A*-1.

> ***Exception:*** *When there exists a lawfully recorded perpetual and exclusive covenant to an easement appurtenant and right-of-way between adjoining land-owners of two or more contiguous lots to discharge graywater from one lot to an adjoining lot.*

(D) No *construction* permit for any graywater system shall be issued until a plot plan with appropriate data satisfactory to the *Enforcing Agency* has been submitted and approved. When there is insufficient lot area or inappropriate soil conditions to *prevent the ponding or runoff* of the graywater, as determined by the *Enforcing Agency*, no graywater system shall be *allowed*.

> ***Exception:*** *A construction permit shall not be required for a clothes washer system which does not require cutting of the existing plumbing piping provided it is in compliance with Section 1603A.1.1.*

(E) *All graywater systems shall be designed to allow the user to direct the flow to either the irrigation or disposal field or the building sewer. The means of changing the direction of the graywater shall be clearly labeled and readily accessible to the user.*

(F) *Water used to wash diapers or similarly soiled or infectious garments or other prohibited contents shall be diverted by the user to the building sewer.*

(G) *Graywater shall not be used in spray irrigation, allowed to pond or runoff and shall not be discharged directly into or reach any storm sewer system or any surface body of water.*

(H) *Human contact with graywater or the soil irrigated by graywater shall be minimized and avoided, except as required to maintain the graywater system. The discharge point of any graywater irrigation or disposal field shall be covered by at least (2) inches (51 mm) of mulch, rock, or soil, or a solid shield to minimize the possibility of human contact.*

(I) *Graywater shall not be used to irrigate root crops or edible parts of food crops that touch the soil.*

1602*A*.0 Definitions.

Clothes Washer System. *A graywater system utilizing only a single domestic clothes washing machine in a one- or two-family dwelling.*

Complex System. *Graywater systems that discharge over 250 gallons (947 L) per day.*

Disposal Field. *An intended destination for graywater including but not limited to a mulch basin or receiving landscape feature, graywater leach field, or other approved method of disposal.*

Graywater. *Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines, and laundry tubs, but does not include wastewater from kitchen sinks or dishwashers.*

Graywater System. *A system designed to collect graywater and transport it out of the structure for distribution in an Irrigation or Disposal Field. A graywater system may include tanks, valves, filters, pumps or other appurtenances along with piping and receiving landscape.*

Irrigation Field. *An intended destination for graywater in the receiving landscape including but not limited to a drip irrigation system, mulch basin, or other approved method of dispersal for irrigation purposes.*

Mulch. *Organic waste material including but not limited to leaves, prunings, straw, pulled weeds and wood chips. Mulch shall be permeable enough to allow rapid infiltration of graywater.*

Mulch Basin. *A type of irrigation or disposal field filled with mulch or other approved permeable material of sufficient depth, length and width to prevent ponding or runoff. A mulch basin may include a basin around a tree, a trough along a row of plants or other shapes necessary for irrigation or disposal.*

Receiving Landscape. *Includes features such as soil, basins, swales, mulch, and plants.*

Simple System. *A graywater system serving a one- or two-family dwelling with a discharge of 250 gallons (947 L) per day or less. Simple systems exceed a clothes washer system.*

Treated Graywater. *Nonpotable water collected and treated on-site suitable for direct beneficial use.*

1603*A*.0 Permit.
A written construction permit shall be obtained from the Enforcing Agency prior to the erection, construction, reconstruction, installation, relocation or alteration of any graywater system that requires a permit.

> ***Exception:*** *A construction permit shall not be required for a clothes washer system which does not require cutting of the existing plumbing piping provided it is in compliance with Section 1603A.1.1.*

1603A.1 System Requirements.

