



CRESCENTA VALLEY WATER DISTRICT



FY 2016 – 2017

BUDGET

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CRESCENTA VALLEY WATER DISTRICT

Fiscal Year 2016-2017 Water Budget Executive Summary

Presented herein is the Crescenta Valley Water District's (CVWD) Fiscal Year 2016-17 Water Budget for consideration by the Board of Directors (Board). The following paragraphs describe the key elements significantly changed from previous years and assumptions that were a part of the budget development process. The budget proposed for CVWD water operations for FY 2016-17 is guided by the discussion and direction set by the Board in the spring of 2016, with the review and comments from the Finance and Engineering Committees. The Budget is based on continuation of long term initiatives to maintain system reliability and effectively manage available water resources. The Budget includes funds to continue emphasis on preventive maintenance programs that have been deferred in recent years, continue with a meter replacement program designed to meet AWWA standards, establish a priority list of necessary capital projects, and projects to improve and maintain local well production to reduce the amount of imported water purchased. Construction is complete on the Rockhaven Well project with State funding as a drought mitigation measure. New treatment facilities for Well No. 2 are being designed and scheduled for construction in FY 2016-17.

The severe drought and the Governor's executive order mandating water conservation have resulted in a significant reduction of water sales revenue in FY 2015-16. The statewide water supply has slightly improved with the winter storms and local precipitation is greater than the previous two years, but still below average precipitation. The State has relaxed mandatory water conservations targets and CVWD has also reduced the water conservation alert level. Water sales projections for the FY 2016-17 water budget represent a 5% increase over FY 2015-16 water sales to reflect the current water conservation alert status. Budgeted operating expenses have been reduced for the third consecutive year.

Some portions of CVWD's water distribution system are over 50 years old and are approaching, or have already reached, the end of their useful lives. The pipes, wells, pumping plants, reservoirs, and other infrastructure necessary to provide safe, clean water gets old, wears out, and must be replaced before they fail. This is especially true in a hillside community like La Crescenta where, in addition to the loss of water, the consequential damages to surrounding property owners resulting from a large water line failures could amount to millions of dollars.

CVWD has evaluated and identified certain facilities requiring rehabilitation or replacement and prioritized improvement projects based on criticality to reliable water system operation and risk of failure. The prioritized improvement projects are planned for implementation over several years at an expenditure amount of \$2.8 million per year.

Declining water sales combined with increasing infrastructure replacement cost has necessitated the use of rate stabilization reserves to mitigate customer rate impacts. In addition inter-fund loans from the MTBE reserve fund have been used to maintain the water reserve fund above the targeted reserve amount.

- Fiscal Year 2016-2017 Management Goals:
 - Develop a long-term strategic plan
 - Continue evaluation of all infrastructure facilities to identify and prioritize critical rehabilitation or replacement needs. Develop a Ten-Year Capital Improvement Plan
 - Evaluate organizational structure and staff resource needs including succession planning
- Fiscal Year 2016-2017 Budget and Management Goals:
 - Monitor water conservation performance, water sales revenue and adjust budgeted expenditures accordingly to maintain water fund reserves within budgeted amounts.

- Continuation of prudent activities for operations and maintenance at a moderate level and keep close control of general administrative expenses.
- Continue with the implementation of a meter replacement program over the next 2 years to replace meters over 20 years of age with new meters that can read low levels of consumption (low flows), to reduce the revenue lost to meters that do not accurately record usage.
- Maintain appropriate staffing levels. Evaluate vacancies on a case by case basis.
- Continue Capital Improvement Projects to improve the District's infrastructure in a "pay-as-you-go" funding method.
- Maintain water fund reserve levels per CVWD's policy guidelines.
- Continue to upgrade the District's ability to respond to emergencies and enhance reliability.
- Continued cost containment and improved financial reporting.

Revenue Projections:

- Projected water sales for FY 2016-17 are estimated to be 3,700 acre feet (AF) less shrinkage. This is 3.8% less than the FY 2015-16 budgeted water sales (3,845 AF). Actual water sales in FY 2015-16 are projected to be 3,490 AF. FY 2016-17 revenue is projected at \$9,200,000 from water sales and meter charges.
- Groundwater production has declined an average of 14% per year since 2011 due to below average precipitation. CVWD's goal each water year is to meet its adjudicated rights of 3,294 AF/yr. However, this will not be possible to achieve in FY 2016-17 due to low groundwater levels in the Verdugo Basin. The newly constructed well at the Rockhaven site is projected to increase total groundwater production by 28%. Also a new treatment system for Well No. 2 is being developed to re-activate this well within the next 18 months. These projects will help CVWD to increase groundwater production. However, if local precipitation remains below normal, groundwater production will be adversely impacted.
- Projected interest income is budgeted at \$240,000 from the water and MTBE reserve funds.
- Other projected sources of revenue include developer/connection fees, late fees, fire service, meter charges, flooding meters, fire hydrant testing, and other miscellaneous sources totaling \$183,000.
- Grant revenue, which is used to fund capital improvement projects, is projected at \$1,150,000. This amount includes \$700,000 in grant revenue which was expected in FY 2015-16.

Expense Projections:

Water operational expense projection for FY 2016-17 is \$8,045,000 which is \$180,000 less than the prior year. This number does not include \$2,800,000 for Capital Improvement Projects (CIP). Total budgeted expenses including CIP are \$550,000 less than the prior years budgeted expenses.

Expense for Purchased Water:

- CVWD will continue to work towards its goal to improve the yield of local water produced from the Verdugo Groundwater Basin; however, it will depend on the rainfall amount in the winter of 2016-17.
- CVWD is projecting a 24% decrease in the quantity of purchased water from FMWD for FY 2016-17, which is due to additional groundwater production from Well 16. Purchased water expense for FMWD is projected to decrease by \$346,000. The expense reduction is partially offset by water purchased from Glendale for Well 16 projected at \$231,000 resulting in a net water purchase expense reduction of \$115,000.
- For FY 2016-17, FMWD's operations costs are increasing by 7.7% and FMWD's CIP cost are remaining the same. In January 2017, MWD will increase the cost for treated water by 4% to \$942 per AF.
- CVWD purchased 45% of its overall water supply from FMWD in FY 2015-16 and is projecting to purchase 32% of its overall water supply from FMWD in FY 2016-17.

- A detailed breakdown of FWMD costs are shown in Appendix A - FMWD Cost Analysis.

Compensation and Benefits:

Compensation and benefits is the most costly item in the budget. The total cost for compensation and benefits is projected to be \$2,957,000. To prepare the compensation and benefits portion of the FY 2016-17 Budget, staff made the following assumptions:

- Labor:
 - A cost of living adjustment (COLA) of 2.07% per Memorandum of Understanding with Local 1902, AFSCME
 - Step increases for eligible employees only
 - Superintendent position filled
- Annual Payroll Taxes:
 - State Unemployment/SUI 2.4% of the first \$7,000 per employee
 - Social Security/Medicare 7.65% of earnings
- CalPERS contribution:
 - Rate increased based on the District's annual actuarial valuation report provided by CalPERS
 - New employees hired after January 1, 2013 pay their employee's share beginning on July 1, 2014 per State law.
- Workers' Compensation:
 - Modification factor increased from 2.43 to 2.5 based on ACWA/JPIA calculations
- Group Insurance:
 - Health/Dental 2.0% decrease in District portion of costs
 - Vision 0.0% increase
 - Self-Insurance No change from prior year

Water Operations:

Water operations consist of the maintenance of the water production, treatment, storage, and distribution systems and include the water delivery, infrastructure of wells, treatment plants, mains, pumps, reservoirs, meters, and appurtenant structures.

- CVWD's utility workers and system operators keep the water flowing to District customers while ensuring regulatory compliance. CVWD's superintendent of operations and 12 staff members work in direct support of this mission.
- In FY 2015-16, CVWD water distribution maintenance crews performed the following repairs, replacements, installation, and maintenance:
 - Repaired 17 water main leaks, which was more than the 12 leaks in FY 2014-15.
 - Water service laterals – Replacement
 - 93 water service laterals due to leaks from failure of old pipe or improper backfill
 - 12 water service laterals as part of the water meter replacement program
 - 7 water service laterals were replaced using a horizontal boring machine, which eliminated the need to replace AC pavement and thereby reducing the overall costs.
 - Installed 7 new meter services (D-jobs)
 - Installed or upgraded 9 fire hydrants
 - Exercised 880 or 42% of the system valves in FY 2015-16
 - Replaced 1 – 2" meters that were older than 15 years
 - Valve replacement on the 5400 Block of Ocean View; 5200 Block of Vista Del Arroyo and the intersection on New York & Markridge
 - Clean 1000 +/- meter boxes
 - Replaced 1000 +/- water meters with new IPerl meters

- The Water Operation and Distribution System budget for FY 2016-17 is \$1,369,000, which is a decrease of 11% from the budgeted FY 2015-16. Staff included in the budget the continuation of water service replacements, which is a part of the water meter replacement.
- Staff and field crews plan to continue with the meter replacement program. FY 2016-17 will be the 4th year of the program and 1,000 meters are planned to be replaced.
- The cost of electrical power needed to operate the wells and booster pump systems increased in FY 2015-16 due to rate increase from both Southern California Edison (SCE) and Glendale Water and Power (GWP). Electrical power costs are projected to increase by 3.0% in FY 2016-17 primarily due to anticipated electrical rate increases and increased groundwater pumping from Well 16.
- Staff will be making a concerted effort in FY 2016-17 to contain or reduce other operational costs as much as possible in order to minimize the overall impact to the budget as this relates to reduced water demand and revenue.
- CVWD plans on continuing with increased annual maintenance of the water distribution system such as exercising of water valves, fire hydrant maintenance, water flushing for water quality, water valve replacement, and leak detection. Also, CVWD will continue its effort with emergency services to replace leaking laterals, mains, and meters as funds and man power allow.

Capital Outlay & Equipment:

Capital outlay planned for FY 2016-17 includes the continuation of upgrades to CVWD's computer network system and site security, and an evaluation and masterplan for the main office building.

Water Conservation:

Water Conservation has, and will continue to be, an element of CVWD's budget. Staff efforts will continue in conjunction with MWD and the California Urban Water Conservation Council in implementing its water conservation and customer rebate programs and implementing best management practices. The District is on target to exceed its water reduction goals set as forth by state law for 2020. The District and customers conservation efforts also exceeded the water conservation objective mandated by the State in 2015.

- CVWD's goal is to continue with educating the public and promoting water use efficiency.
- CVWD's water conservation efforts, complemented by the Governors Drought Declaration and extensive media coverage of the California drought have resulted in a 13% reduction in water use in FY 2015-16 compared to the prior year. CVWD's proactive water conservation initiatives and prior year's expenditures have resulted in a declining water use trend that enabled CVWD to exceed the State mandated target of 24% conservation. In recognition of the success of the conservation effort and due to reduced water sales revenues, the water conservation budget for FY 2016-17 has been reduced by 50% to \$49,500.

Engineering and Capital Improvements:

The Engineering Department has the lead in planning and implementing the District's Capital Improvement Program, which is based on a priority of projects need to maintain CVWD's water infrastructure. The budget for CIP for FY 2016-17 is \$2,800,000.

- Major projects completed in FY 2015-16:
 - Pipeline replacement on the 3900 Block of Park Place, 2600 Block of Harmony, 3900 Block of Glenwood and 2800 Block of Prospect
 - Complete the installation of the new MCC at Oak Creek Reservoir
 - Installation of New Well 16 at Rockhaven including 2,100 LF of pipeline and well facility
 - Completion of the emergency water supply connection with LADWP at Ocean View & Ordunio Reservoirs, as part of Proposition 50 Water Security grant
 - Finalizing the Storm Water Recharge Feasibility Study at Crescenta Valley County Park
 - Planning for replacement of CVWD's SCADA system
 - Design of nitrate treatment removal system and re-activating Well 2 at Ordunio Reservoir site

- Major projects planned for FY 2016-17:
 - Rehabilitation of Well No. 7
 - Installation of nitrate treatment removal system and re-activating Well 2 at Ordunio Reservoir site
 - Rehabilitation of roof and vents at Oak Creek #1 Reservoir
 - Replacement of the Lower Pickens Canyon Pipeline and slope restoration
 - Replacement of 2,000 LF of pipeline on 2700, 3000 & 3100 Blocks of Brookhill Avenue
 - Replacement of Booster Pump 34 at Glenwood Plant
 - Design of new MCC at Paschall Booster Station
 - Rehabilitation of the Surge Tanks at the Glenwood Plant
 - Design for replacement of CVWD's SCADA system
 - Installation of Seismic Sensors & Valve Actuators at Dunsmore and Pickens Canyon Reservoirs
- Additional tasks performed by the Engineering Department include: submittal of grant application of installation of stormwater recharge at Crescetta Valley County Park, a coordinating construction with other agencies, working with developers on proposed improvements, permit coordination, well and booster pump rehabilitation, grant funding program and other miscellaneous projects.

Technology Improvement Projects:

The mission of CVWD's technology improvement effort is to protect personnel and District assets. Additionally, it is to provide a foundation for future needs of District staff and customers. New equipment and systems are developed, researched and deployed not only to optimize employees' time and productivity, but to ensure potential cost savings and optimizations are realized in future years.

- In FY 2015-16 several important projects were accomplished including:
 - Implementation of a billing and accounting system user interface significantly improving access to financial information.
 - Fleet Management software implementation. This application will assist the District in future fleet and asset management. More precision of maintenance and trending fleet issues will help reduce expenses.
 - Upgrades to internal and external security for information systems safeguarding against destructive and intrusive cyber threats.
 - Enhanced disaster recovery for data and control systems. Added additional archiving for disaster recovery and long term systems protections.
 - Rehabilitation of existing equipment to extend the lifecycle and minimize costs.
 - Expanded upgrades of virtual services for current and future storage and service needs.
 - Additional sampling and monitoring equipment for water quality was integrated with SCADA.
 - Enhanced Ethernet based communications to support PLC/SCADA operations.
 - Audited security procedures to develop staff and system policies to protect customer data and District information systems.
- Projects supported by capital outlay expense for FY 2016-17:
 - Continuation of enhancements of the billing process, printing and mailing systems.
 - Upgrading aspects of security on telemetry, data technology and physical venues including additional firewalls, network based security and additional third party monitoring.
 - Enhancing current public facing offerings including account management and water conservation tools.
 - Capital Improvements projects will replace/upgrade "end of life" telemetry equipment, enhancing information, management and data archiving abilities for operations. Adding functionally to assist in normal and emergency operations. Analytics will allow staff to responding and possibly predict incidents saving resources and time.
 - Asset and resource tagging for GIS, asset management and other future management systems. Completion of Fleet management systems.
 - Wastewater level and flow equipment testing for integration with monitoring and alarms.
 - AMI system and analysis for permanent AMI system.

- Implementation of new policies and management software to monitor security and add additional user based safeguards from intrusion and data loss.
- Additional document management systems will commence to support imaging and less paper records. These systems will realize savings on printing expenses and optimize access to historical and current records.

General Administrative Services:

General administration expenses represent the costs for consultants, accountants, lawyers, IT, conservation programs, conferences, training, and other administrative services.

- In FY 2016-17, CVWD is planning to expend \$692,000 for general administration services which is \$44,000 less than budgeted for FY 2015-16.
- Consultants expenses were increased by \$10,000.
- Voice and wireless data communications budgets were increased to properly reflect actual expenses.
- Staffing - The District's organizational chart shows 34 full time employees. Filling of vacancies will be evaluated on an individual basis.

Conclusion:

The coming year will present a variety of challenges for Crescenza Valley Water District. The impact of the drought and mandated water conservation has resulted in significantly reduced water sales revenue which will continue in FY 2016-17. The increasing costs for imported water, power, materials and supplies combined with the need to maintain a high quality water system makes it important for the District to be as efficient as possible in the execution of its mission. We need to recruit and select good employees to fill the openings we have at our entry levels. The employees will continue to work to deliver excellent customer service, be efficient in their approach, and be aware and alert to ways to improve and save money in the conduct of our business.

Special thanks to the Finance and Engineering Committees that worked diligently to provide valuable input in developing the FY 2016-17 Budget.

I also want to express my gratitude to the management staff for their diligent efforts spent preparing this FY 2016-17 Budget.

Submitted by:

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General Manager

CVWD FY 2016-17 WATER BUDGET - FINAL

	FY 2015-16 WATER BUDGET	FY 2015-16 Estimate for YEAR END	FY 2016-17 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WATER FORECAST
WATER REVENUES (BASED ON 4,500 AF LESS SHRINKAGE)						
Water Sales - Consumers	\$ 6,868,000	\$ 5,973,000	\$ 6,953,000			\$ 7,654,000
FMWD Charge	\$ -	\$ -	\$ -			\$ -
Subtotal Variable Revenue Sources	\$ 6,868,000	\$ 5,973,000	\$ 6,953,000	1.24%	16.41%	\$ 7,654,000
Water Sales- Service Charge	\$ 1,938,000	\$ 1,936,000	\$ 2,247,000	15.94%	16.06%	\$ 2,412,000
Water Sales - Fire Service	\$ 34,000	\$ 34,000	\$ 38,000	11.76%	11.76%	\$ 41,000
Water Sales - Others	\$ 70,000	\$ 77,000	\$ 80,000	14.29%	3.90%	\$ 83,000
Meter Installation/Hydrant Cha	\$ 50,000	\$ 30,000	\$ 30,000	-40.00%	0.00%	\$ 60,000
Water Systems Connect Fee	\$ 39,800	\$ 34,000	\$ 45,000	13.07%	32.35%	\$ 50,000
Other Income - Water/Grants Funds	\$ 7,500	\$ 701,025	\$ 1,155,250	15303.33%	64.79%	\$ 625,475
Interest Earned/Gain on Sale of Investments - Water	\$ 225,200	\$ 250,200	\$ 240,200	6.66%	-4.00%	\$ 229,000
Property Rental Income	\$ 22,500	\$ 23,000	\$ 23,000		0.00%	\$ 23,000
TOTAL WATER REVENUE	\$ 9,255,000	\$ 9,058,225	\$ 10,811,450	16.82%	19.36%	\$ 11,177,475
WATER COMPENSATION AND BENEFITS						
Director Fees	\$ 8,000	\$ 8,000	\$ 9,000	12.50%	12.50%	\$ 9,000
Officer Salaries	\$ 164,500	\$ 164,500	\$ 170,000	3.34%	3.34%	\$ 171,000
Administrative Services-Labor	\$ 360,000	\$ 355,000	\$ 366,000	1.67%	3.10%	\$ 371,000
Administrative Services-OT	\$ 3,000	\$ 4,000	\$ 3,000	0.00%	-25.00%	\$ 3,000
Engineering-Labor	\$ 436,000	\$ 290,000	\$ 298,000	-31.65%	2.76%	\$ 301,000
Engineering-OT	\$ 2,000	\$ 6,000	\$ 4,000	100.00%	-33.33%	\$ 4,000
Salaries Plant Admin	\$ 236,000	\$ 158,800	\$ 221,000	-6.36%	39.17%	\$ 223,000
Plant Administrative - OT	\$ 400	\$ 300	\$ -	-100.00%	-100.00%	\$ -
System Operations	\$ 324,000	\$ 277,000	\$ 298,000	-8.02%	7.58%	\$ 301,000
System Operations - OT	\$ 27,000	\$ 21,900	\$ 22,000	-18.52%	0.46%	\$ 22,000
Utility Workers Labor	\$ 372,000	\$ 338,000	\$ 345,000	-7.26%	2.07%	\$ 356,000
Utility Workers Labor-OT	\$ 45,000	\$ 45,000	\$ 52,000	15.56%	15.56%	\$ 51,000
Standby Pay	\$ 41,000	\$ 43,300	\$ 43,000	4.88%	-0.69%	\$ 44,000
Automobile Allowance	\$ 10,000	\$ 10,200	\$ 10,000	0.00%	-1.96%	\$ 10,000
Labor - Subtotal	\$ 2,028,900	\$ 1,722,000	\$ 1,841,000	-9.26%	6.91%	\$ 1,866,000

CVWD FY 2016-17 WATER BUDGET - FINAL

	FY 2015-16 WATER BUDGET	FY 2015-16 Estimate for YEAR END	FY 2016-17 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WATER FORECAST
Sick and Vacation						
Sick Leave/Vacation-Office	\$ 107,000	\$ 102,000	\$ 112,000	4.67%	9.80%	\$ 112,000
Sick Leave/Vacation-Plant	\$ 71,000	\$ 68,000	\$ 74,000	4.23%	8.82%	\$ 74,000
Sick and Vacation - Subtotal	\$ 178,000	\$ 170,000	\$ 186,000	4.49%	9.41%	\$ 186,000
Taxes - Payroll	\$ 136,000	\$ 132,700	\$ 139,000	2.21%	4.75%	\$ 141,000
Employer Portion of PERS	\$ 291,000	\$ 270,000	\$ 315,000	8.25%	16.67%	\$ 342,000
Labor - Subtotal	\$ 427,000	\$ 402,700	\$ 454,000	6.32%	12.74%	\$ 483,000
Workers' Compensation						
Workers' Compensation - Office	\$ 16,000	\$ 19,800	\$ 21,000	31.25%	6.06%	\$ 18,000
Workers' Compensation-Plant	\$ 74,000	\$ 80,300	\$ 90,000	21.62%	12.08%	\$ 82,000
Workers' Compensation - Subtotal	\$ 90,000	\$ 100,100	\$ 111,000	23.33%	10.89%	\$ 100,000
Group Insurance - Health, Dental, Life, Vision & Self						
Health and Dental and Vision - Office	\$ 137,000	\$ 130,700	\$ 128,000	-6.57%	-2.07%	\$ 131,000
Life and Disability Insurance - Office	\$ 10,000	\$ 10,000	\$ 10,000	0.00%	0.00%	\$ 10,000
Health Dental and Vision-Plant	\$ 152,000	\$ 136,300	\$ 140,000	-7.89%	2.71%	\$ 142,000
Retiree Health Care Expense	\$ 79,000	\$ 72,100	\$ 74,000	-6.33%	2.64%	\$ 75,000
Self Insurance	\$ 13,000	\$ 6,600	\$ 13,000	0.00%	96.97%	\$ 13,000
Group Insurance - Subtotal	\$ 391,000	\$ 355,700	\$ 365,000	-6.65%	2.61%	\$ 371,000
Labor Transfer to Capital	\$ (150,000)	\$ -	\$ -	-100.00%		\$ -
TOTAL - WATER COMPENSATION AND BENEFITS	\$ 2,964,900	\$ 2,750,500	\$ 2,957,000	-0.27%	7.51%	\$ 3,006,000
WATER SYSTEM EXPENSES						
Purchased Water	\$ 2,278,000	\$ 2,527,120	\$ 2,330,000	2.28%	-7.80%	\$ 2,348,000
Power Purchased - Pumping	\$ 715,000	\$ 640,300	\$ 695,000	-2.80%	8.54%	\$ 716,000
TOTAL - WATER SYSTEM EXPENSES	\$ 2,993,000	\$ 3,167,420	\$ 3,025,000	1.07%	-4.50%	\$ 3,064,000

CVWD FY 2016-17 WATER BUDGET - FINAL

	FY 2015-16 WATER BUDGET	FY 2015-16 Estimate for YEAR END	FY 2016-17 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WATER FORECAST
PLANT WATER OPERATION						
Utilities	\$ 14,000	\$ 14,000	\$ 16,000	14.29%	14.29%	\$ 17,000
Building Maintenance-Plant	\$ 25,000	\$ 20,000	\$ 23,000	-8.00%	15.00%	\$ 24,000
Landscaping Expenses	\$ 7,500	\$ 5,900	\$ 5,500	-26.67%	-6.78%	\$ 6,000
Telemetering & Signal System	\$ 13,500	\$ 6,000	\$ 10,000	-25.93%	66.67%	\$ 12,000
SCADA - Hardware	\$ 6,000	\$ 1,500	\$ 6,000	0.00%	300.00%	\$ 8,000
SCADA - Software	\$ 12,000	\$ 10,000	\$ 13,000	8.33%	30.00%	\$ 14,000
SCADA Communications	\$ 3,500	\$ 2,000	\$ 2,500	-28.57%	25.00%	\$ 3,000
Lab & Sampling						
Lab & Sampling Expense	\$ 65,000	\$ 50,000	\$ 65,000	0.00%	30.00%	\$ 67,000
Chlorine & Treatment Expense	\$ 75,000	\$ 71,000	\$ 71,000	-5.33%	0.00%	\$ 73,000
Nitrate Plant	\$ 80,000	\$ 56,500	\$ 70,000	-12.50%	23.89%	\$ 75,000
Uniforms	\$ 8,500	\$ 11,000	\$ 9,000	5.88%	-18.18%	\$ 9,500
Safety and Security - Plant	\$ 17,000	\$ 20,000	\$ 17,000	0.00%	-15.00%	\$ 17,500
Permit & Assessment Fees	\$ 1,500	\$ 2,300	\$ 1,500	0.00%	-34.78%	\$ 2,000
Training-Plant	\$ 7,000	\$ 7,000	\$ 7,000	0.00%	0.00%	\$ 7,500
Education Reimbursements/Certifications	\$ 4,000	\$ 5,000	\$ 4,000	0.00%	-20.00%	\$ 4,000
Office Supplies & Misc Expenses-Plant	\$ 6,000	\$ 7,000	\$ 7,000	16.67%	0.00%	\$ 7,500
Tools and Supplies-Plant	\$ 20,000	\$ 13,500	\$ 16,000	-20.00%	18.52%	\$ 17,000
TOTAL - PLANT WATER OPERATION	\$ 365,500	\$ 302,700	\$ 343,500	-6.02%	13.48%	\$ 364,000

CVWD FY 2016-17 WATER BUDGET - FINAL

	FY 2015-16 WATER BUDGET	FY 2015-16 Estimate for YEAR END	FY 2016-17 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WATER FORECAST
DISTRIBUTION SYSTEM EXPENSES						
Meters-Maintenance	\$ 275,000	\$ 255,000	\$ 250,000	-9.09%	-1.96%	\$ 225,000
Meters-Paving	\$ 275,000	\$ 262,000	\$ 230,000	-16.36%	-12.21%	\$ 230,000
Meters Repair/Replace/Upgrade	\$ 15,000	\$ 5,000	\$ 10,000	-33.33%	100.00%	\$ 10,000
Lateral Leaks and Repairs	\$ 150,000	\$ 50,000	\$ 76,000	-49.33%	52.00%	\$ 75,000
Meters - Trench Plate Rentals	\$ 2,000	\$ 1,500	\$ 2,000	0.00%	33.33%	\$ 1,000
Meters - D-jobs	\$ 8,000	\$ 14,500	\$ 8,000	0.00%	-44.83%	\$ 8,000
Pipelines-Maintenance	\$ 50,000	\$ 30,000	\$ 51,000	2.00%	70.00%	\$ 52,000
Pipelines-Paving	\$ 17,000	\$ 22,000	\$ 20,000	17.65%	-9.09%	\$ 21,000
Fire Hydrant Repair/Replace	\$ 12,000	\$ 15,500	\$ 13,000	8.33%	-16.13%	\$ 14,000
Pipelines-Leak Detection/Leak	\$ 3,000	\$ 3,000	\$ 25,000		733.33%	\$ 5,000
Pipelines-Trench Plate Rentals	\$ 1,500	\$ 2,500	\$ 2,500		0.00%	\$ 2,500
Pipelines-Water Sampling Stations	\$ 500	\$ 250	\$ 500	0.00%	100.00%	\$ 500
Pipelines-Valves	\$ 3,000	\$ 2,500	\$ 4,000	33.33%		\$ 5,000
Backflow Expense	\$ 250	\$ 250	\$ 500	100.00%	100.00%	\$ 500
Reservoirs-Maintenance	\$ 80,000	\$ 60,000	\$ 80,000	0.00%	33.33%	\$ 77,000
Reservoir-Landscape	\$ 22,000	\$ 20,000	\$ 17,000	-22.73%	-15.00%	\$ 18,000
Well Site Maintenance	\$ 32,000	\$ 7,000	\$ 45,000	40.63%	542.86%	\$ 33,000
Well Site- Landscape	\$ 3,500	\$ 3,500	\$ 5,000	42.86%	42.86%	\$ 5,000
Well Site- Lease	\$ 300	\$ 300	\$ 300	0.00%	0.00%	\$ 300
Booster Pumps-Maintenance	\$ 60,000	\$ 63,000	\$ 57,000	-5.00%	-9.52%	\$ 63,000
Generators-Emergency Power	\$ 22,000	\$ 16,000	\$ 22,500	2.27%	40.63%	\$ 23,000
Auto/Truck Maintenance	\$ 50,000	\$ 60,000	\$ 55,000	10.00%	-8.33%	\$ 57,000
Auto/Truck Maintenance- Gas	\$ 17,500	\$ 16,000	\$ 20,000	14.29%	25.00%	\$ 20,500
Auto/Truck Maintenance- Diesel	\$ 17,500	\$ 14,000	\$ 18,000	2.86%	28.57%	\$ 18,500
Taxes-Property	\$ 12,800	\$ 12,800	\$ 13,300	3.91%	3.91%	\$ 13,800
TOTAL - DISTRIBUTION SYSTEM EXPENSES	\$ 1,129,850	\$ 936,600	\$ 1,025,600	-9.23%	9.50%	\$ 978,600

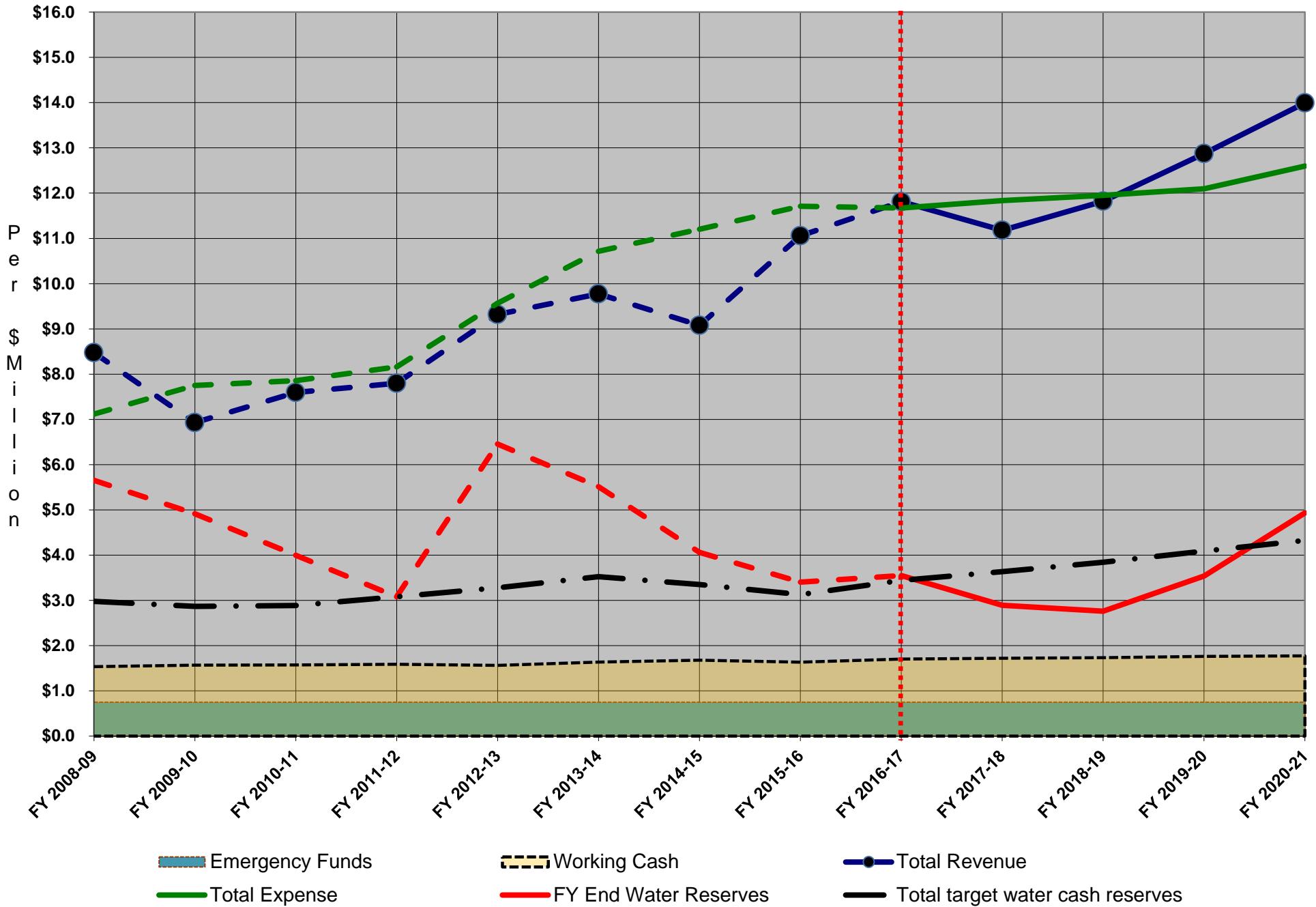
CVWD FY 2016-17 WATER BUDGET - FINAL

	FY 2015-16 WATER BUDGET	FY 2015-16 Estimate for YEAR END	FY 2016-17 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WATER FORECAST
GENERAL AND ADMINISTRATIVE EXPENSES						
Engineering Expense	\$ 9,900	\$ 10,800	\$ 11,000	11.11%	1.85%	\$ 12,000
Accounting	\$ 13,000	\$ 13,000	\$ 13,000	0.00%	0.00%	\$ 14,500
Legal	\$ 45,000	\$ 66,000	\$ 47,000	4.44%	-28.79%	\$ 49,000
Administrative Consultants	\$ 120,000	\$ 90,000	\$ 130,000	8.33%	44.44%	\$ 130,000
General Liability Insurance	\$ 53,000	\$ 53,000	\$ 56,000	5.66%	5.66%	\$ 59,000
Building Maintenance	\$ 12,000	\$ 10,000	\$ 12,000	0.00%	20.00%	\$ 12,000
Landscaping Expense	\$ 7,500	\$ 6,500	\$ 7,500	0.00%	15.38%	\$ 8,000
Office Supplies & Misc Expense	\$ 5,500	\$ 6,500	\$ 5,500	0.00%	-15.38%	\$ 6,000
Computer Hardware	\$ 27,000	\$ 27,000	\$ 25,000	-7.41%	-7.41%	\$ 26,000
Computer Software/Software Maintenance/Licenses	\$ 60,000	\$ 45,000	\$ 50,000	-16.67%	11.11%	\$ 50,000
Utilities	\$ 20,000	\$ 20,000	\$ 21,000	5.00%	5.00%	\$ 21,500
Office -Enterprise Voice Communication	\$ 26,650	\$ 40,000	\$ 40,000	50.09%	0.00%	\$ 41,000
Office - Data Communications	\$ 48,750	\$ 45,000	\$ 49,000	0.51%	8.89%	\$ 50,000
Office - Wireless Voice & Data Communications	\$ 29,500	\$ 14,000	\$ 14,000	-52.54%	0.00%	\$ 15,000
Printing Expenses	\$ 37,000	\$ 35,000	\$ 37,500	1.35%	7.14%	\$ 38,000
Election Expense	\$ 40,000	\$ -	\$ -			\$ 45,000
Uncollectible Accounts	\$ 3,000	\$ 3,000	\$ 3,500	16.67%	16.67%	\$ 3,500
Water System Fees and ULARA	\$ 60,000	\$ 46,000	\$ 50,000	-16.67%	8.70%	\$ 51,000
Training Office	\$ 3,000	\$ 3,000	\$ 3,500	16.67%	16.67%	\$ 4,000
Education Reimbursements/Certifications - Office	\$ -	\$ -	\$ -			\$ -
Conferences & Seminars	\$ 10,000	\$ 8,000	\$ 9,000	-10.00%	12.50%	\$ 10,000
Board Conferences & Seminars	\$ 2,300	\$ 5,000	\$ 5,000	117.39%	0.00%	\$ 5,000
Water Conservation Expense	\$ 45,000	\$ 26,000	\$ 30,000	-33.33%	15.38%	\$ 31,000
Water Conservation Advertising	\$ 5,000	\$ 2,000	\$ 2,500	-50.00%	25.00%	\$ 2,500
Conservation Turf Rebate	\$ 35,000	\$ 35,000	\$ -	-100.00%	-100.00%	\$ -
Washer/Other Rebates	\$ 5,000	\$ 3,500	\$ 5,000	0.00%	42.86%	\$ 5,000
Community Outreach	\$ 12,000	\$ 9,200	\$ 12,000	0.00%	30.43%	\$ 12,000
Misc Administration	\$ 5,000	\$ 4,000	\$ 5,000	0.00%	25.00%	\$ 5,000
Membership Renewals/Subscriptions	\$ 26,000	\$ 20,000	\$ 22,000	-15.38%	10.00%	\$ 23,000
Board Misc. Administration	\$ 2,000	\$ 1,500	\$ 2,000	0.00%	33.33%	\$ 2,000
Bank Charges	\$ 15,500	\$ 20,000	\$ 21,500	38.71%	7.50%	\$ 22,500
Rental Properties Expenses	\$ 3,100	\$ 3,100	\$ 2,500	-19.35%	-19.35%	\$ 2,500
Emergency Operations	\$ 2,000	\$ 1,000	\$ 2,000	0.00%	100.00%	\$ 2,000
Subtotal	\$ 788,700	\$ 672,100	\$ 694,000	-12.01%	3.26%	\$ 758,000