1603A.1.1 Clothes Washer System. *A clothes washer system in compliance with all of the following is exempt from the construction permit specified in Section 108.4.1 and may be installed or altered without a construction permit:*

1. *If required, notification has been provided to the Enforcing Agency regarding the proposed location and installation of a graywater irrigation or disposal system.*

   Note: *A city, county, or city and county or other local government may, after a public hearing and enactment of an ordinance or resolution, further restrict or prohibit the use of graywater systems. For additional information, see Health and Safety Code Section 18941.7.*

2. *The design shall allow the user to direct the flow to the irrigation or disposal field or the building sewer. The direction control of the graywater shall be clearly labeled and readily accessible to the user.*

3. *The installation, change, alteration or repair of the system does not include a potable water connection or a pump and does not affect other building, plumbing, electrical or mechanical components including structural features, egress, fire-life safety, sanitation, potable water supply piping or accessibility.*

   Note: *The pump in a clothes washer shall not be considered part of the graywater system.*

4. *The graywater shall be contained on the site where it is generated.*

5. *Graywater shall be directed to and contained within an irrigation or disposal field.*

6. *Ponding or runoff is prohibited and shall be considered a nuisance.*

7. *Graywater may be released above the ground surface provided at least two (2) inches (51 mm) of mulch, rock, or soil, or a solid shield covers the release point. Other methods which provide equivalent separation are also acceptable.*

8. *Graywater systems shall be designed to minimize contact with humans and domestic pets.*

9. *Water used to wash diapers or similarly soiled or infectious garments shall not be used and shall be diverted to the building sewer.*

10. *Graywater shall not contain hazardous chemicals derived from activities such as cleaning car parts, washing greasy or oily rags, or disposing of waste solutions from home photo labs or similar hobbyist or home occupational activities.*

11. *Exemption from construction permit requirements of this code shall not be deemed to grant authorization for any graywater system to be installed in a manner that violates other provisions of this code or any other laws or ordinances of the Enforcing Agency.*

12. *An operation and maintenance manual shall be provided. Directions shall indicate the manual is to remain with the building throughout the life of the system and indicate that upon change of ownership or occupancy, the new owner or tenant shall be notified the structure contains a graywater system.*

1603A.1.2 Simple System. *Simple systems exceed a clothes washer system and shall comply with the following:*

1. The discharge capacity of a graywater system shall be determined by Section 1606A.0. Simple systems have a discharge capacity of 250 gallons (947 L) per day or less.

2. Simple systems shall require a construction permit, unless exempted from a construction permit by the Enforcing Agency. The Enforcing Agency shall consult with any public water system (as defined in Health and Safety Code, Section 116275) providing drinking water to the dwelling before allowing and exemption from a construction permit.

3. The design of simple systems shall be acceptable to the Enforcing Agency and shall meet generally accepted graywater system design criteria.

1603A.1.3 Complex System. *Any graywater system that is not a clothes washer system or simple system shall comply with the following:*

1. The discharge capacity of a graywater system shall be determined by Section 1606A.0. Complex systems have a discharge capacity over 250 gallons (947 L) per day.

2. Complex systems shall require a construction permit, unless exempted from a construction permit by the Enforcing Agency. The Enforcing Agency shall consult with any public water system (as defined in Health and Safety Code, Section 116275) providing drinking water to the dwelling before allowing and exemption from a construction permit.

3. A complex system shall be designed by a person who can demonstrate competence to the satisfaction of the Enforcing Agency.

Table 1603A.1.4 – Construction Permit Requirements

Type of System	***Permit Requirements***
Clothes Washer System	*No construction permit required if conditions in Section 1603A.1.1 are met.*
Simple System	*Permit and plans required unless exempted by Enforcing Agency.*
Complex System	*Permit and plans required unless exempted by Enforcing Agency.*
Treated Graywater	*Permit and plans required unless exempted by Enforcing Agency.*

1604*A*.0 Drawings and Specifications.
Graywater systems for which a construction permit is required may be subject to submittal of plans and details of the proposed graywater system necessary to ensure compliance with the requirements of this chapter. Identification of the groundwater level and soil absorption qualities at the site shall be included in the plans or provided to the Enforcing Agency.

Exception: *The Enforcing Agency may waive the requirement for identification of groundwater level and/or soil absorption qualities based on knowledge of local conditions.*

1604A.1 Groundwater Depth. *Verification of ground water levels which exceed three (3) vertical feet (915 mm) from the deepest irrigation or disposal point of the proposed graywater system shall not be required.*

> ***Note:*** *The absence of groundwater in a test hole three (3) vertical feet (915 mm) below the deepest irrigation or disposal point shall be sufficient to satisfy this section unless seasonal high groundwater levels have been documented to rise to within this area.*

1605*A*.0 Inspection and Testing.
(A) Inspection. *A graywater system for which a construction permit is required shall be subject to inspection by the Enforcing Agency and such construction or work shall remain accessible and exposed for inspection purposes until approved.*

At the time of final inspection, an operation and maintenance manual shall be provided. Directions shall indicate the manual is to remain with the building throughout the life of the system and upon change of ownership, the new owner shall be notified the structure contains a graywater system

(B) Testing.

(1) Tanks shall be filled with water to the overflow line prior to and during inspection. Seams and joints shall be left exposed, and the tank shall remain watertight.

(2) A flow test shall be performed through the system to the point of graywater *irrigation or disposal.* Lines and components shall be watertight.

1606*A*.0 Procedure for Estimating Graywater Discharge.
(A) Single Family Dwellings and Multi-Family Dwellings. The graywater discharge for single family and multi-family dwellings shall be calculated by *estimates of graywater use based on* water use records, calculations of local daily per person interior water use, or the following procedure:

1. The number of occupants of each dwelling unit shall be calculated as follows:

First Bedroom	2 occupants
Each additional bedroom	1 occupant

2. The estimated graywater flows of each occupant shall be calculated as follows:

Showers, bathtubs and wash basins	25 GPD (95 LPD)/occupant
Laundry	15 GPD (57 LPD)/occupant

3. The total number of occupants shall be multiplied by the applicable estimated graywater discharge as provided above and the type of fixtures connected to the graywater system.

(B) Daily Discharge – Graywater systems *using tanks* shall be designed to *minimize the amount of time graywater is held in the tank and shall be sized to* distribute the total amount of estimated graywater on a daily basis.

> ***Exception:*** *Treated graywater systems when approved by the Enforcing Agency.*

1607*A*.0 Required Area of Irrigation or Disposal Fields. *Irrigation or disposal fields may have one or more valved zones. Each zone must be of adequate size to receive the graywater anticipated in that zone. No irrigation or disposal field shall extend within three (3) vertical feet (915 mm) of the highest known seasonal groundwater, or to a depth where graywater contaminates the groundwater, ocean water or surface water. The applicant shall supply evidence of groundwater depth to the satisfaction of the Enforcing Agency.*

> ***Note:*** *The absence of groundwater in a test hole three (3) vertical feet (915 mm) below the deepest irrigation or disposal point shall be sufficient to satisfy this section unless seasonal high groundwater levels have been documented to rise to within this area.*

1608*A*.0 Determination of Maximum Absorption Capacity.

(A) Wherever practicable, *irrigation or disposal* field size shall be computed from Table 16*A*-2.

(B) In order to determine the absorption quantities of questionable soils other than those listed in Table 16*A*-2, the proposed site may be subjected to percolation tests acceptable to the *Enforcing Agency*.

Exception: *Irrigation fields in compliance with Section 1611A.2, which only utilize drip type emitters.*

(C) When a percolation test is required, no graywater system shall be permitted if the test shows the absorption capacity of the soil is *unable to accommodate the intended discharge of the proposed graywater system.*

Exception: *The Enforcing Agency may waive the requirement for percolation tests based on knowledge of local conditions or accept other testing methods.*

1609*A*.0 Tank Construction.

(A) *When system design includes a tank, specifications for the tank shall be* submitted to the *Enforcing Agency* for approval. Such plans shall show all dimensions and other pertinent data.