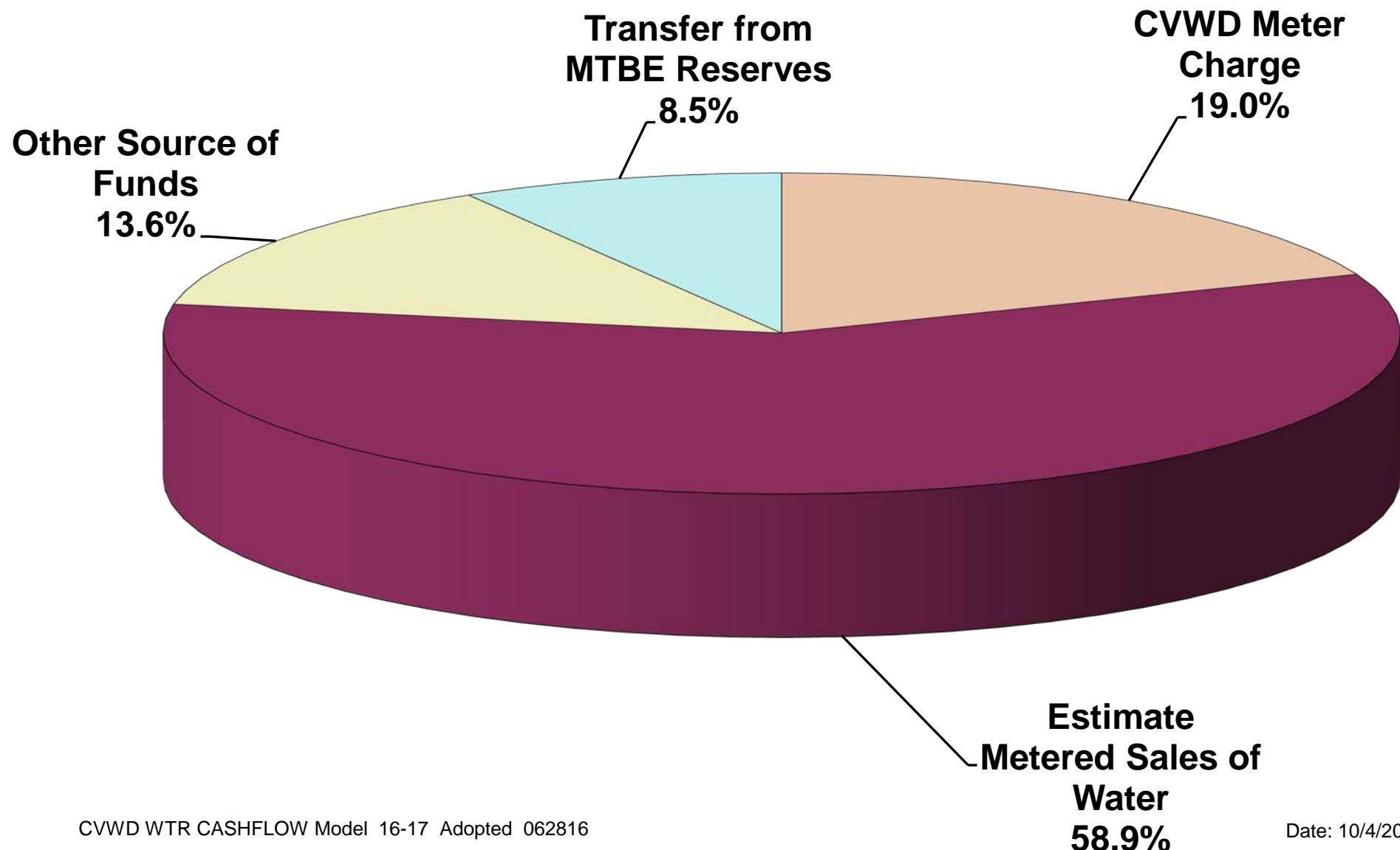
CVWD FY 2016-17 WATER BUDGET - FINAL

	FY 2015-16 WATER BUDGET	FY 2015-16 Estimate for YEAR END	FY 2016-17 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WATER FORECAST
2007 COPS Principle and Interest Costs	\$ 614,000	\$ 614,000	\$ 614,000	0.00%	0.00%	\$ 614,000
Capital Outlay & Equipment	\$ 65,000	\$ 21,000	\$ 110,000	69.23%	69.23%	\$ 150,000
Depreciation Reserve Fund	\$ -	\$ -	\$ -			\$ -
OPEB Fund	\$ 100,000	\$ 100,000	\$ 100,000			\$ 100,000
TOTAL - GENERAL AND ADMINISTRATIVE EXPENSES	\$ 1,567,700	\$ 1,407,100	\$ 1,518,000	-3.17%	7.88%	\$ 1,622,000
TOTAL WATER EXPENSES	\$ 9,020,950	\$ 8,564,320	\$ 8,869,100	-1.68%	3.56%	\$ 9,034,600
NET WATER INCOME/(LOSS)	\$ 234,050	\$ 493,905	\$ 1,942,350			\$ 2,142,875

Crescenta Valley Water District
Budget - FY 16/17 - Adopted June 28, 2016
Water Expense vs. Revenue Summary

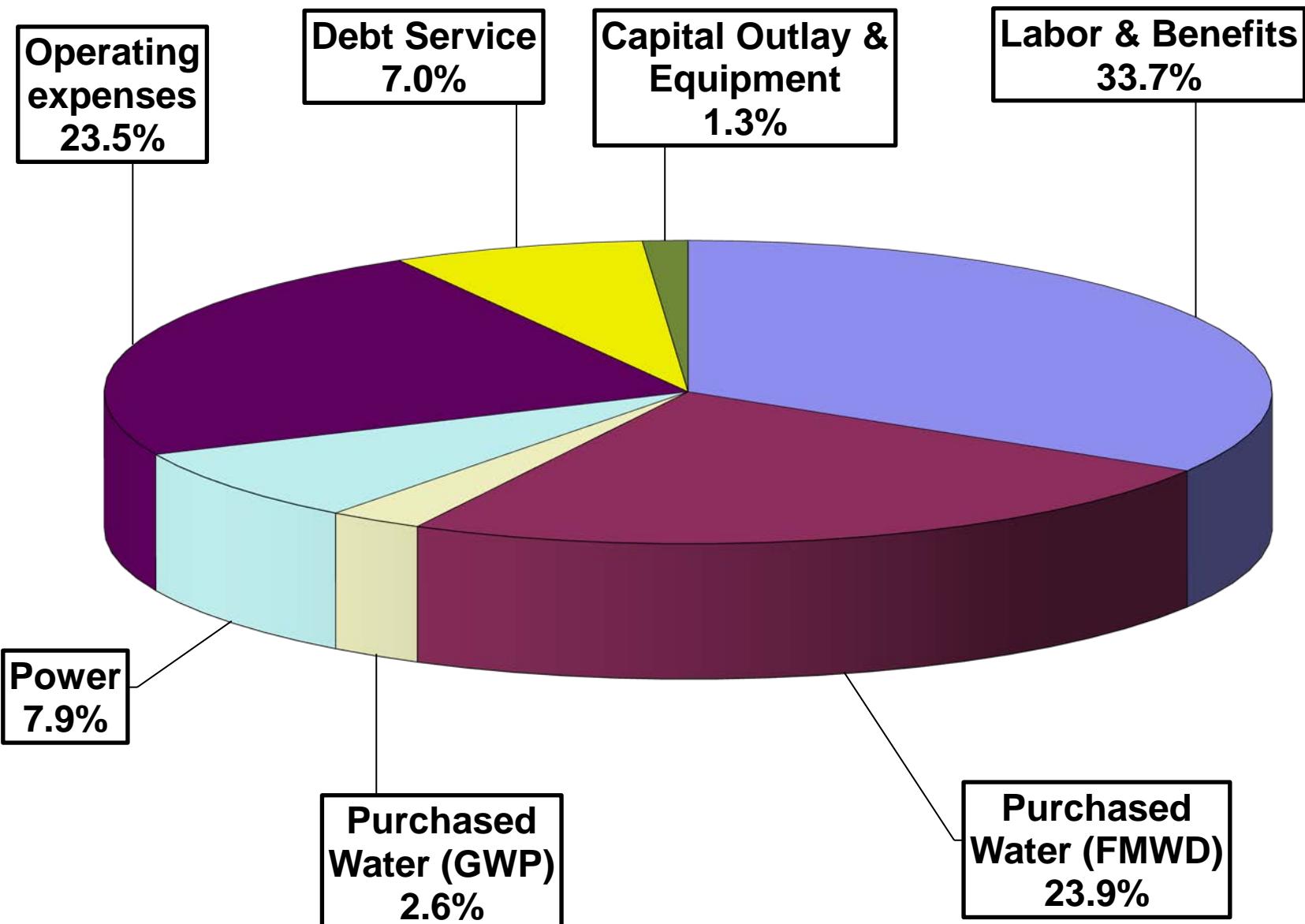


Budget FY 2016/17 - Projected Revenue Breakdown



Budget FY 2016/17

Projected Expense Breakdown



CRESCENTA VALLEY WATER DISTRICT
FISCAL YEAR BUDGET 2016-2017
WATER OPERATIONS

Estimated Cash Reserves at June 30, 2016	\$ 3,404,056
Revenues:	\$ 10,811,450
<u>Expenses:</u>	
Labor & Benefits	\$ 2,957,000
Purchased Water	\$ 2,330,000
Purchased Power	\$ 695,000
Plant Operations	\$ 356,800
Distribution System	\$ 1,012,300
General & Administrative	\$ 694,000
Capital Outlay & Equipment	\$ 110,000
Capital Improvements (pay-as-you-go)	\$ 2,800,000
Depreciation Fund	\$ -
Future Liability Fund (OPEB)	\$ 100,000
Debt Services	\$ 614,000
Total Expenses	\$ 11,669,100
Net Income (Loss) From Operations 2016-17	<u>\$ (857,650)</u>
Transfer from MTBE Funds	\$ 1,000,000
Estimated Cash Reserves at June 30, 2017	<u>\$ 3,546,406</u>
Target Reserve Level at June 30, 2017	\$ 3,441,000



CRESCENTA VALLEY WATER DISTRICT

Fiscal Year 2016-17 Wastewater Budget Executive Summary

Presented herein is the Crescenta Valley Water District's (CVWD) Fiscal Year 2016-17 Wastewater Budget for consideration by the Board of Directors (Board). The following paragraphs describe the key areas where the budget has changed from years past and certain assumptions that were a part of the budget development process. The proposed budget for CVWD Wastewater operations for FY 2016-17 is guided by the discussion and direction set by the Board in the spring of 2016. The budget presented here was developed with the assistance of the Finance Committee and Engineering Committee.

Staff's goals for the FY 2016-17 wastewater budget are:

- Maintain appropriate and necessary spending levels and identify opportunities for expense reductions.
- Continue the pass-through of costs for City of Los Angeles Wastewater Treatment rate increases.
- Systematically reduce wastewater reserve funds to approach target levels through deferral of wastewater rate increases.
- Continue funding the District's OPEB liability and funding replacement of capital assets in the future.

Revenue Projections:

The District completed an updated cost of service study in FY 2015-16 which included an evaluation of implementing a variable wastewater rate component which is incorporated into the proposed wastewater rate structure. The variable wastewater rate component is based on sewer flows which are estimated using winter month water use.

Staff calculated the expected monthly service charge revenues from residential, commercial, and school customers based upon 8,003 Equivalent Dwelling Units (EDU's) for FY 2016-17. Wastewater usage charge revenue is calculated based on prior year winter water use. Total wastewater service and usage charges are budgeted at \$3,368,000 for FY 2016-17. Projected wastewater revenues for FY 2016-17 were based on a 0% rate increase in the fixed monthly charges.

- Staff planned for nominal interest income from the wastewater reserve funds due to current market conditions and a re-allocation of funds for FY 2015-16.
- Other projected sources of revenue include developer/connection fees, late fees, and other miscellaneous sources totaling \$36,500 which brings the total anticipated revenue for FY 2016-17 to \$3,405,000.

Expenses for City of Los Angeles Treatment and Disposal Costs:

The City of Los Angeles (LA) has provided CVWD with cost projections for FY 2016-17 through FY 2020-21 based on the cost to treat CVWD's wastewater flow and CVWD's portion of LA's capital improvements.

- Cost projections from LA vary greatly from year to year from the estimated cost to the actual cost. Staff averaged the LA cost over the next five (5) years to minimize the wide fluctuations that can affect annual rate increases.
- For FY 2016-17 staff used the average LA Cost of \$1,243,000 per year for the treatment and disposal of CVWD's wastewater.

Compensation and Benefits:

The compensation and benefits assumptions for the wastewater budget are the same as the water budget.

Wastewater Operations:

The Wastewater Operations Department was formed in FY 2005-06 and fully staffed in FY 2007-08. CVWD's efforts in cleaning the sewer collection system have resulted in significantly limiting the number of sanitary sewer overflows over the last ten (10) years.

- CVWD's wastewater crews in FY 2015-16 cleaned about 58 miles of the wastewater collection systems and videotaped approximately 4 miles of sewer main. District crews have almost completed the second full video inspections of the entire collection system.
- The enhanced maintenance areas were cleaned as required by CVWD's Sewer System Maintenance plan.
- Staff performed an updated sewer flow evaluation of the sewer interceptor and modified the brine diverter valve operation.
- The Wastewater Operations Crew did not lose any time to on-the-job injuries and the wastewater crew was also able to assist the water crew with cleaning of meter boxes and installation of water service laterals.
- There were no sanitary sewer overflows in FY 2015-16.
- The efforts of videotaping the wastewater system has assisted crews in locating areas of concern and has resulted in identifying sections of main that need rehabilitation.
- The system is now about 33 years old and staff anticipates the need to do minor upgrades to the wastewater collection system. Staff has requested that a wastewater master plan be performed in FY 2016-17 to assess the needs of the wastewater collection system.
- The overall O & M budget has been set at \$409,000 for FY 2016-17, which is \$126,000 less than FY 2015-16.

Capital Outlay & Equipment:

Capital outlay & equipment planned for FY 2016-17 include funds to upgrade CVWD's computer network system and site security, and an evaluation and master plan for the main office building, also included is the purchase of one new vehicle, and replacement of the sewer vactor truck which have reached the end of their useful life. Total for this category is \$375,000 for FY 2016-17 which is \$283,000 higher than in FY 2015-16 due to the \$300,000 estimated cost for a new sewer vactor truck.

It is important to note that the existing sewer vactor truck was purchased in 2005 and typically this type of equipment remains in service for 10 –11 years due to the harsh environment of cleaning the sewers. CVWD has been able to stretch the life of the vactor truck to almost 11 years with regular maintenance.

Engineering and Capital Improvements:

The Engineering Department has the lead in planning and implementing the District's Capital Improvement Program, which is based on a priority of projects need to maintain CVWD's Wastewater infrastructure. The budget for CIP for FY 2016-17 is \$147,000, which is \$38,000 less than was budgeted in FY 2015-16.

- Major projects completed in FY 2015-16:
 - Sewer Relining – 500 linear feet
 - Design of new telemetry/communication equipment for Diverter Valve & Lift Station
- Major projects planned in FY 2016-17:
 - Repairs and/or relining of approximately 1,000LF of pipes as identified during the videotape inspection
 - Sewer manhole rehabilitation
 - Installation of new monitoring stations as part of Sewer System Management Plan (SSMP)

- Other tasks include GIS data information to be input over the next 18 months for the wastewater collections systems, which will assist the District with the SSMP.
- Developing agreements with neighboring agencies to establish protocols and payment methods for emergency assistance.

General Administrative Services:

The general administrative services discussion for the wastewater budget is the same as the water budget.

Conclusion:

The coming fiscal year will present a variety of challenges for Crescenta Valley Water District. The significant annual changes in the City of Los Angeles treatment and disposal costs makes it important for the District to be fiscally prepared for such changes by maintaining sufficient reserves. The District also must remain as efficient as possible in the execution of its mission. The Wastewater Reserve balance decreased \$95,000 in FY 2015-16 and is projected to decrease an additional \$349,000 in FY 2016-17. The Wastewater Reserve balance is projected to be \$1,938,000 above the target reserve amount at the end of FY 2016-17.

Special thanks to the Finance and Engineering Committees that worked diligently to provide valuable input in developing the FY 2016-17 Budget.

I also want to express my gratitude to Ron Mitchell, David Gould, Lynne Sovich and the management staff for their many hours spent preparing the FY 2016-17 Wastewater Budget.