(B) *Tanks* shall be constructed of solid, durable materials not subject to excessive corrosion or decay and shall be water-tight.

(C) Each tank shall be vented as required by Chapter 9 of this code, shall *be sealed against vermin and mosquitoes, and have an* access opening to allow for inspection and cleaning.

(D) Each tank shall have its rated capacity permanently marked on the unit. In addition, a sign stating "GRAYWATER IRRIGATION SYSTEM, *CAUTION* — UNSAFE WATER" shall be permanently marked on the holding tank.

(E) Each tank shall have an *overflow drain*. The overflow drain shall have a permanent connection to the building drain or building sewer, upstream of septic tanks, if any. The overflow drain shall not be equipped with a shutoff valve.

(F) The overflow *drain* shall not be less in size than the inlet pipe. The vent size shall be determined based on the total graywater fixture units as outlined in Table 7-5 of this code. Unions or equally effective fittings shall be provided for all piping connected to the holding tank.

(G) Each tank shall be structurally designed to withstand all anticipated earth or other loads. *Tank* covers shall be capable of supporting an earth load of not less than three hundred (300) pounds per square foot (1,464.7 kg/m^2) when the tank is *used* for underground installation.

(H) *The overflow* system must be designed so that the tank overflow will gravity drain to the existing sewer line or septic tank. The tank shall be protected against sewer line backflow by a backwater valve.

(I) *An overflow drain and backwater valve is not required on a clothes washer system.*

1610*A*.0 Graywater Systems.

Graywater systems shall comply with Sections 1610*A*.1 through *1610A.3.*

1610*A*.1 Pipe Materials. Graywater pipe, valves and fittings shall conform to the requirements of Sections 604.0, 605.0 and 606.0.

1610*A*.2 Identification. *Graywater distribution piping upstream of any connection to an irrigation or disposal field or a distribution valve shall be identified with the words "CAUTION: NONPOTABLE WATER, DO NOT DRINK." Marking shall be at intervals not to exceed five (5) feet (1,524 mm).*

1610*A*.3 Valves. All valves shall be accessible. A backwater valve installed pursuant to this code shall be provided on all tank drain connections to the sanitary drain or sewer piping.

1611*A*.0 Irrigation, Disposal Field *and Mulch Basin* Construction.
Irrigation fields, disposal fields and mulch basins used in graywater systems shall comply with this section. Graywater systems may contain either a irrigation field or a disposal field or a combination of both. This section is not intended to prevent the use of other methods of graywater irrigation or disposal approved by the Enforcing Agency.

1611A.1 Mulch Basin *A mulch basin may be used as an irrigation or disposal field. Mulch basins shall be sized in accordance with Table 16A-2 and of sufficient depth, length and width to prevent ponding or runoff during the graywater surge of a clothes washer, bathtub or shower. Mulch must be replenished as required due to decomposition of organic matter. Mulch basins will require periodic maintenance, reshaping or removal of dirt to maintain surge capacity and to accommodate plant growth and prevent ponding or runoff,*

1611A.2 Irrigation Field. *The provisions of this section are not intended to prevent the use of any appropriate material, appliance, installation, device, design or method of construction. If an alternate design is not available, the following provisions may be used as guidance in the design of a graywater irrigation field:*

(1)Filters used in graywater irrigation systems shall be as specified by the manufacturer's installation instructions for the design flow rate and intended use. The filter backwash and flush discharge shall be contained and disposed of into the building sewer system, septic tank or, with approval of the Enforcing Agency, a separate mini-leachfield sized to accept all the backwash and flush discharge water. Filter backwash water and flush water shall not be used for any purpose. Sanitary procedures shall be followed when handling filter backwash and flush discharge or graywater.

(2) Emitters shall be designed to resist root intrusion and shall be of a design recommended by the manufacturer for the intended graywater flow and use. For emitter ratings, refer to Irrigation Equipment Performance Report, Drip Emitters and Micro-Sprinklers, Center for Irrigation Technology, California State University, 5730 N. Chestnut Avenue, Fresno, California 93740-0018.

(3) Each irrigation zone shall be designed to include no less than the number of emitters specified in Table 16A-3, or through a procedure designated by the Enforcing Agency. Minimum spacing between emitters is in any direction shall be sufficient to prevent surfacing or runoff.

(4) The system design shall provide user controls, such as valves, switches, timers and other controllers, as appropriate, to rotate the distribution of graywater between irrigation zones.

(5) All drip irrigation supply lines shall be polyethylene tubing or PVC Class 200 pipe or better and Schedule 40 fittings. All joints shall be properly solvent-cemented, inspected and pressure tested at 40 psi (276 kPa), and shown to be drip tight for five minutes, before burial. All supply piping shall be covered to a minimum depth of two (2) inches (51 mm) of mulch or soil. Drip feeder lines can be poly or flexible PVC tubing and shall be covered to a minimum depth of two (2) inches (51 mm) of mulch or soil.

(6) Where pressure at the discharge side of the pump exceeds 20 psi (138 kPa), a pressure-reducing valve able to maintain downstream pressure no greater than 20 psi (138 kPa) shall be installed downstream from the pump and before any emission device.

(7) Each irrigation zone shall include a flush valve/antisiphon valve to prevent back siphonage of water and soil.

1611A.3 Disposal Field. *The provisions of this section are not intended to prevent the use of any appropriate material, appliance, installation, device, design or method of construction. If an alternate design is not available the following provisions may be used as guidance in the design of a graywater disposal field:*

(A) *Disposal systems* shall be not less than three (3) inches (80 mm) in *cross sectional dimension* and shall be constructed of perforated high-density polyethylene pipe, perforated ABS pipe, perforated PVC pipe, *leaching chambers* or other approved materials, provided that sufficient openings are available for distribution of the graywater into the trench area. Material, construction, and perforation shall be in compliance with the appropriate absorption fields drainage standards and shall be approved by the *Enforcing Agency*.

(B) Filter material, clean stone, gravel, slag, or similar filter material acceptable to the *Enforcing Agency*, varying in size from three-quarter (3/4) inch (19.1 mm) to two and one-half (2-1/2) inches (64 mm) shall be placed in the trench to the depth and grade required by this section. The perforated section shall be laid on the filter material in an approved manner. The perforated section shall then be covered with filter material to the minimum depth required by this section. The filter material shall then be covered with untreated building paper, straw, or similar porous material to prevent closure of voids with earth backfill. No earth backfill shall be placed over the filter material cover until after inspection and acceptance.

Exception. *Manufactured leaching chambers shall be installed in compliance with the manufacturer's installation instructions.*

(C) *Disposal* fields shall be constructed as follows:

(See chart below)

	Minimum	**Maximum**
Number of drain lines per valved zone[1]	1	—
Length of each perforated line[1]	—	100 ft. (30,840 mm)
Bottom width of trench[1]	12 in. (305 mm)	*24 in. (610 mm)*
Spacing of lines, center to center[1]	4 ft. (1219 mm)	—
Depth of earth cover of lines	*2 in. (51 mm)*	—
Depth of filter material cover of lines	2 in. (51 mm)	—
Depth of filter material beneath lines[1]	3 in. (76 mm)	—
Grade of perforated lines	level	3 in./100 ft. (2 mm/m)

[1] *Manufactured leaching chambers shall be installed in compliance with the manufacturer's installation instructions.*

(D) When necessary on sloping ground to prevent excessive line slopes, disposal lines shall be stepped *or installed on the contour lines of the slope.* The lines between each horizontal leaching section shall be made with approved water-tight joints and installed on natural or unfilled ground.

1612*A*.0 Special Provisions

(A) Other collection and distribution systems shall be permitted by the local *Enforcing Agency*, as allowed by Section *108.7* of this code.