Submitted by:

Thomas A. Love, P.E.
General Manager

CVWD FY 2016-17 WASTEWATER BUDGET - FINAL

	FY 2015-16 WASTEWATER BUDGET	FY 2015-16 ESTIMATE FOR YEAR END	FY 2016-17 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WASTEWATER FORECAST
WASTEWATER REVENUES						
Sewage Disposal Sales	\$ 3,384,000	\$ 3,344,600	\$ 3,368,000	-0.47%	0.70%	\$ 3,422,000
Sewer Late Fees	\$ -	\$ -	\$ -			\$ -
Property Owner Assessment Fees	\$ 15,000	\$ 15,000	\$ 20,000	33.33%	33.33%	\$ 20,000
Sewer Permits	\$ 1,500	\$ 1,500	\$ 4,000	166.67%	166.67%	\$ 4,000
Other Income - Wastewater	\$ 5,000	\$ 5,000	\$ 5,000	0.00%		\$ 5,000
Interest Earned - Sewer	\$ 500	\$ 500	\$ 500	0.00%	0.00%	\$ 500
Rental Properties Income	\$ 7,500	\$ 7,500	\$ 7,500	0.00%	0.00%	\$ 7,500
Fair Value Adjustment - Sewer	\$ -	\$ -	\$ -			\$ -
Gain/Loss on Sale of Assets	\$ -	\$ -	\$ -			\$ -
TOTAL WATER REVENUE	\$ 3,413,500	\$ 3,374,100	\$ 3,405,000	-0.25%	0.92%	\$ 3,459,000
WASTEWATER COMPENSATION AND BENEFITS						
Director Fees	\$ 8,000	\$ 8,000	\$ 9,000	12.50%	12.50%	\$ 9,000
Officer Salaries	\$ 164,500	\$ 164,500	\$ 170,000	3.34%	3.34%	\$ 171,000
Administrative Services-Labor	\$ 285,000	\$ 283,800	\$ 283,000	-0.70%	-0.28%	\$ 247,000
Administrative Services-OT	\$ 3,000	\$ 3,700	\$ 3,000	0.00%	-18.92%	\$ 2,000
Engineering-Labor	\$ 145,000	\$ 90,000	\$ 111,000	-23.45%	23.33%	\$ 100,300
Engineering-OT	\$ 660	\$ 2,000	\$ 1,000	51.52%	-50.00%	\$ 1,325
Salaries Plant Admin	\$ 79,000	\$ 60,000	\$ 74,000	-6.33%	23.33%	\$ 74,300
Plant Administrative - OT	\$ -	\$ -	\$ -			\$ -
Maintenance Workers Labor	\$ 199,000	\$ 185,000	\$ 201,000	1.01%	8.65%	\$ 213,000
Maintenance Workers Labor-OT	\$ 22,000	\$ 20,000	\$ 22,000	0.00%	10.00%	\$ 22,000
Standby Pay	\$ 14,000	\$ 14,000	\$ 14,000	0.00%	0.00%	\$ 14,600
Automobile Allowance	\$ 10,000	\$ 10,200	\$ 10,000	0.00%	-1.96%	\$ 10,000
Labor Transfer to Capital	\$ (5,000)	\$ -	\$ -	-100.00%		\$ -
Labor - Subtotal	\$ 925,160	\$ 841,200	\$ 898,000	-2.94%	6.75%	\$ 864,525

CVWD FY 2016-17 WASTEWATER BUDGET - FINAL

	FY 2015-16 WASTEWATER BUDGET	FY 2015-16 ESTIMATE FOR YEAR END	FY 2016-17 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WASTEWATER FORECAST
Sick and Vacation						
Sick Leave/Vacation-Office	\$ 36,000	\$ 33,500	\$ 37,000	2.78%	10.45%	\$ 37,300
Sick Leave/Vacation-Plant	\$ 24,000	\$ 24,000	\$ 25,000	4.17%	4.17%	\$ 24,600
Sick and Vacation - Subtotal	\$ 60,000	\$ 57,500	\$ 62,000	3.33%	7.83%	\$ 61,900
Taxes - Payroll	\$ 90,000	\$ 89,000	\$ 93,000	3.33%	4.49%	\$ 94,000
Employer Portion of PERS	\$ 194,000	\$ 170,000	\$ 210,000	8.25%	23.53%	\$ 228,000
Labor - Subtotal	\$ 284,000	\$ 259,000	\$ 303,000	6.69%	16.99%	\$ 322,000
Workers' Compensation						
Workers' Compensation - Office	\$ 10,500	\$ 11,500	\$ 14,000	33.33%	21.74%	\$ 12,000
Workers' Compensation-Plant	\$ 50,000	\$ 55,000	\$ 60,000	20.00%	9.09%	\$ 54,675
Workers' Compensation - Subtotal	\$ 60,500	\$ 66,500	\$ 74,000	22.31%	11.28%	\$ 66,675
Group Insurance - Health, Dental, Life, Vision & Self						
Health and Dental and Vision - Office	\$ 91,000	\$ 87,500	\$ 86,000	-5.49%	-1.71%	\$ 87,300
Life and Disability Insurance - Office	\$ 6,600	\$ 6,700	\$ 7,000	6.06%	4.48%	\$ 6,750
Health Dental and Vision-Plant	\$ 101,000	\$ 95,000	\$ 93,000	-7.92%	-2.11%	\$ 94,700
Self Insurance	\$ 8,800	\$ 4,500	\$ 8,000	-9.09%	77.78%	\$ 8,600
Retiree Health Care Expense	\$ 52,000	\$ 48,000	\$ 49,000	-5.77%	2.08%	\$ 50,000
Group Insurance - Subtotal	\$ 259,400	\$ 241,700	\$ 243,000	-6.32%	0.54%	\$ 247,350
TOTAL - WATER COMPENSATION AND BENEFITS	\$ 1,589,060	\$ 1,465,900	\$ 1,580,000	-0.57%	7.78%	\$ 1,562,450
WASTEWATER L.A. SYSTEM EXPENSES						
Wastewater System Expenses	\$ 1,523,480	\$ 1,362,195	\$ 1,243,420	-18.38%	-8.72%	\$ 1,243,420
Los Angeles ASSS Facilities Charges	\$ -	\$ -	\$ -			\$ -
TOTAL - WASTEWATER SYSTEM EXPENSES	\$ 1,523,480	\$ 1,362,195	\$ 1,243,420	-18.38%	-8.72%	\$ 1,243,420

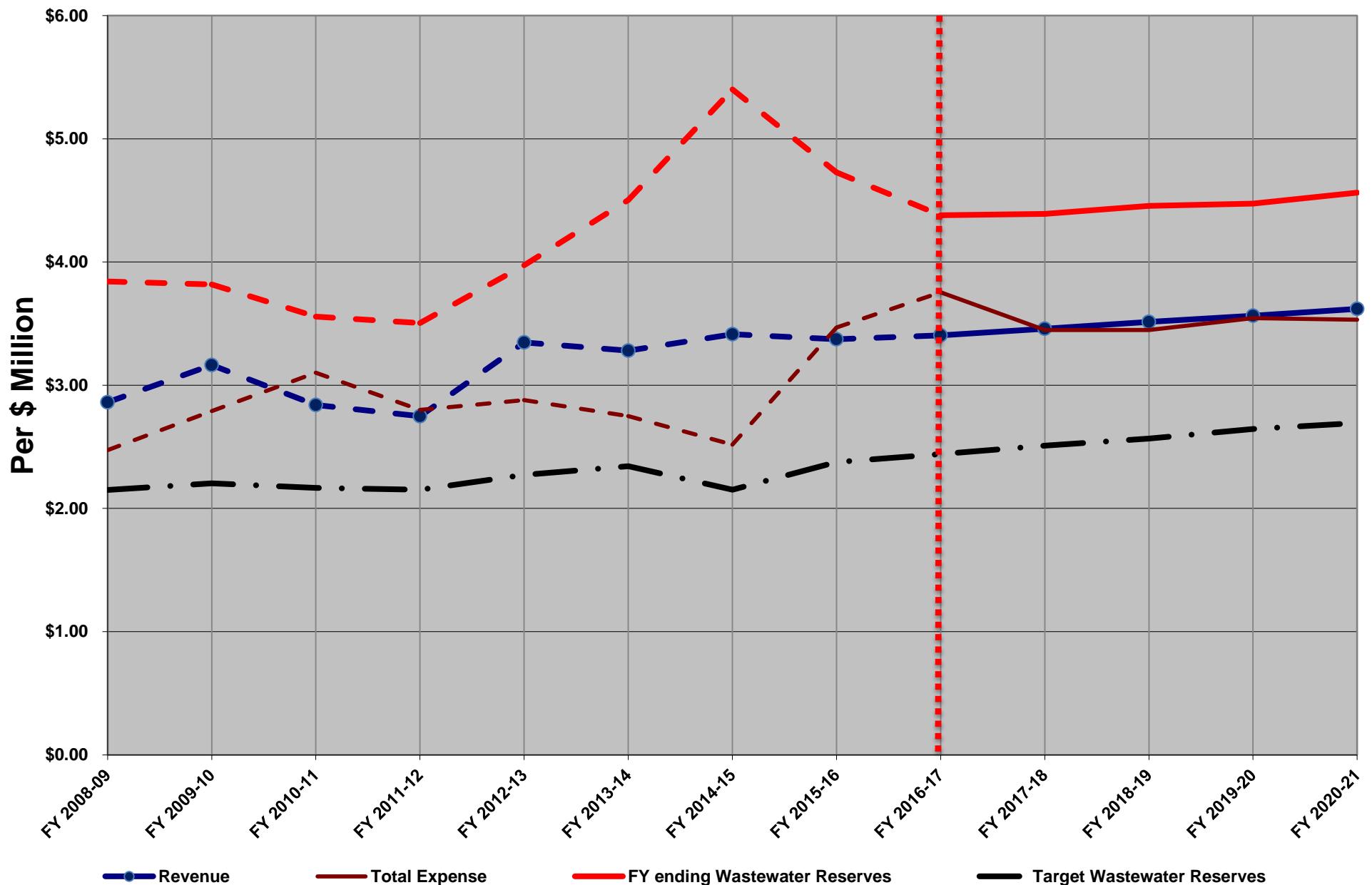
CVWD FY 2016-17 WASTEWATER BUDGET - FINAL

	FY 2015-16 WASTEWATER BUDGET	FY 2015-16 ESTIMATE FOR YEAR END	FY 2016-17 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WASTEWATER FORECAST
PLANT WASTEWATER OPERATION						
Power Purchased-Sewer	\$ 750	\$ 750	\$ 750	0.00%	0.00%	\$ 800
Utilities-Plant	\$ 4,660	\$ 4,600	\$ 5,300	13.73%	15.22%	\$ 5,700
Building Maintenance-Plant	\$ 8,500	\$ 8,000	\$ 7,500	-11.76%	-6.25%	\$ 8,000
Landscaping Expense-Plant	\$ 2,500	\$ 2,000	\$ 1,800	-28.00%	-10.00%	\$ 2,000
Telemetering & Signal System	\$ 4,500	\$ 2,000	\$ 3,300	-26.67%	65.00%	\$ 4,000
SCADA Hardware	\$ 2,000	\$ 1,500	\$ 2,000	0.00%	33.33%	\$ 2,700
SCADA Software	\$ 4,000	\$ 2,000	\$ 4,400	10.00%	120.00%	\$ 4,700
SCADA Phone Lines & Radio	\$ 1,160	\$ 900	\$ 850	-26.72%	-5.56%	\$ 1,000
Uniforms-Sewer	\$ 2,830	\$ 4,000	\$ 3,000	6.01%	-25.00%	\$ 3,250
Safety and Security	\$ 5,800	\$ 8,400	\$ 5,750	-0.86%	-31.55%	\$ 5,800
Training-Plant	\$ 2,300	\$ 2,100	\$ 2,375	3.26%	13.10%	\$ 2,500
Office Supplies & Misc Expenses - Plant	\$ 6,000	\$ 7,000	\$ 7,000	16.67%	0.00%	\$ 7,500
Tools and Supplies-Plant	\$ 20,000	\$ 15,000	\$ 16,000	-20.00%	6.67%	\$ 17,000
Education Reimbursements/Certifications	\$ 1,000	\$ 750	\$ 1,000	0.00%	33.33%	\$ 1,000
TOTAL - PLANT WATER OPERATION	\$ 66,000	\$ 59,000	\$ 61,025	-7.54%	3.43%	\$ 65,950
COLLECTION SYSTEM EXPENSES						
Sewer Flow Monitoring	\$ 25,000	\$ 12,500	\$ 12,500	-50.00%	0.00%	\$ 13,000
Pipeline Maintenance-Sewer	\$ 5,000	\$ 2,000	\$ 5,000	0.00%	150.00%	\$ 6,000
Interceptor Maintenance	\$ 4,000	\$ 2,000	\$ 4,000	0.00%	100.00%	\$ 4,000
Sewer Lift Station	\$ 6,000	\$ 3,500	\$ 3,500	-41.67%	0.00%	\$ 4,000
Autos/Truck Maintenance	\$ 16,600	\$ 36,000	\$ 18,300	10.24%	-49.17%	\$ 19,000
Auto/Truck Maintenance-Gas	\$ 5,800	\$ 5,000	\$ 6,600	13.79%	32.00%	\$ 6,800
Auto/Truck Maintenance-Diesel	\$ 5,800	\$ 4,500	\$ 6,000	3.45%	33.33%	\$ 6,200
Sewer Camera Van Inspection	\$ 3,500	\$ 2,000	\$ 3,000	-14.29%	50.00%	\$ 3,000
Taxes-Property	\$ 4,200	\$ 4,200	\$ 4,500	7.14%	7.14%	\$ 4,600
TOTAL - COLLECTION SYSTEM EXPENSES	\$ 75,900	\$ 71,700	\$ 63,400	-16.47%	-11.58%	\$ 66,600

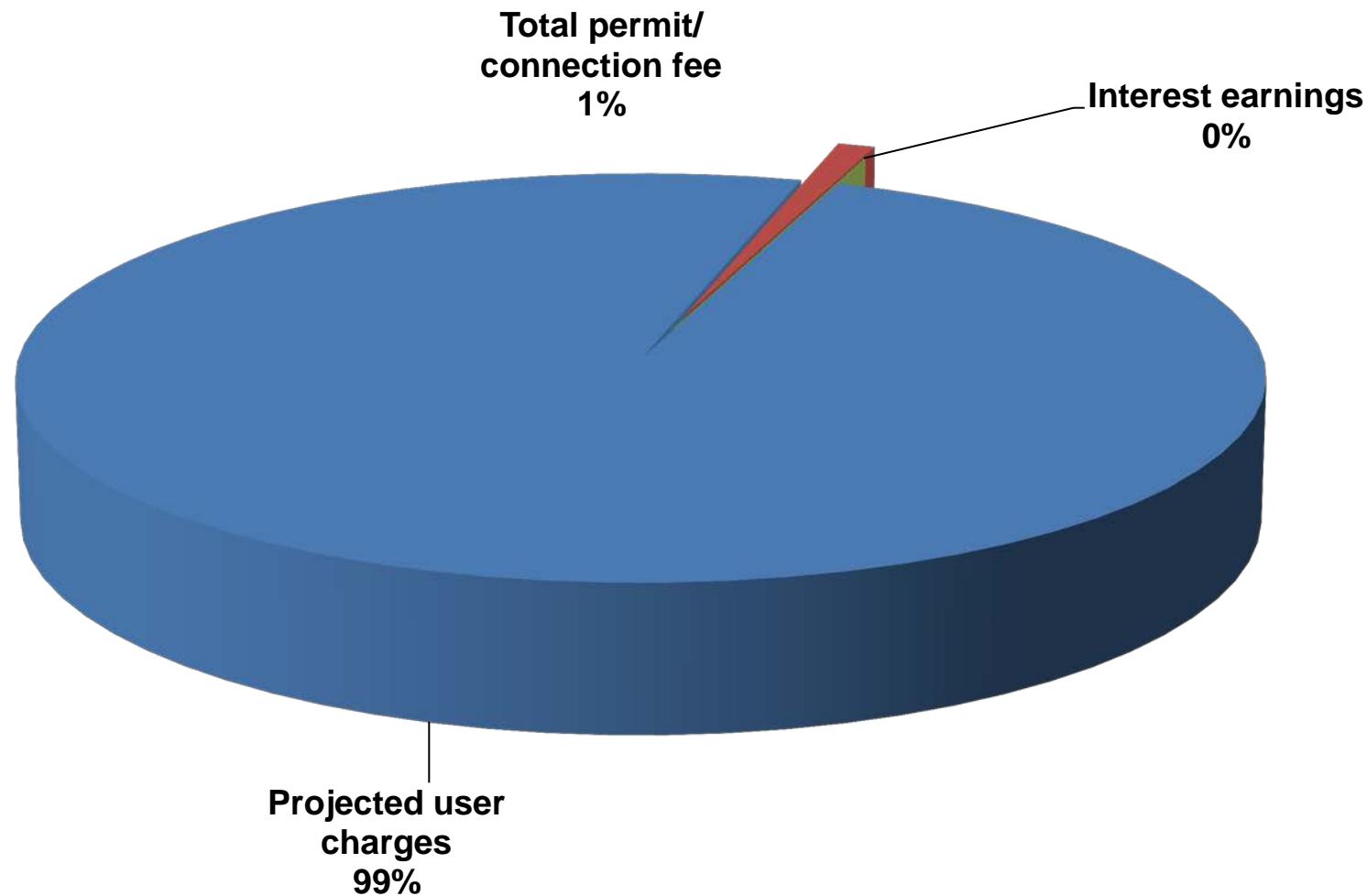
CVWD FY 2016-17 WASTEWATER BUDGET - FINAL