(B) Nothing contained in this chapter shall be construed to prevent *a city, county, or city and county or other local government from, after a public hearing and enactment of an ordinance or resolution, further restricting or prohibiting the use of graywater systems. For additional information, see Health and Safety Code Section 18941.7.*

(C) *Graywater stub-out plumbing may be allowed for future connection prior to the installation of irrigation lines and landscaping. Stub-out shall be permanently marked "GRAYWATER STUB-OUT, CAUTION --- UNSAFE WATER".*

Table 16A -1 Location of Graywater System

Minimum Horizontal Distance Required From:	*Tank*	*Irrigation Field*	*Disposal Field*
	Feet/mm	*Feet/mm*	*Feet/mm*
Building structures[1]	*5 (1,524 mm)*[2]	*2 (610 mm)*	*5 (1,524 mm)*
Property line adjoining private property	*5 (1,524 mm)*	*1.5 feet (458 mm)*	*5 (1,524 mm)*
Water supply wells[3]	*50 (15,240 mm)*	*100 (30,480 mm)*	*100 (30,480 mm)*
Streams and lakes[3]	*50 (15,240 mm)*	*100 (30,480 mm)*[4,5]	*100 (30,480 mm)*[4]
Sewage pits or cesspools	*5 (1,524 mm)*	*5 (1,524 mm)*	*5 (1,524 mm)*
Sewage disposal field	*5 (1,524 mm)*	*4 (1,219 mm)*[6]	*4 (1,219 mm)*[6]
Septic tank	*0 (0)*	*5 (1,524 mm)*	*5 (1,524 mm)*
Onsite domestic water service line	*5 (1,524 mm)*	*0 (0 mm)*	*0 (0 mm)*
Pressurized public water main	*10 (3,048 mm)*	*10 (3,048 mm)*[7]	*10 (3,048 mm)*[7]

[1] Building structures does not include porches and steps, whether covered or uncovered, breezeways, roofed porte cocheres, roofed patios, carports, covered walks, covered driveways, and similar structures or appurtenances.

[2] Underground tanks shall not be located within a 45 degree angle from the bottom of the foundation, or they shall be designed to address the surcharge imposed by the structure. The distance may be reduced to six (6) inches (153 mm) for aboveground tanks when first approved by the Enforcing Agency.

[3] Where special hazards are involved, the distance required shall be increased as directed by the Enforcing Agency.

[4] These minimum clear horizontal distances shall also apply between the irrigation or disposal field and the ocean mean higher hightide line.

[5] The minimum horizontal distance may be reduced to 50 feet (15,240 mm) for irrigation fields utilizing graywater which has been filtered prior to entering the distribution piping.

[6] Plus two (2) feet (610 mm) for each additional foot of depth in excess of one (1) foot (305 mm) below the bottom of the drain line.

[7] For parallel construction or crossings, approval by the Enforcing Agency shall be required.

Table 16A-2 Design Criteria of Six Typical Soils

Type of Soil	***Square Feet***	***Gallons***	***Square Meters***	***Liters***
	Minimum square feet of irrigation/leaching area per 100 gallons of estimated graywater discharge per day	***Maximum absorption capacity in gallons per square foot of irrigation/leaching area for a 24-hour period***	***Minimum square meters of irrigation/leaching area per liter of estimated graywater discharge per day***	***Maximum absorption capacity in liters per square meter of irrigation/leaching area for a 24-hour period***
Coarse sand or gravel	*20*	*5.0*	*0.005*	*203.7*
Fine sand	*25*	*4.0*	*0.006*	*162.9*
Sandy loam	*40*	*2.5*	*0.010*	*101.8*
Sandy clay	*60*	*1.7*	*0.015*	*69.2*
Clay with considerable sand or gravel	*90*	*1.1*	*0.022*	*44.8*
Clay with small amounts of sand or gravel	*120*	*0.8*	*0.030*	*32.6*

Table 16A-3 Subsurface Drip Design Criteria of Six Typical Soils

Type of Soil	*Maximum emitter discharge (gal/day)*	*Minimum number of emitters per gpd of graywater production*
1.Sand	*1.8*	*0.6*
2.Sandy loam	*1.4*	*0.7*
3.Loam	*1.2*	*0.9*
4.Clay loam	*0.9*	*1.1*
5.Silty clay	*0.6*	*1.6*
6.Clay	*0.5*	*2.0*

Use the daily graywater flow calculated in Section 1606A.0 to determine the number of emitters per line.