	FY 2015-16 WASTEWATER BUDGET	FY 2015-16 ESTIMATE FOR YEAR END	FY 2016-17 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2017-18 WASTEWATER FORECAST
GENERAL AND ADMINISTRATIVE EXPENSES						
Engineering Expenses	\$ 3,300	\$ 3,300	\$ 3,600	9.09%	9.09%	\$ 4,000
Accounting	\$ 13,000	\$ 13,000	\$ 13,000	0.00%	0.00%	\$ 14,500
Legal	\$ 15,000	\$ 15,500	\$ 15,600	4.00%	0.65%	\$ 16,600
Administrative Consultants	\$ 120,000	\$ 85,000	\$ 44,000	-63.33%	-48.24%	\$ 42,500
General Liability Insurance	\$ 53,000	\$ 50,000	\$ 56,000	5.66%	12.00%	\$ 59,000
Building Maintenance	\$ 4,000	\$ 3,750	\$ 4,000	0.00%	6.67%	\$ 4,000
Landscaping Expense	\$ 2,500	\$ 2,250	\$ 2,500	0.00%	11.11%	\$ 2,650
Supplies & Misc Expense	\$ 1,800	\$ 2,200	\$ 5,500	205.56%	150.00%	\$ 6,000
Computers - Hardware	\$ 9,000	\$ 6,500	\$ 8,500	-5.56%	30.77%	\$ 8,600
Computer - Software/Software Maint./Licenses	\$ 19,600	\$ 15,000	\$ 17,000	-13.27%	13.33%	\$ 17,000
Utilities	\$ 6,500	\$ 6,500	\$ 7,200	10.77%	10.77%	\$ 7,200
Office - Voice Communications (landline phones)	\$ 4,200	\$ 12,700	\$ 13,600	223.81%	7.09%	\$ 13,600
Office - Data Communications (Fibre lines/Internet)	\$ 16,300	\$ 15,600	\$ 16,000	-1.84%	2.56%	\$ 17,000
Office- Wireless Voice & Data Communications	\$ 9,860	\$ 5,000	\$ 4,750	-51.83%	-5.00%	\$ 5,000
Printing, Postage, Stationery, Copier Maint. Expenses	\$ 36,000	\$ 32,000	\$ 37,500	4.17%	17.19%	\$ 38,000
Election Expense	\$ 40,000	\$ -	\$ -			\$ 45,000
Uncollectible Accounts	\$ 1,000	\$ 1,000	\$ 1,150	15.00%	15.00%	\$ 1,150
Training Office	\$ 3,000	\$ 1,500	\$ 1,150	-61.67%	-23.33%	\$ 1,350
Conferences & Seminars	\$ 3,400	\$ 2,500	\$ 3,000	-11.76%	20.00%	\$ 3,300
Board Conferences & Seminars	\$ 500	\$ 1,000	\$ 1,675	235.00%	67.50%	\$ 1,675
Misc Administration	\$ 5,000	\$ 1,500	\$ 1,675	-66.50%	11.67%	\$ 1,675
Membership Renewals/Subscriptions	\$ 8,800	\$ 8,000	\$ 7,500	-14.77%	-6.25%	\$ 7,600
Board Misc. Adminstration	\$ 650	\$ 300	\$ 650	0.00%	116.67%	\$ 650
Bank Charges	\$ 15,500	\$ 18,000	\$ 18,000	16.13%	0.00%	\$ 19,000
Rental Properties Expenses	\$ 1,050	\$ 1,050	\$ 850	-19.05%	-19.05%	\$ 850
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES	\$ 392,960	\$ 303,150	\$ 284,400	-27.63%	-6.19%	\$ 337,900
Sewer CIP and Capital Outlay	\$ 277,000	\$ 207,388	\$ 522,000	88.45%	151.70%	\$ 172,000
Transfer to Water Reserves	\$ -	\$ -	\$ -			
OPEB Expense	\$ -	\$ -	\$ -			\$ -
Depreciation Reserve Fund	\$ 750,000	\$ 800,000	\$ 850,000			\$ 900,000
TOTAL WASTEWATER EXPENSES	\$ 4,674,400	\$ 4,269,333	\$ 4,604,245	-1.50%	7.84%	\$ 4,348,320
NET WASTEWATER INCOME/(LOSS)	\$ (1,260,900)	\$ (895,233)	\$ (1,199,245)			\$ (889,320)

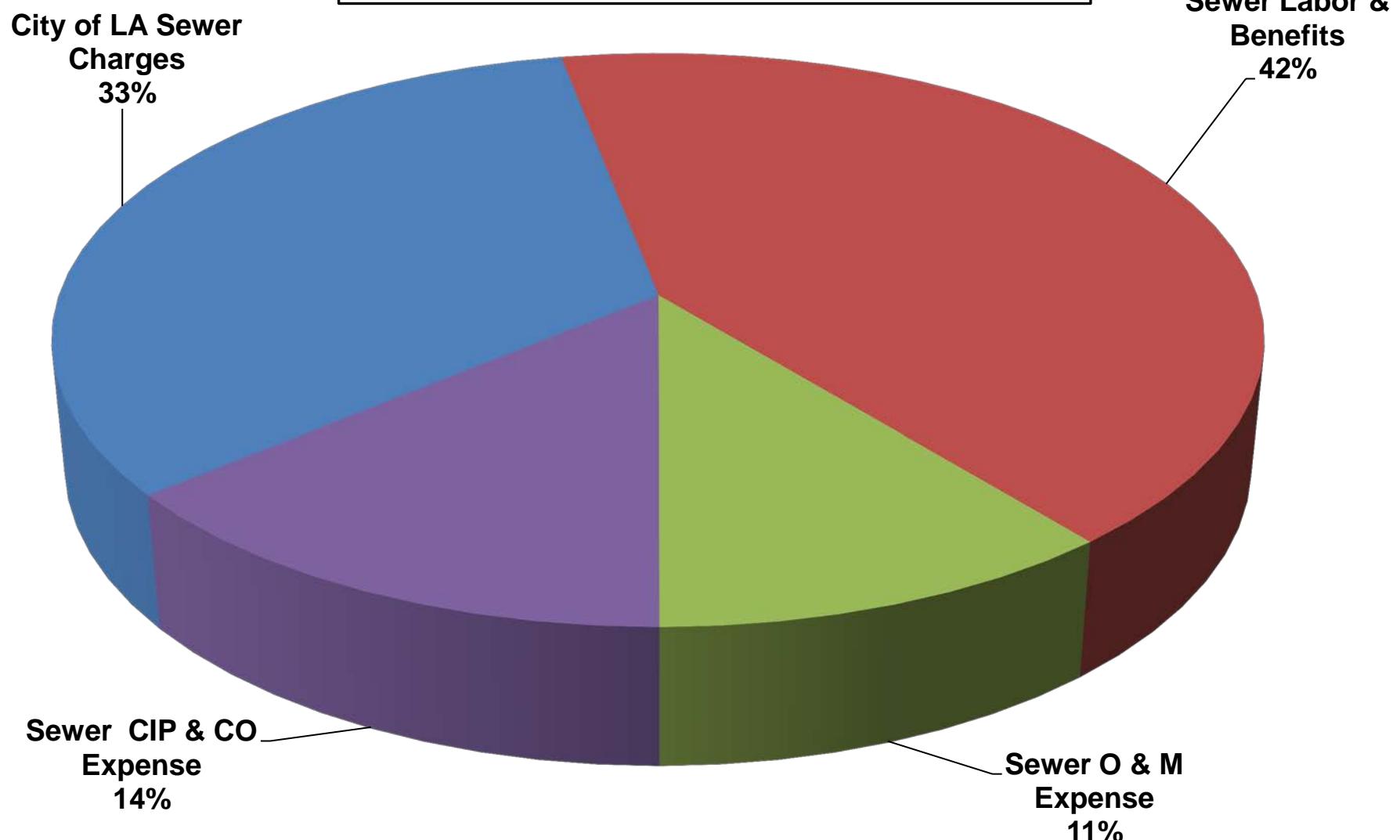
Crescenta Valley Water District
Budget - FY 16/17 Adopted June 28, 2016
Wastewater Expense vs. Revenue Summary



Budget FY 2016-17 Projected Wastewater Revenue Breakdown



FY 2016-17 Projected Wastewater Expense Breakdown



**CRESCENTA VALLEY WATER DISTRICT
FISCAL YEAR BUDGET 2016-2017
WASTEWATER OPERATIONS**

Estimated Cash Reserves at June 30, 2016 \$ 4,727,896

Revenues \$ 3,405,000

Expenses:

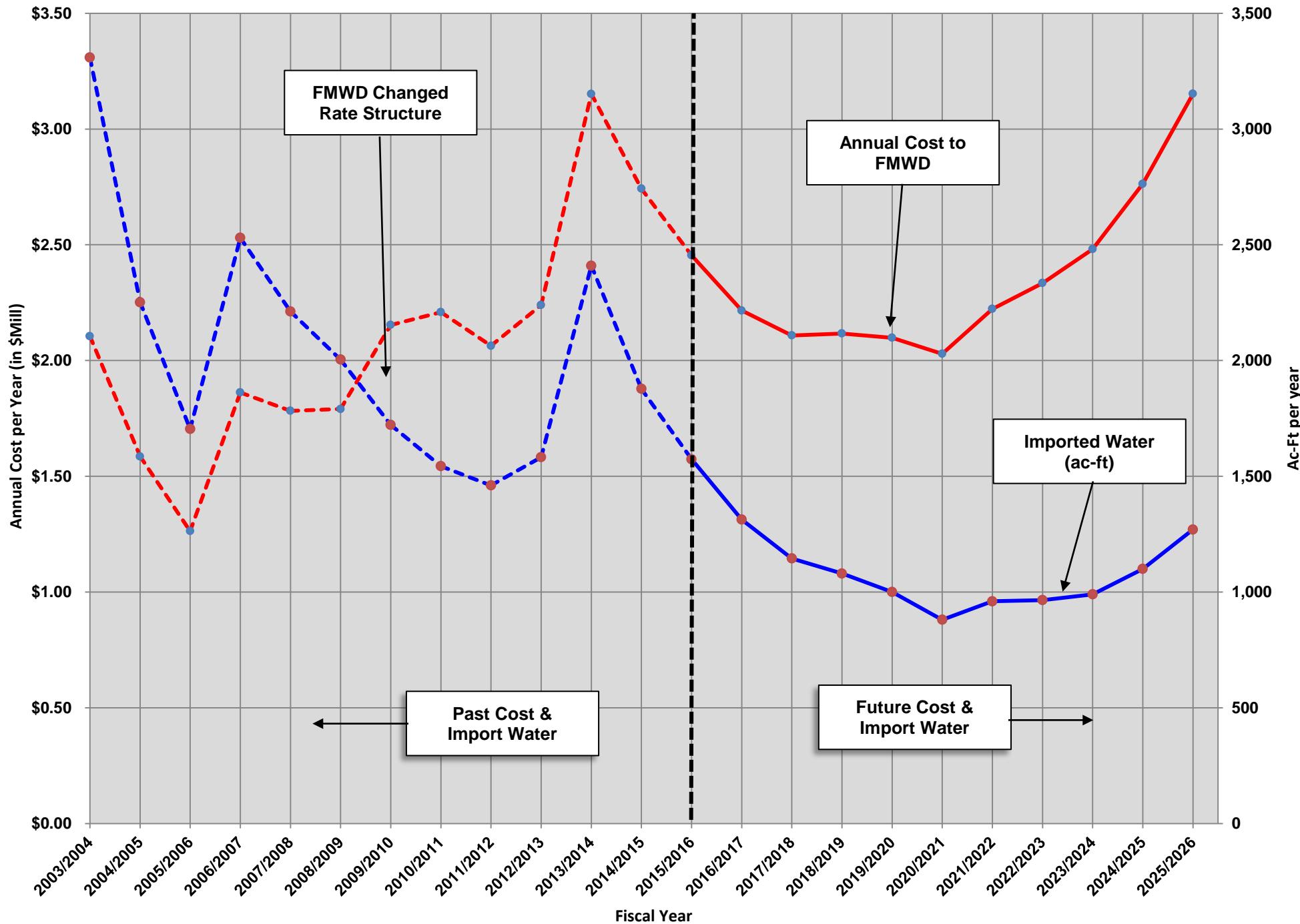
L. A. Sewer System Charges	\$ 1,243,000
Labor & Benefits	\$ 1,580,000
Plant Operations	\$ 65,525
Collection System	\$ 58,900
General & Administrative	\$ 284,400
Capital Outlay & Equipment	\$ 522,000
Depreciation Fund	\$ -
Future Liability Fund	\$ -
Total Expenses	<hr/> \$ 3,753,825

Net Income (Loss) From Operations 2016-2017 \$ (348,825)

Estimated Cash Reserves at June 30, 2017 \$ 4,379,071

Target Reserve Level at June 30, 2017 \$ 2,440,750

FMWD - Annual Cost & Import Water - FY 03/04 to FY 25/26



SUMMARY OF PREVIOUS AND PROJECTED FMWD COSTS

Fiscal Year	Total or Projected FMWD Usage (Ac-Ft)	Percent change from previous year	Tier 1 Cost /Ac-ft		Tier 1 Cost percent increase from previous year	Tier 1 Cost	FMWD Operation Monthly Cost	FMWD Power Monthly Cost	FMWD CIP Monthly Cost	Tier 2 FMWD Usage (Ac-Ft)	Tier 2 Cost /Ac-ft	Tier 2 Cost	GIC Water Usage (Ac-Ft)	Cost	Capacity Charge	Readiness to Serve Charge	Total Invoice	Total Invoice percent increase from previous year	Avg. Cost /Ac-ft	Avg. Cost/acf percent increase from previous year
2003/2004	3,309		\$600	\$610		\$2,000,829				779	\$762	\$48,786	0	\$50	\$30,195	\$25,269	\$2,105,129		\$617	
2004/2005	2,252	-47%	\$628	\$653	4%	\$1,430,721				979	\$790	\$75,217	9	\$2,075	\$39,380	\$39,288	\$1,585,456	-33%	\$699	12%
2005/2006	1,704	-32%	\$653	\$681	4%	\$1,174,598				0	\$777	\$0	2	\$1,060	\$50,318	\$38,262	\$1,263,177	-26%	\$737	5%
2006/2007	2,517	32%	\$681	\$736	8%	\$1,767,696				0	\$832	\$0	8	\$2,126	\$58,478	\$35,791	\$1,861,965	32%	\$736	0%
2007/2008	2,210	-14%	\$736	\$794	8%	\$1,678,802				128	\$892	\$12,326	0	\$600	\$58,478	\$33,145	\$1,782,751	-4%	\$800	8%
2008/2009	2,000	-10%	\$794	\$930	17%	\$1,693,384				0	\$1,046	\$0	0	\$600	\$52,020	\$45,330	\$1,790,734	0%	\$891	10%
2009/2010	1,718	-16%	\$930	\$1,192	28%	\$1,513,393	\$214,272	\$47,279	\$245,232	0	\$1,215	\$0	85	\$18,531	\$46,902	\$67,164	\$2,153,525	17%	\$1,254	29%
2010/2011	1,542	-11%	\$701	\$744	6%	\$1,104,952	\$399,754	\$204,675	\$353,901	0	\$869	\$0	20	\$4,819	\$48,240	\$97,032	\$2,208,804	3%	\$1,432	12%
2011/2012	1,453	-6%	\$744	\$794	7%	\$1,110,710	\$377,303	\$198,042	\$211,001	0	\$920	\$0	9	\$2,471	\$48,072	\$116,070	\$2,063,669	-7%	\$1,420	-1%
2012/2013	1,576	8%	\$794	\$847	7%	\$1,285,990	\$381,989	\$203,381	\$204,665	0	\$997	\$0	6	\$3,704	\$44,664	\$119,004	\$2,239,693	8%	\$1,421	0%
2013/2014	2,409	35%	\$847	\$890	5%	\$2,089,674	\$381,607	\$309,424	\$204,665	0	\$1,032	\$0	0	\$600	\$37,494	\$128,772	\$3,151,636	29%	\$1,308	-9%
2014/2015	1,875	-29%	\$890	\$923	4%	\$1,695,972	\$382,784	\$290,676	\$204,665	30	\$1,055	\$4,288	2	\$1,795	\$28,434	\$135,516	\$2,742,335	-15%	\$1,463	11%
2015/2016	1,573	-19%	\$923	\$942	2%	\$1,463,644	\$392,362	\$228,193	\$204,665	0	\$1,076	\$0	0	\$600	\$39,945	\$120,792	\$2,454,524	-12%	\$1,561	6%
2016/2017	1,313	-20%	\$942	\$979	4%	\$1,255,174	\$417,562	\$186,327	\$204,665	0	\$1,073	\$0	0	\$600	\$49,058	\$103,326	\$2,216,111	-11%	\$1,694	8%
2017/2018	1,145	-15%	\$979	\$1,015	4%	\$1,141,295	\$443,919	\$174,575	\$209,782	0	\$1,127	\$0	0	\$600	\$43,347	\$95,406	\$2,108,324	-5%	\$1,841	8%

SUMMARY OF PREVIOUS AND PROJECTED FMWD COSTS

Fiscal Year	Total or Projected FMWD Usage (Ac-Ft)	Percent change from previous year	Tier 1 Cost /Ac-ft		Tier 1 Cost percent increase from previous year	Tier 1 Cost	FMWD Operation Monthly Cost	FMWD Power Monthly Cost	FMWD CIP Monthly Cost	Tier 2 FMWD Usage (Ac-Ft)	Tier 2 Cost /Ac-ft	Tier 2 Cost	GIC Water Usage (Ac-Ft)	Cost	Capacity Charge	Readiness to Serve Charge	Total Invoice	Total Invoice percent increase from previous year	Avg. Cost /Ac-ft	Avg. Cost/ac-ft percent increase from previous year
2018/2019	1,080	-6%	\$1,015	\$1,053	4%	\$1,116,720	\$466,115	\$170,100	\$220,271	0	\$1,183	\$0	0	\$600	\$45,943	\$97,788	\$2,116,937	0%	\$1,960	6%
2019/2020	1,000	-8%	\$1,053	\$1,092	4%	\$1,069,770	\$489,421	\$162,150	\$231,284	0	\$1,242	\$0	0	\$600	\$47,501	\$98,280	\$2,098,406	-1%	\$2,098	7%
2020/2021	880	-14%	\$1,092	\$1,123	3%	\$974,135	\$513,892	\$147,325	\$242,849	0	\$1,304	\$0	0	\$600	\$49,318	\$101,358	\$2,028,876	-3%	\$2,306	9%
2021/2022	960	8%	\$1,123	\$1,179	5%	\$1,104,751	\$539,587	\$165,575	\$254,991	0	\$1,369	\$0	0	\$600	\$51,615	\$106,420	\$2,222,938	9%	\$2,316	0%
2022/2023	965	1%	\$1,179	\$1,238	5%	\$1,165,590	\$566,566	\$168,875	\$267,740	0	\$1,438	\$0	0	\$600	\$54,196	\$111,741	\$2,334,707	5%	\$2,419	4%
2023/2024	990	3%	\$1,238	\$1,300	5%	\$1,257,917	\$594,894	\$173,250	\$281,127	0	\$1,510	\$0	0	\$600	\$56,905	\$117,328	\$2,481,422	6%	\$2,506	3%
2024/2025	1,100	10%	\$1,300	\$1,365	5%	\$1,467,715	\$624,639	\$192,500	\$295,184	0	\$1,585	\$0	0	\$600	\$59,751	\$123,194	\$2,762,982	10%	\$2,512	0%
2025/2026	1,270	13%	\$1,365	\$1,433	5%	\$1,772,129	\$655,871	\$222,250	\$309,943	0	\$1,665	\$0	0	\$600	\$62,738	\$129,354	\$3,152,285	12%	\$2,482	-1%

Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Carryover to FY 16/17	Budget FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21
1. Water Supply							
A. Groundwater							
i. Well Rehabilitation							
Well 11 Rehabilitation	\$ 14,954						
Well 7 Rehabilitation	\$ -	\$ -					
Well 7 Rehabilitation			\$ 60,000				
Well 10 Rehabilitation				\$ 75,000			
Well 14 Rehabilitation				\$ 50,000			
Well 9 Rehabilitation					\$ 75,000		
Well 12 Rehabilitation					\$ 50,000		
Well 1 Rehabilitation						\$ 75,000	
Well 14 Rehabilitation						\$ 50,000	
Well Rehabilitation (2 Wells per year)							\$ 150,000
ii. New Wells							
Well 16 - Equipment & Pipeline - Design	\$ 425,818	\$ -					
Well 16 - Construction (Grant - Matching Funds)	\$ 902,295	\$ -					
Re-Activate Well 2 - Design	\$ 49,106	\$ 70,895					
Re-Activate Well 2 - Construction	\$ 125,000	\$ -	\$ 720,000	\$ 680,000			
Well 18 (Sycamore House) - Design							\$ 120,000
Well 18 (Sycamore House) - Construction							\$ 130,000
iii. Studies							
Update Water Well Replacement Study							\$ 100,000
B. Imported Water							
CVWD/LADWP Inter. at Ordunio (Grant - Matching Funds)	\$ 27,344	\$ -					
Ocean View Piping & Vaults (Grant - Matching Funds)	\$ 7,704	\$ -					
Ocean View Chlorination St (Grant - Matching Funds)	\$ 236,623	\$ 50,000					
Ocean View - Equip. & Elect (Grant - Matching Funds)	\$ 138,190	\$ 75,000					
C. Groundwater Basin Recharge							
Storm Water Recharge Study (Grant - Matching Funds)	\$ 99,730	\$ 28,270					
Stormwater Recharge Project - Design			\$ 60,000				
Stormwater Recharge Project - Construction					\$ 475,000	\$ 375,000	
D. Recycled Water System							
i. Recycled Water							
ii. Membrane Bioreactor Technology							
WS Total	\$ 2,026,764	\$ 224,165	\$ 840,000	\$ 805,000	\$ 600,000	\$ 500,000	\$ 500,000

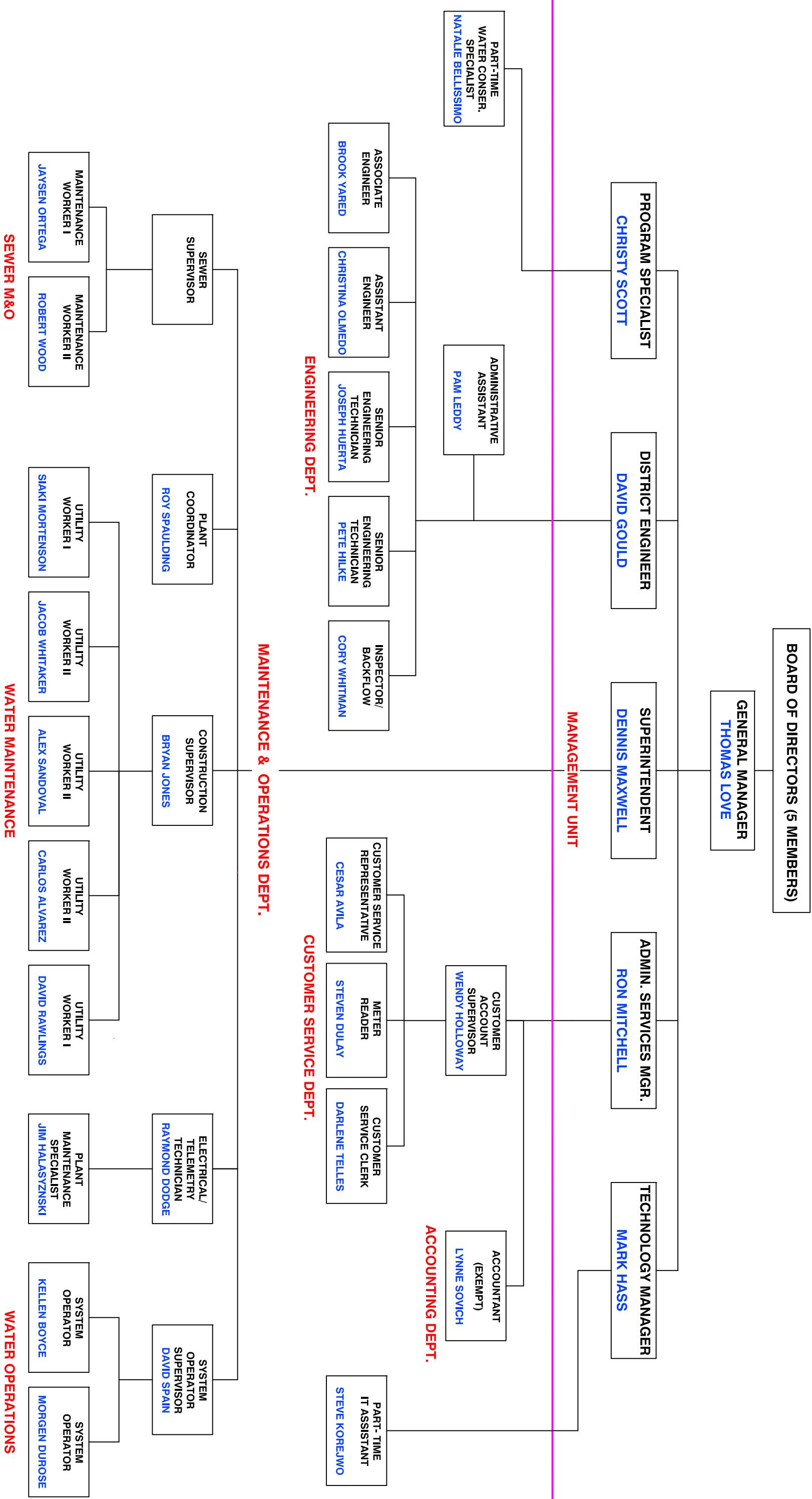
Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Carryover to FY 16/17	Budget FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21
2. Water Storage							
A. Reservoir Rehabilitation							
i. Roof/Vents Rehabilitation							
<i>Oak Creek #1 - Roof/Air Vents/Recoat</i>			\$ 320,000				
<i>Oak Creek #2 - Roof/Air Vents/Recoat</i>				\$ 320,000			
<i>Rosemont - Roof/Air Vents</i>					\$ 300,000		
<i>Markridge - Air Vents</i>						\$ 250,000	
<i>Goss Canyon #1 & #2 - Roof/Air Vents</i>							\$ 400,000
ii. Steel Reservoir Re-Coating							
iii. Concrete Reservoir Rehabilitation							
<i>Encinal Reservoir - Concrete Rehabilitation</i>					\$ 100,000		
iv. Corrosion Protection							
v. Overflow & Drain System Upgrade							
B. Reservoir Water Quality							
i. Water Mixing System							
<i>Reservoir Water Quality & Mixing System Study</i>						\$ 75,000	
<i>Water Quality Mixing System - Design</i>						\$ 75,000	
iv. Replace common inlet and outlet piping							
C. New Reservoir Water Storage							
WS Total	\$ -	\$ -	\$ 320,000	\$ 320,000	\$ 400,000	\$ 400,000	\$ 400,000
3. Water Distribution							
A. Pipeline Replacement							
<i>2900 Block - Paraiso Way - 800 LF</i>	\$ 1,796	\$ -					
<i>2600 Block - Harmony Place - 450 LF</i>	\$ 36,181	\$ 151,800					
<i>3900 Block - Park Place - 450 LF</i>	\$ 36,181	\$ 151,800					
<i>3900 Block - Glenwood - 650 LF</i>	\$ 36,181	\$ 151,800					
<i>2800 Block - Prospect & 4400 Block - Glenwood - 800 LF</i>	\$ 30,743	\$ 76,435					
<i>Lower Pickens Canyon Crossing & Slope - 600 LF</i>	\$ 123,230	\$ -	\$ 500,000				
<i>Annual Pipeline Replacement - 2,000 LF</i>			\$ 600,000				
<i>Annual Pipeline Replacement - 3,000 LF</i>				\$ 900,000			
<i>Annual Pipeline Replacement - 4,000 LF</i>					\$ 1,000,000		
<i>Annual Pipeline Replacement - 4,000 LF</i>						\$ 1,000,000	
<i>Annual Pipeline Replacement - 4,000 LF</i>							\$ 1,200,000

Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Carryover to FY 16/17	Budget FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21
B. New Pipelines							
C. Booster Pump System							
i. Annual Pump /Motor Replacement							
1 - Booster	\$ -	\$ -					
1 - Booster			\$ 50,000				
Annual Booster Replacement - 2 Boosters				\$ 50,000	\$ 70,000	\$ 75,000	\$ 75,000
ii. Pump Station Upgrade							
<i>Upgrade - Paschall Booster Station inlet piping & valves</i>			\$ 75,000	\$ 200,000	\$ 100,000		
iii. VFD Pump Upgrade							
iv. MCC Replacement							
<i>MCC upgrade at Oak Creek</i>	\$ 99,484	\$ -					
<i>MCC upgrade at Paschall</i>			\$ 75,000	\$ 245,000			
<i>MCC upgrade at Goss Canyon</i>					\$ 75,000	\$ 200,000	
<i>MCC upgrade at Cresta Heights</i>						\$ 75,000	\$ 200,000
<i>MCC upgrade at Ocean View</i>							\$ 75,000
D. Pressure Reducing Stations							
E. Miscellaneous Projects							
i. Water Surge Control							
<i>Rehabilitation Surge Tank at Glenwood</i>	\$ -	\$ -	\$ 65,000				
ii. Street/Utility/ Meter Adjustment & Upgrade							
iii. Misc.							
WD Total	\$ 363,796	\$ 531,835	\$ 1,365,000	\$ 1,395,000	\$ 1,245,000	\$ 1,350,000	\$ 1,550,000
4. Water Treatment							
A. Nitrate Removal							
i. Glenwood							
ii. Mills							
B. Chlorine Disinfection							
<i>New Chlorination Station at Markridge Reservoir</i>					\$ 50,000		
<i>New Chlorine Analyzers at Various Sites</i>						\$ 75,000	\$ 75,000
C. Convert to Chloramines							
D. New Federal and State Regulations							
E. Water Quality Studies							

Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Carryover to FY 16/17	Budget FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21
F. MTBE Removal							
WT Total	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000
5. Technology							
A. Automated Meter Information (AMI) System							
B. Supervisory Control and Data Acquisition (SCADA) System							
SCADA RTU Replace - Equipment & Integration	\$ 59,327	\$ -	\$ 180,000	\$ 205,000	\$ 430,000	\$ 350,000	
C. Graphical Information System (GIS)							
TECH Total	\$ 59,327	\$ -	\$ 200,000	\$ 205,000	\$ 430,000	\$ 350,000	\$ -
6. Public Safety/Emergency Response							
A. Emergency Electrical Generators							
New Emergency Electrical Generator - Main Office							
New Emergency Electrical Generator - Mills Plant							
New Emergency Electrical Generator - Field							
B. Water Storage							
Seismic Sensors & Valve Actuators - Duns/Pickens	\$ -	\$ -	\$ 75,000				
Seismic Sensors & Valve Actuators - Oak Creek				\$ 75,000			
Seismic Sensors & Valve Actuators - Ordunio					\$ 75,000		
Seismic Sensors & Valve Actuators - Oak Creek							
C. Security							
Security Cameras & Equipment - Glenwood, Mills & Main Office							
Security Cameras - Well Sites							
Security Cameras - Reservoir Sites							
Security Cameras - Other Sites							
D. Miscellaneous							
Diesel Fuel Storage Tank							
SF/ER Total	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -
7. Facilities & Planning							
A. Main Office							
B. Glenwood Plant							
C. Mills Plant							
D. Reservoir Site Improvements							
Roof Replacement at Old Encinal						\$ 125,000	

Capital Improvement Project Program 10-year CIP Budget	Projected FY 15/16	Carryover to FY 16/17	Budget FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21
<i>Pickens - Access Road Improvements</i>							\$ 175,000
<i>Edmund #2 - Lower Access Road Improvements</i>							\$ 100,000
5. Misc. Properties							
6. District Planning							
F & P Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 275,000
Capital Improvement Projects - Total	\$ 2,449,887	\$ 756,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000

CRESSENTA VALLEY WATER DISTRICT ORGANIZATION CHART



ORGANIZATION CHART - FY 16/17

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

Table Water Budget - WB-2 Water Production and Costs - FY 16/17 - Adopted June 28, 2016

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Well Production (Verdugo Basin)	2,372	2,146	2,190	1,758	1,950	2,100	2,220	2,400	2,620
Well Production (GWP)	0	0	410	169	555	555	600	600	600
Foothill MWD Purchases ⁽⁴⁾	2,410	1,875	1,245	1,563	1,195	1,145	1,080	1,000	880
Total Production⁽¹⁾⁽²⁾	4,782	4,021	3,845	3,490	3,700	3,800	3,900	4,000	4,100
Shrinkage (percent) ⁽³⁾	8%	8%	8%	8%	8%	8%	8%	8%	8%
Less Shrinkage (ac-ft)	383	322	308	279	296	304	312	320	328
Total billable consumption (sales)	4,399	3,699	3,537	3,211	3,404	3,496	3,588	3,680	3,772
FMWD Purchased Water	2,410	1,875	1,245	1,563	1,195	1,145	1,080	1,000	880
FMWD Unit Charge (\$/ac-ft)	\$ 1,308	\$ 1,461	\$ 1,681	\$ 1,565	\$ 1,757	\$ 1,841	\$ 1,960	\$ 2,098	\$ 2,306
FMWD Cost	\$ 3,151,636	\$ 2,742,335	\$ 2,093,000	\$ 2,445,924	\$ 2,099,400	\$ 2,108,300	\$ 2,116,900	\$ 2,098,400	\$ 2,028,900
Cost Increase/Decrease from FMWD Unit Charge	\$ (104)	\$ 153	\$ 220	\$ 104	\$ 192	\$ 84	\$ 119	\$ 138	\$ 207
Percent FMWD Cost Increase/Decrease	-7.38%	11.72%	15.04%	7.11%	12.26%	4.81%	6.45%	7.06%	9.87%
Well Production (GWP)			410	169	555	555	600	600	600
GWP Unit Charge (\$/ac-ft)			\$ 480	\$ 480	\$ 417	\$ 433	\$ 441	\$ 456	\$ 473
GWP Cost			\$196,800	\$81,120	\$231,435	\$240,315	\$264,600	\$273,600	\$283,800

Notes:

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

Water Budget Table WB-3 Sources of Water Funds - FY 16/17 -Adopted June 28, 2016									
Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Sources of Funds - Variable Sources									
Water Sales - Consumers	\$ 7,463,415	\$ 6,594,471	\$ 6,868,000	\$ 5,973,000	\$ 6,953,000	\$ 7,654,000	\$ 8,439,000	\$ 9,303,000	\$ 10,199,000
Water Sales - CVWD	\$ 4,843,462	\$ 4,162,173	\$ 6,868,000	\$ 5,973,000	\$ 6,953,000	\$ 7,654,000	\$ 8,439,000	\$ 9,303,000	\$ 10,199,000
Water Sale - FMWD	\$ 2,619,953	\$ 2,432,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - Water	\$ 125,914	\$ 91,782	\$ 100,000	\$ 100,000	\$ 107,000	\$ 99,000	\$ 89,000	\$ 87,000	\$ 91,000
Gain/Loss on Sale of Investments	\$ 47,243	\$ 94,125	\$ -	\$ 40,000	\$ 56,000	\$ 51,000	\$ 48,000	\$ 47,000	\$ 49,000
Fair Value Adjustment	\$ 202,439	\$ (122,475)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - MTBE Reserve Fund	\$ 46,780	\$ 103,498	\$ 125,000	\$ 110,000	\$ 77,000	\$ 79,000	\$ 81,000	\$ 83,000	\$ 85,000
Subtotal variable sources	\$ 7,885,791	\$ 6,761,401	\$ 7,093,000	\$ 6,223,000	\$ 7,193,000	\$ 7,883,000	\$ 8,657,000	\$ 9,520,000	\$ 10,424,000
Sources of Funds - Stable Sources									
Water Sales - Service Charge	\$ 1,731,323	\$ 1,828,481	\$ 1,938,000	\$ 1,936,000	\$ 2,247,000	\$ 2,412,000	\$ 2,596,000	\$ 2,795,000	\$ 2,994,000
Fire Service Meter Charge	\$ 31,667	\$ 33,300	\$ 34,000	\$ 34,000	\$ 38,000	\$ 41,000	\$ 45,000	\$ 48,000	\$ 52,000
Late Fees/Fire Hydrant Flow/Backflow Tests	\$ 70,271	\$ 71,455	\$ 70,000	\$ 77,000	\$ 80,000	\$ 83,000	\$ 86,000	\$ 89,000	\$ 92,000
Other Income - Water	\$ -	\$ -	\$ 7,000	\$ 3,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Rental Property Income	\$ 21,573	\$ 22,200	\$ 22,500	\$ 23,000	\$ 23,000	\$ 23,000	\$ 23,000	\$ 26,000	\$ 26,000
Subtotal - Stable Sources	\$ 1,854,834	\$ 1,955,436	\$ 2,071,500	\$ 2,073,000	\$ 2,393,000	\$ 2,564,000	\$ 2,755,000	\$ 2,963,000	\$ 3,169,000
Sources of Funds - CIP Sources									
Water Systems Connect Fee	\$ 62,660	\$ 40,212	\$ 39,800	\$ 34,000	\$ 45,000	\$ 50,000	\$ 55,000	\$ 60,000	\$ 60,000
Meter Installation/Hydrant Charges	\$ 24,883	\$ 148,150	\$ 50,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 70,000	\$ 80,000	\$ 90,000
Grant Revenue	\$ 78,772	\$ 49,273	\$ 1,400,000	\$ 698,025	\$ 1,150,250	\$ 620,475	\$ 285,300	\$ 250,000	\$ 250,000
Gain/Loss on Sale of Assets	\$ 4,360	\$ 664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earned - COP Bonds (not included in subtotal or total)	\$ 223	\$ 162	\$ 200	\$ 200	\$ 200	\$ -	\$ -	\$ -	\$ -
Subtotal CIP Sources	\$ 170,898	\$ 238,461	\$ 1,490,000	\$ 762,225	\$ 1,225,450	\$ 730,475	\$ 410,300	\$ 390,000	\$ 400,000
TOTAL SOURCE OF FUNDS	\$ 9,911,523	\$ 8,955,298	\$ 10,654,500	\$ 9,058,225	\$ 10,811,450	\$ 11,177,475	\$ 11,822,300	\$ 12,873,000	\$ 13,993,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 16/17 - Adopted June 28, 2016