1612A.1 Indoor Use of Treated Graywater.
Graywater shall not be allowed for indoor use, such as flushing toilets and urinals, unless treated by an on-site water treatment system approved by the Enforcing Agency. For the purposes of this section, graywater treated by an on-site water treatment system shall be considered "Treated Graywater". Treated graywater and treated graywater systems shall comply with the provisions of this code except as otherwise provided in this chapter and all of the following:

(1) The treated graywater shall have a separate tank sized to minimize the length of time it is retained.

(2) A maintenance and operation manual for the treatment system shall be kept at the location of the system.

(3) Treated graywater intended for use indoors shall meet the California Department of Public Health statewide uniform criteria for disinfected tertiary recycled water as provided in California Code of Regulations, Title 22 Section 60301.230.

(4) The treated graywater system shall be installed, inspected and tested as specified for reclaimed water systems in Sections 1618.0 and 1620.0.

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922 and 19990.

Reference: Health and Safety Code Sections 17922.12 and 18941.7.

CRESCENTA VALLEY WATER DISTRICT
BOARD OF DIRECTORS - STAFF REPORT

To: Honorable President and Members of the Board of Directors — March 18, 2014
From: Christy J. Scott
Subject: **Discussion of the Water Conservation Alert System**

BACKGROUND:

On Friday, January 17th, Governor Brown declared a statewide drought emergency and asked all Californians to reduce their water use by 20 percent. On Tuesday, January 21st, the FMWD agencies met and discussed the current water conservation alert status. At their Tuesday, January 21st Board meetings, the CVWD and FMWD Board of Directors approved to move their respective districts' alert status from "Blue Alert" to "Green Alert" status.

The District is currently operating in Color Code "Green", which is the Increased Voluntary Conservation Alert. For your review, the water conservation alert stages are attached.

UDPATE:

At the end of January, the State Water Project Allocation was reduced to "0", the first time in its 54-year history. The 'zero allotment' policy will be revaluated on a month-to-month basis and the amount of available water could be increased with additional rain and snow.

Metropolitan Water District of Southern California (MWD) and Southern California agencies and businesses have accomplished substantial savings through conservation with an estimated 900,000 acre feet of water conserved over the past 20 years, enough water for 1.8 million families for an entire year. That coupled with the $10 billion dollars in regional capital projects such as Diamond Valley Lake and local reliability projects such as the Ground Water Replenishment System places Southern California in a better position than other areas of the state. Still, MWD will be drawing reserves from groundwater banks in the San Joaquin Valley, fallowing farmland in the Palo Verde Valley, and drawing from local reservoirs such as Diamond Valley Lake. This year MWD expects to withdraw 1 million acre feet out of its available 2.4 million acre feet of storage.

On Tuesday, March 4th, 2014 the Quad Cities Conservation Group, since renamed the Water Efficiency Team (WET), met in Glendale. Representatives from Glendale Water and Power, Burbank Water and Power, CVWD, Foothill Municipal Water District, Pasadena Water and Power, and the City of South Pasadena were in attendance. The group discussed unified messaging, classes, and advertisement campaigns. All of the attendees are currently in voluntary conservation. None of the attendees felt that their respective governing bodies would be leaning towards mandatory conservation until such time that MWD invokes an allocation or the Governor calls for mandatory conservation.

MWD has informed member agencies that it will not consider an allocation until April of 2015 unless the Governor calls for mandatory conservation.

Conclusion:

Staff will continue to assess the District's overall water supply picture and which level of conservation alert is necessary. The WET group will meet again in April, after the review date for the State Water Project Allocation, to discuss each agency's decisions regarding conservation planning and messaging. Should the Governor declare mandatory conservation and MWD impose an allocation, the District will move to "Orange Alert" upon the approval of the General Manager, as stated in the adopted in the Policy. It should be noted that following the substantial decrease in water sales during the last MWD allocation, the Board changed the water conservation alert status "Orange Alert" to allow for watering 3-days per week instead of 2-Days per week as it was originally written.

Prepared by:

Christy J. Scott,
Program Specialist

Submitted by:

Dennis Erdman
General Manager

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BE IT FURTHER RESOLVED, Crescenta Valley Water District urges the following water usage to all of its customers:

1. To reduce the amount of turf and install new drought tolerant landscaping, low-water using trees and plants, and efficient irrigation systems including but not limited to ET controllers, drip irrigation, and "high efficiency sprinkler heads".
2. To wash only full loads of dishes or clothes in automatic washers, and do not allow indoor faucets to run continuously.
3. To turn water system off when leaving property unoccupied for an extended period of time.
4. To use covers to minimize the evaporation of water from outdoor swimming pools, wading pools or spas when they are not in use.

WATER CONSERVATION ALERT SYSTEM

When a water conservation alert system is implemented by direction of the General Manager, the following measures to reduce water consumption will be required for all water users within CVWD.

a. Color Code **"Blue"** is defined as the Normal Water Conservation Alert, Foothill Municipal Water District can meet all Member Agency demands. Standard water conservation applies as defined in Appendix G of the Rules and Regulations.

b. Color Code **"Green"** is defined as an Increased Voluntary Conservation Alert, some supplies have been impacted and customers should increase efforts to conserve by following strict water conservation practices indoors and limiting outdoor water use to odd or even days, based on ending number of customer address.

c. Color Code "Yellow" is defined as an Extraordinary Conservation Alert, when Metropolitan Water District of Southern California is pulling water from most of its storage programs to meet demands. Extraordinary conservation is called for from customers. Customers are requested to minimize indoor water use and water outdoors no more than three (3) days per week. Outdoor irrigation will be permitted only on Tuesday, Thursday, and Saturday.

d. Color Code **"Orange"** is defined as a Rationing Conservation Alert, when Metropolitan Water District of Southern California has implemented its allocation plan to its member agencies. Customers are requested to minimize indoor water use and severely limit outdoor water use as follows:

   1. Residential and commercial landscape irrigation is limited to no more than two (2) days per week. Outdoor irrigation will be permitted only on Tuesday and Saturday. Watering limits are seven (7) minutes per watering station.

      Exemption: Public use areas owned and/or operated by School Districts are exempt from watering days, and public use areas greater than 4,000 square feet are exempt from watering days so long as best management practices are applied by all.

   2. The filling, refilling or adding of water to indoor and outdoor pools, wading pools, or spas is prohibited. Exemptions: Commercial Repairs mandated by the Federal Virginia Graeme Baker Act, or adding water for the prevention of equipment failure is permissible, however, the District strongly urges that a cover be used to prevent evaporation and thereby reducing the frequency of refilling.

   3. The use of water to clean, maintain, fill, or refill decorative fountains or similar structures is prohibited. Exemptions: Adding water for the prevention of equipment failure is permissible.

4. Vehicle washing is restricted to the use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle.

5. Fix leaks within 48 hours.

e. Color Code **"Red"** is defined as a <u>Critical Water Conservation Alert</u>, when water supplies are only available for health and safety needs. Customers are required to minimize indoor water use and curtail <u>all outdoor water use</u>. Fix any leaks within 24 hours.

Notification of the Water Conservation Alert System status on any given day shall be visibly posted at the exterior of the District's Administration Office (2700 Foothill Blvd., La Crescenta) and other accessible locations throughout the District service area where allowed. At least one direct mailing shall be made to all water customer accounts, with notification and explanation of the alert system. Newspaper coverage will also be used to disseminate alert system status and water conservation updates.