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
COMPENSATION AND BENEFITS									
Director Fees	\$ 8,370	\$ 9,225	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
Compensation									
Officer Salaries	\$ 144,628	\$ 150,010	\$ 164,500	\$ 164,500	\$ 170,000	\$ 171,000	\$ 172,000	\$ 174,000	\$ 176,000
Administrative Services Labor	\$ 312,017	\$ 332,408	\$ 360,000	\$ 355,000	\$ 366,000	\$ 371,000	\$ 376,000	\$ 382,000	\$ 385,000
Administrative Services Labor - OT	\$ 6,127	\$ 3,209	\$ 3,000	\$ 4,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Engineering Department Labor	\$ 301,033	\$ 291,255	\$ 436,000	\$ 290,000	\$ 298,000	\$ 301,000	\$ 308,000	\$ 313,000	\$ 317,000
Engineering Department Labor-OT	\$ 2,164	\$ 2,627	\$ 2,000	\$ 6,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000
Plant - Office Labor	\$ 219,552	\$ 202,521	\$ 236,000	\$ 158,800	\$ 221,000	\$ 223,000	\$ 225,000	\$ 228,000	\$ 243,000
Plant - Office Labor-OT	\$ 466	\$ 352	\$ 400	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -
System Operators Labor	\$ 295,911	\$ 274,129	\$ 324,000	\$ 277,000	\$ 298,000	\$ 301,000	\$ 304,000	\$ 307,000	\$ 310,000
System Operators Labor-OT	\$ 24,712	\$ 24,973	\$ 27,000	\$ 21,900	\$ 22,000	\$ 22,000	\$ 22,000	\$ 23,000	\$ 23,000
Utility Workers Labor	\$ 294,955	\$ 325,943	\$ 372,000	\$ 338,000	\$ 345,000	\$ 356,000	\$ 364,000	\$ 374,000	\$ 398,000
Utility Workers Labor-OT	\$ 42,065	\$ 51,582	\$ 45,000	\$ 45,000	\$ 52,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Standby Pay	\$ 42,002	\$ 41,038	\$ 41,000	\$ 43,300	\$ 43,000	\$ 44,000	\$ 44,000	\$ 45,000	\$ 46,000
Auto Allowance	\$ 8,700	\$ 9,075	\$ 10,000	\$ 10,200	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Labor Transfer to Capital	(\$ 128,358)		(\$ 150,000)	\$ -	\$ -	combined with Engineering Dept. Labor			\$ -
Compensation Total	\$ 1,702,702	\$ 1,718,347	\$ 1,878,900	\$ 1,722,000	\$ 1,841,000	\$ 1,866,000	\$ 1,893,000	\$ 1,926,000	\$ 1,979,000
Sick and Vacation - Office	\$ 67,986	\$ 133,363	\$ 107,000	\$ 102,000	\$ 112,000	\$ 112,000	\$ 113,000	\$ 115,000	\$ 116,000
Sick and Vacation - Plant	\$ 45,324	\$ 88,909	\$ 71,000	\$ 68,000	\$ 74,000	\$ 74,000	\$ 76,000	\$ 77,000	\$ 77,000
Taxes - Payroll (Total Employees)	\$ 126,904	\$ 130,866	\$ 136,000	\$ 132,700	\$ 139,000	\$ 141,000	\$ 143,000	\$ 145,000	\$ 147,000
PERS Retirement (Total Employees)	\$ 264,073	\$ 274,681	\$ 291,000	\$ 270,000	\$ 315,000	\$ 342,000	\$ 367,000	\$ 392,000	\$ 404,000
Workers' Compensation - Office	\$ 14,131	\$ 13,221	\$ 16,000	\$ 19,800	\$ 21,000	\$ 18,000	\$ 16,000	\$ 13,000	\$ 13,000
Workers' Compensation - Plant	\$ 58,439	\$ 56,460	\$ 74,000	\$ 80,300	\$ 90,000	\$ 82,000	\$ 71,000	\$ 57,000	\$ 58,000
Health and Dental and Vision - Office	\$ 124,616	\$ 136,220	\$ 137,000	\$ 130,700	\$ 128,000	\$ 131,000	\$ 133,000	\$ 136,000	\$ 138,000
Life & Disability Insurance - Office & Plant	\$ 8,374	\$ 9,497	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 11,000	\$ 12,000
Health and Dental and Vision - Plant	\$ 132,108	\$ 140,649	\$ 152,000	\$ 136,300	\$ 140,000	\$ 142,000	\$ 145,000	\$ 148,000	\$ 150,000
Self Insurance	\$ 11,286	\$ 9,301	\$ 13,000	\$ 6,600	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Retiree - Health Care Expense	\$ 86,345	\$ 74,635	\$ 79,000	\$ 72,100	\$ 74,000	\$ 75,000	\$ 77,000	\$ 78,000	\$ 80,000
Benefits Total	\$ 939,586	\$ 1,067,802	\$ 1,086,000	\$ 1,028,500	\$ 1,116,000	\$ 1,140,000	\$ 1,164,000	\$ 1,185,000	\$ 1,208,000
TOTAL COMPENSATION AND BENEFITS	\$ 2,642,288	\$ 2,786,149	\$ 2,964,900	\$ 2,750,500	\$ 2,957,000	\$ 3,006,000	\$ 3,057,000	\$ 3,111,000	\$ 3,187,000
PLANT - WATER OPERATION									
Taxes - Property	\$ 12,030	\$ 12,302	\$ 12,800	\$ 12,800	\$ 13,300	\$ 13,800	\$ 14,300	\$ 14,800	\$ 15,300
Glenwood - Plant Maintenance	\$ 10,417	\$ 35,332	\$ 25,000	\$ 20,000	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ 27,000
Glenwood - Landscape	\$ 4,716	\$ 5,460	\$ 7,500	\$ 5,900	\$ 5,500	\$ 6,000	\$ 6,500	\$ 7,000	\$ 7,500
Office Supplies & Misc Expenses - Plant	\$ 8,880	\$ 9,369	\$ 6,000	\$ 7,000	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000
Glenwood - Utilities	\$ 16,329	\$ 17,368	\$ 14,000	\$ 14,000	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Glenwood - Enterprise Communications - Move to Office	\$ 37,923	\$ 42,352	\$ -	\$ -	\$ -	combined 01-01-5225		\$ -	\$ -
Glenwood - Wireless Voice & Data Communications	\$ 8,159	\$ 10,135	\$ -	\$ -	\$ -	combined 01-01-5226		\$ -	\$ -
Training - Plant	\$ 7,010	\$ 6,307	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,500	\$ 8,700
Education Reimbursement/Certifications	\$ 5,675	\$ 3,707	\$ 4,000	\$ 5,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000	\$ 5,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 16/17 - Adopted June 28, 2016

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Glenwood - Safety and Security System	\$ 25,889	\$ 16,888	\$ 17,000	\$ 20,000	\$ 17,000	\$ 17,500	\$ 18,000	\$ 18,500	\$ 19,000
Glenwood - Uniforms	\$ 9,700	\$ 9,865	\$ 8,500	\$ 11,000	\$ 9,000	\$ 9,500	\$ 10,000	\$ 10,500	\$ 11,000
Permit & Assessment Fees	\$ 1,198	\$ 1,230	\$ 1,500	\$ 2,300	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Tools and Equipment Maintenance	\$ 12,008	\$ 14,961	\$ 20,000	\$ 13,500	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Nitrate Plant Maintenance	\$ 39,189	\$ 49,440	\$ 80,000	\$ 56,500	\$ 70,000	\$ 75,000	\$ 77,000	\$ 79,000	\$ 81,000
SCADA - Telemetry & Signal	\$ 8,241	\$ 7,687	\$ 13,500	\$ 6,000	\$ 10,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
SCADA Hardware	\$ 2,861	\$ 11,182	\$ 6,000	\$ 1,500	\$ 6,000	\$ 8,000	\$ 9,000	\$ 10,000	\$ 11,000
SCADA Software	\$ 204	\$ -	\$ 12,000	\$ 10,000	\$ 13,000	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000
SCADA - Communications	\$ 1,593	\$ 1,431	\$ 3,500	\$ 2,000	\$ 2,500	\$ 3,000	\$ 3,500	\$ 4,000	\$ 4,500
Lab & Sampling	\$ 52,308	\$ 93,575	\$ 65,000	\$ 50,000	\$ 65,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000
Chlorine & Treatment	\$ 61,361	\$ 72,859	\$ 75,000	\$ 71,000	\$ 71,000	\$ 73,000	\$ 75,000	\$ 78,000	\$ 80,000
TOTAL PLANT WATER OPERATION	\$ 325,691	\$ 421,450	\$ 415,500	\$ 315,500	\$ 356,800	\$ 377,800	\$ 394,300	\$ 410,300	\$ 425,000
DISTRIBUTION SYSTEM EXPENSES									
Backflow Expense	\$ 389	\$ 331	\$ 250	\$ 250	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Maintenance	\$ 18,930	\$ 55,643	\$ 50,000	\$ 30,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000	\$ 55,000
Pipelines - Paving	\$ 12,908	\$ 19,030	\$ 17,000	\$ 22,000	\$ 20,000	\$ 21,000	\$ 22,000	\$ 23,000	\$ 24,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	\$ 547	\$ 9,939	\$ 12,000	\$ 15,500	\$ 13,000	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000
Pipelines - Leak Detection/Leak Repair	\$ 330	\$ 550	\$ 3,000	\$ 3,000	\$ 25,000	\$ 5,000	\$ 25,000	\$ 5,000	\$ 6,000
Pipelines - Trench Plate Rentals	\$ 1,229	\$ 4,373	\$ 1,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,000
Pipelines - Water Sampling Stations	\$ 669	\$ 1,252	\$ 500	\$ 250	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Valves	\$ -	\$ -	\$ 3,000	\$ 2,500	\$ 4,000	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000
Reservoir - Maintenance	\$ 30,917	\$ 73,564	\$ 80,000	\$ 60,000	\$ 80,000	\$ 77,000	\$ 80,000	\$ 83,000	\$ 86,000
Reservoir - Landscape	\$ 19,855	\$ 14,752	\$ 22,000	\$ 20,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000	\$ 21,000
Meters - Maintenance	\$ 328,235	\$ 265,372	\$ 275,000	\$ 255,000	\$ 250,000	\$ 225,000	\$ 185,000	\$ 185,000	\$ 185,000
Meters - Paving	\$ 337,413	\$ 186,142	\$ 275,000	\$ 262,000	\$ 230,000	\$ 230,000	\$ 235,000	\$ 240,000	\$ 240,000
Meters - Repair/Replacement/Upgrade	\$ 4,948	\$ 4,823	\$ 15,000	\$ 5,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Meters - Lateral Leaks	\$ 90,443	\$ 58,875	\$ 150,000	\$ 50,000	\$ 76,000	\$ 75,000	\$ 76,000	\$ 77,000	\$ 78,000
Meters - Trench Plate Rentals	\$ 6,475	\$ 3,420	\$ 2,000	\$ 1,500	\$ 2,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Meters - D-jobs	\$ 9,710	\$ 101,219	\$ 8,000	\$ 14,500	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 10,000
Wells - Maintenance	\$ 27,331	\$ 54,389	\$ 32,000	\$ 7,000	\$ 45,000	\$ 33,000	\$ 37,000	\$ 41,000	\$ 44,000
Wells - Landscape	\$ 7,581	\$ 3,360	\$ 3,500	\$ 3,500	\$ 5,000	\$ 5,000	\$ 6,000	\$ 6,000	\$ 6,000
Wells - Rent	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300
Booster Pump - Maintenance	\$ 58,700	\$ 18,453	\$ 60,000	\$ 63,000	\$ 57,000	\$ 63,000	\$ 72,000	\$ 77,000	\$ 82,000
Emergency Generators	\$ 11,712	\$ 21,348	\$ 22,000	\$ 16,000	\$ 22,500	\$ 23,000	\$ 23,500	\$ 24,000	\$ 24,500
Auto/Truck - Maintenance	\$ 76,727	\$ 72,212	\$ 50,000	\$ 60,000	\$ 55,000	\$ 57,000	\$ 59,000	\$ 61,000	\$ 62,000
Auto/Truck - Gas	\$ 25,875	\$ 21,008	\$ 17,500	\$ 16,000	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 22,000
Auto/Truck - Diesel	\$ 17,042	\$ 18,566	\$ 17,500	\$ 14,000	\$ 18,000	\$ 18,500	\$ 19,000	\$ 19,500	\$ 20,000
TOTAL DISTRIBUTION SYSTEM EXPENSES	\$ 1,112,362	\$ 1,008,921	\$ 1,117,050	\$ 923,800	\$ 1,012,300	\$ 964,800	\$ 977,300	\$ 983,800	\$ 1,004,800

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 16/17 - Adopted June 28, 2016									
Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
GENERAL AND ADMINISTRATIVE EXPENSES									
General Liability Insurance	\$ 46,256	\$ 44,131	\$ 53,000	\$ 53,000	\$ 56,000	\$ 59,000	\$ 62,000	\$ 65,000	\$ 68,000
Accounting - Audit	\$ 15,079	\$ 11,515	\$ 13,000	\$ 13,000	\$ 13,000	\$ 14,500	\$ 15,000	\$ 15,500	\$ 16,000
Legal Consulting Fees	\$ 42,935	\$ 85,614	\$ 45,000	\$ 66,000	\$ 47,000	\$ 49,000	\$ 51,000	\$ 53,000	\$ 55,000
Administrative Consultants	\$ 34,711	\$ 73,932	\$ 120,000	\$ 90,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 100,000
Election Expense	\$ 36,751	\$ -	\$ 40,000	\$ -	\$ -	\$ 45,000	\$ -	\$ 50,000	\$ -
Office Maintenance	\$ 10,135	\$ 9,652	\$ 12,000	\$ 10,000	\$ 12,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Landscape Maintenance - Office	\$ 5,129	\$ 6,631	\$ 7,500	\$ 6,500	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500
Office Supplies & Misc Expenses - Office	\$ 5,459	\$ 5,041	\$ 5,500	\$ 6,500	\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500
Computer Hardware	\$ 21,660	\$ 24,719	\$ 27,000	\$ 27,000	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Computer Software	\$ 18,067	\$ 27,965	\$ -	\$ -	\$ -	Combined with Computer Software, Maint. Lic			
Computer Software, Maintenance, Licenses	\$ 17,551	\$ 19,353	\$ 60,000	\$ 45,000	\$ 50,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Utilities - Office	\$ 17,998	\$ 19,978	\$ 20,000	\$ 20,000	\$ 21,000	\$ 21,500	\$ 22,000	\$ 22,500	\$ 23,000
Enterprise Voice Communications	\$ 24,475	\$ 25,463	\$ 12,750	\$ 40,000	\$ 40,000	\$ 41,000	\$ 42,000	\$ 43,000	\$ 44,000
Data Communications - Fiber Lines/Internet	\$ -	\$ -	\$ 48,750	\$ 45,000	\$ 49,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000
Wireless Voice & Data Communications-cell	\$ 15,078	\$ 5,670	\$ 29,500	\$ 14,000	\$ 14,000	\$ 15,000	\$ 15,500	\$ 16,000	\$ 16,500
Printing, Postage, Stationery, Copier Maint.	\$ 41,638	\$ 43,423	\$ 37,000	\$ 35,000	\$ 37,500	\$ 38,000	\$ 38,500	\$ 39,500	\$ 40,500
Uncollectible Accounts-Water	\$ 9,190	\$ 9,312	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 4,000	\$ 4,000	\$ 4,500
Water System Fees (DHS, RWQCB, LAFCO, Misc)	\$ 47,454	\$ 46,503	\$ 60,000	\$ 46,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Engineering Department	\$ 10,511	\$ 10,660	\$ 9,900	\$ 10,800	\$ 11,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000
Water Conservation	\$ 31,208	\$ 22,848	\$ 45,000	\$ 26,000	\$ 30,000	\$ 31,000	\$ 32,000	\$ 33,000	\$ 34,000
Pipeline/Advertising - Water Conservation	\$ -	\$ 1,309	\$ 5,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Turf Rebates - Water Conservation	\$ 51,061	\$ 109,470	\$ 35,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -
Device Rebates - Water Conservation	\$ 50	\$ 3,775	\$ 5,000	\$ 3,500	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Community Outreach	\$ -	\$ 534	\$ 12,000	\$ 9,200	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000
Training - Office	\$ 5,931	\$ 3,271	\$ 3,000	\$ 3,000	\$ 3,500	\$ 4,000	\$ 4,500	\$ 5,000	\$ 5,500
Conferences and Seminars - Office	\$ 10,260	\$ 7,518	\$ 10,000	\$ 8,000	\$ 9,000	\$ 10,000	\$ 11,000	\$ 12,000	\$ 13,000
Board of Directors - Conferences and Seminars	\$ 3,216	\$ 2,265	\$ 2,300	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,500	\$ 6,000	\$ 6,500
Misc Administration - Office	\$ 2,598	\$ 5,292	\$ 5,000	\$ 4,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Board of Directors - Misc Administration	\$ 1,286	\$ 1,758	\$ 2,000	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Membership Renewals/Subscriptions	\$ 23,501	\$ 22,893	\$ 26,000	\$ 20,000	\$ 22,000	\$ 23,000	\$ 24,000	\$ 25,000	\$ 26,000
Bank Charges	\$ 12,818	\$ 14,971	\$ 15,500	\$ 20,000	\$ 21,500	\$ 22,500	\$ 23,500	\$ 24,500	\$ 25,500
Rental Property	\$ -	\$ 2,314	\$ 3,100	\$ 3,100	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES	\$ 561,706	\$ 667,780	\$ 735,600	\$ 671,100	\$ 692,000	\$ 756,000	\$ 731,000	\$ 801,000	\$ 742,000
<i>Emergency Operations</i>	\$ -	\$ -	\$ 2,000	\$ 1,000	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000
EMERGENCY OPERATIONS	\$ -	\$ -	\$ 2,000	\$ 1,000	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000
TOTAL EXPENSE	\$ 4,642,047	\$ 4,884,300	\$ 5,235,050	\$ 4,661,900	\$ 5,020,100	\$ 5,106,600	\$ 5,162,600	\$ 5,309,100	\$ 5,361,800
Total O & M Expense (w/o Labor & Benefits)	\$ 1,999,759	\$ 2,098,151	\$ 2,270,150	\$ 1,911,400	\$ 2,063,100	\$ 2,100,600	\$ 2,105,600	\$ 2,198,100	\$ 2,174,800

Water Budget Table WB-5 Water - Purchase Water & Power - FY 16/17 - Adopted June 28, 2016									
Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Purchased Water - FWMD (ac-ft)	2,410	1,875	1,245	1,563	1,195	1,145	1,080	1,000	880
Projected FMWD Cost	\$ 3,150,800	\$ 2,741,033	\$ 2,093,000	\$ 2,445,924	\$ 2,099,400	\$ 2,108,300	\$ 2,116,900	\$ 2,098,400	\$ 2,028,900
Purchased Water - GWP (ac-ft)	0	0	410	169	555	555	600	600	600
Projected GWP Cost	\$ -	\$ -	\$ 196,800	\$ 81,120	\$ 231,435	\$ 240,315	\$ 264,600	\$ 273,600	\$ 283,800
Purchased Power Cost	\$ 672,908	\$ 682,044	\$ 678,000	\$ 640,300	\$ 695,000	\$ 716,000	\$ 737,000	\$ 759,000	\$ 778,000
SCE	\$ 301,975	\$ 296,387	\$ 294,000	\$ 253,000	\$ 265,000	\$ 272,950	\$ 281,139	\$ 289,573	\$ 296,812
Glendale	\$ 380,074	\$ 388,734	\$ 389,000	\$ 387,500	\$ 430,000	\$ 442,900	\$ 456,187	\$ 469,873	\$ 481,619
Constellation Credit	\$ (9,141)	\$ (3,077)	\$ (5,000)	\$ (200)	\$ (500)	-	-	-	-
% Increase/Decrease - Import Water Cost	41.1%	-13.0%	-23.6%	-10.8%	-14.2%	0.4%	0.4%	-0.9%	-3.3%
% Increase/Decrease - Power Cost	4.5%	1.4%	-0.6%	-6.1%	8.5%	3.0%	3.0%	3.0%	2.5%
Power cost/ac-ft	\$141	\$170	\$176	\$183	\$188	\$188	\$189	\$190	\$190

Water Budget Table WB - 6 Water Capital Outlay & Equipment - FY 16/17 - Adopted June 28, 2016

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

Water Budget Table WB -7 Water - Capital Improvement Projects - FY 16/17 - Adopted June 28, 2016										
Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	
Water Supply	\$ 352,370	\$ 545,588	\$ 1,945,000	\$ 2,278,754	\$ 840,000	\$ 805,000	\$ 600,000	\$ 500,000	\$ 500,000	
Water Storage	\$ 350,043	\$ 172,335	\$ -	\$ -	\$ 320,000	\$ 320,000	\$ 400,000	\$ 400,000	\$ 400,000	
Water Distribution	\$ 641,526	\$ 1,143,405	\$ 880,000	\$ 812,852	\$ 1,365,000	\$ 1,395,000	\$ 1,245,000	\$ 1,350,000	\$ 1,550,000	
Water Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000	
Technology	\$ 21,847	\$ 25,524	\$ 315,000	\$ 56,000	\$ 200,000	\$ 205,000	\$ 430,000	\$ 350,000	\$ -	
Public Safety/Emergency Response	\$ -	\$ 93,754	\$ 75,000	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -	
Facilities & Planning	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 275,000	
Total CIP	\$ 1,365,786	\$ 1,980,606	\$ 3,215,000	\$ 3,147,606	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	

Water Budget Table WB - 8 Water Reserve Targets - FY 16/17 - Adopted June 28, 2016									
Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Rate stabilization (a)	\$ 1,888,000	\$ 1,670,000	\$ 1,902,000	\$ 1,493,000	\$ 1,738,000	\$ 1,914,000	\$ 2,110,000	\$ 2,326,000	\$ 2,550,000
Emergency fund (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
<i>Labor & benefits</i>	\$ 2,642,288	\$ 2,786,149	\$ 2,961,000	\$ 2,750,500	\$ 2,957,000	\$ 3,006,000	\$ 3,057,000	\$ 3,111,000	\$ 3,187,000
<i>Power</i>	\$ 672,908	\$ 682,044	\$ 678,000	\$ 640,300	\$ 695,000	\$ 716,000	\$ 737,000	\$ 759,000	\$ 778,000
<i>Operating expenses</i>	\$ 1,999,759	\$ 2,098,151	\$ 2,306,800	\$ 1,911,400	\$ 2,063,100	\$ 2,100,600	\$ 2,105,600	\$ 2,198,100	\$ 2,174,800
<i>O & M Costs</i>	\$ 5,314,955	\$ 5,566,344	\$ 5,945,800	\$ 5,302,200	\$ 5,715,100	\$ 5,822,600	\$ 5,899,600	\$ 6,068,100	\$ 6,139,800
Working cash (c)	\$ 885,826	\$ 927,724	\$ 990,967	\$ 883,700	\$ 952,517	\$ 970,433	\$ 983,267	\$ 1,011,350	\$ 1,023,300
Total target cash reserves	\$ 3,524,000	\$ 3,348,000	\$ 3,643,000	\$ 3,127,000	\$ 3,441,000	\$ 3,634,000	\$ 3,843,000	\$ 4,087,000	\$ 4,323,000

Note:

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

Water Budget Table WB - 8A MTBE Fund Reserve - FY 16/17 - Adopted June 28, 2016

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
MTBE - Income									
MTBE Settlement	\$ 6,845,647	\$ -	\$ -	\$ 6,320	\$ -	\$ -	\$ -	\$ -	\$ -
Repayment from CVWD General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
MTBE - Income from Sale of Investments	\$ 47,243	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Income	\$ 6,892,890	\$ -	\$ -	\$ 6,320	\$ -	\$ -	\$ -	\$ -	\$ 500,000
MTBE - Expense									
Transfer to CVWD General Fund	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
Lab Expense	\$ 62,427	\$ 43,798	\$ 50,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 25,000
Labor Expense	\$ -	\$ -	\$ 12,000	\$ -	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 6,000
Administrative Consultant	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -
Total Expense	\$ 62,427	\$ 43,798	\$ 2,102,000	\$ 2,035,000	\$ 1,043,000	\$ 43,000	\$ 43,000	\$ 118,000	\$ 31,000
Increase (Decrease) to Fund	\$ 6,830,463	\$ (43,798)	\$ (2,102,000)	\$ (2,028,680)	\$ (1,043,000)	\$ (43,000)	\$ (43,000)	\$ (118,000)	\$ 469,000
MTBE Reserve Fund									
FY Begin Available MTBE Reserve Funds	\$ 2,049,556	\$ 8,880,019	\$ 8,836,221	\$ 8,836,221	\$ 6,807,541	\$ 5,764,541	\$ 5,721,541	\$ 5,678,541	\$ 5,560,541
FY End Available MTBE Reserve Funds	\$ 8,880,019	\$ 8,836,221	\$ 6,734,221	\$ 6,807,541	\$ 5,764,541	\$ 5,721,541	\$ 5,678,541	\$ 5,560,541	\$ 6,029,541

Note:

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

Water Budget Table WB-9 - Total Sources - FY 16/17 - Adopted June 28, 2016

	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
REVENUE									
Service Readiness Charge Revenue	\$ 1,731,323	\$ 1,828,481	\$ 1,938,000	\$ 1,936,000	\$ 2,247,000	\$ 2,412,000	\$ 2,596,000	\$ 2,795,000	\$ 2,994,000
Metered sales of water (CVWD Costs)	\$ 4,843,462	\$ 4,162,173	\$ 6,868,000	\$ 5,973,000	\$ 6,953,000	\$ 7,654,000	\$ 8,439,000	\$ 9,303,000	\$ 10,199,000
Required metered sales of water (FMWD Costs)	\$ 2,619,953	\$ 2,432,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income - Water Reserves	\$ 125,914	\$ 91,782	\$ 100,000	\$ 140,000	\$ 163,000	\$ 150,000	\$ 137,000	\$ 134,000	\$ 140,000
Interest Income - MTBE Reserves	\$ 46,780	\$ 103,000	\$ 125,000	\$ 110,000	\$ 77,000	\$ 79,000	\$ 81,000	\$ 83,000	\$ 85,000
Source of Funds - Other Sources	\$ 170,754	\$ 221,080	\$ 126,500	\$ 137,000	\$ 146,000	\$ 152,000	\$ 159,000	\$ 168,000	\$ 175,000
Sources of Funds - CIP Sources	\$ 170,898	\$ 238,461	\$ 1,490,000	\$ 762,225	\$ 1,225,450	\$ 730,475	\$ 410,300	\$ 390,000	\$ 400,000
Transfer from MTBE Fund			\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
TOTAL REVENUE	\$ 9,771,511	\$ 9,077,276	\$ 12,647,500	\$ 11,058,225	\$ 11,811,450	\$ 11,177,475	\$ 11,822,300	\$ 12,873,000	\$ 13,993,000
OPERATIONS & MAINTENANCE (O & M) EXPENSE									
Labor & Benefits	\$ 2,642,288	\$ 2,786,149	\$ 2,964,900	\$ 2,750,500	\$ 2,957,000	\$ 3,006,000	\$ 3,057,000	\$ 3,111,000	\$ 3,187,000
Purchased Water (FMWD)	\$ 3,151,636	\$ 2,741,033	\$ 2,093,000	\$ 2,446,000	\$ 2,099,000	\$ 2,108,000	\$ 2,117,000	\$ 2,098,000	\$ 2,029,000
Purchased Water (GWP)	\$ -	\$ -	\$ 185,000	\$ 81,120	\$ 231,000	\$ 240,000	\$ 265,000	\$ 274,000	\$ 284,000
Power	\$ 672,908	\$ 682,044	\$ 715,000	\$ 640,300	\$ 695,000	\$ 716,000	\$ 737,000	\$ 759,000	\$ 778,000
Operating expenses	\$ 1,999,759	\$ 2,098,151	\$ 2,270,150	\$ 1,911,400	\$ 2,063,100	\$ 2,100,600	\$ 2,105,600	\$ 2,198,100	\$ 2,174,800
Total O & M Expense	\$ 8,466,591	\$ 8,307,377	\$ 8,228,050	\$ 7,829,320	\$ 8,045,100	\$ 8,170,600	\$ 8,281,600	\$ 8,440,100	\$ 8,452,800
Debt Service (principal & interest)	\$ 612,400	\$ 612,454	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 615,000
Total O & M Expense + Debt Service	\$ 9,078,991	\$ 8,919,831	\$ 8,842,050	\$ 8,443,320	\$ 8,659,100	\$ 8,784,600	\$ 8,895,600	\$ 9,054,100	\$ 9,067,800
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	\$ 692,520	\$ 157,445	\$ 3,805,450	\$ 2,614,905	\$ 3,152,350	\$ 2,392,875	\$ 2,926,700	\$ 3,818,900	\$ 4,925,200
CAPITAL OUTLAY, LIABILITIES and CAPITAL PROJECTS									
Capital Outlay & Equipment	\$ 171,671	\$ 140,870	\$ 65,000	\$ 21,000	\$ 110,000	\$ 150,000	\$ 156,000	\$ 140,000	\$ 130,000
Re-Payment to MTBE Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Future Liability (OPEB)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Capital Improvements (pay-as-you-go)	\$ 1,365,786	\$ 1,981,000	\$ 3,215,000	\$ 3,147,606	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000
Total - Capital Outlay, CIP, CIP Fund & Future Liability	\$ 1,637,457	\$ 2,282,237	\$ 3,380,000	\$ 3,268,606	\$ 3,010,000	\$ 3,050,000	\$ 3,056,000	\$ 3,040,000	\$ 3,530,000
INCREASE (DECREASE) TO CASH	\$ (944,937)	\$ (2,124,793)	\$ 425,450	\$ (653,701)	\$ 142,350	\$ (657,125)	\$ (129,300)	\$ 778,900	\$ 1,395,200
FY begin available Water Reserves	\$ 6,457,073	\$ 5,512,136	\$ 4,057,756	\$ 4,057,756	\$ 3,404,056	\$ 3,546,406	\$ 2,889,282	\$ 2,759,982	\$ 3,538,882
FY End Water Reserves	\$ 5,512,136	\$ 3,387,343	\$ 4,483,207	\$ 3,404,056	\$ 3,546,406	\$ -	\$ -	\$ -	\$ 4,934,082
Reconciliation	\$ -	\$ 670,413	\$ -	\$ -	\$ -	\$ 2,889,282	\$ 2,759,982	\$ 3,538,882	\$ 4,934,082
FY End Water Reserves	\$ 5,512,136	\$ 4,057,756	\$ 4,483,207	\$ 3,404,056	\$ 3,546,406	\$ -	\$ -	\$ -	\$ -
TOTAL TARGET WATER CASH RESERVES	\$ 3,524,000	\$ 3,348,000	\$ 3,643,000	\$ 3,127,000	\$ 3,441,000	\$ 3,634,000	\$ 3,843,000	\$ 4,087,000	\$ 4,323,000
Above or (below) Target Reserves	\$ 1,988,136	\$ 709,756	\$ 840,207	\$ 277,056	\$ 105,406	\$ (744,718)	\$ (1,083,018)	\$ (548,118)	\$ 611,082
Effective date of water rates	7/1/13	7/1/14	7/1/15	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20
Projected Rate Increase for Service Charge	5.6%	5.8%	5.7%	5.7%	13.4%	7.2%	7.4%	7.5%	7.0%
Service rates (\$/month for 3/4" meter)	\$ 17.10	\$ 15.30	\$ 18.10	\$ 18.10	\$ 20.53	\$ 22.00	\$ 23.60	\$ 25.40	\$ 27.20
Projected Rate Increase for Quantity Charge	5.6%	5.8%	5.7%	5.7%	5.2%	7.2%	7.4%	7.5%	7.0%
Quantity Charge: (\$/kgal)	\$ 5.33	\$ 5.64	\$ 5.96	\$ 5.96	\$ 6.27	\$ 6.72	\$ 7.22	\$ 7.76	\$ 8.30

Legend

Blue - Recorded Revenues & Expenses

Brown - Previous Year Budget & Projected End of Year

Black - Budget Revenues & Expenses

Green - Forecast Revenues & Expenses

Wastewater Budget Table WWB-1 Projected Wastewater Accounts - FY 16/17 - Draft V8

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

Note:

1. EDU = Equivalent Dwelling Units

Wastewater Budget Table WWB-2 Revenues - FY 16/17 - Draft V8

	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Wastewater User and Standby Charge Revenues									
Single family dwelling unit	\$ 3,241,490	\$ 3,341,597	\$ 2,136,000	\$ 2,126,600	\$ 2,138,000	\$ 2,170,000	\$ 2,203,000	\$ 2,236,000	\$ 2,268,000
Multiple family dwelling			\$ 1,032,000	\$ 987,000	\$ 1,034,000	\$ 1,050,000	\$ 1,066,000	\$ 1,082,000	\$ 1,098,000
Total School charges			\$ 96,000	\$ 91,000	\$ 95,000	\$ 97,000	\$ 100,000	\$ 102,000	\$ 105,000
Total Commercial user charges			\$ 251,000	\$ 240,000	\$ 251,000	\$ 255,000	\$ 259,000	\$ 264,000	\$ 268,000
Sewer Service Discount			\$ (150,000)	\$ (100,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)
Total user charge revenues	\$ 3,241,490	\$ 3,341,597	\$ 3,364,000	\$ 3,344,600	\$ 3,368,000	\$ 3,422,000	\$ 3,478,000	\$ 3,534,000	\$ 3,589,000
Permit/Connection Fees/Misc.									
Sewer Permits	\$ 1,000	\$ 6,000	\$ 1,500	\$ 1,500	\$ 4,000	\$ 4,000	\$ 3,000	\$ 2,000	\$ 1,500
Sewer Connection Fee (CVWD)	\$ 29,815	\$ 31,523	\$ 15,000	\$ 15,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 15,000
Misc. Revenue	\$ -	\$ 27,577	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Rental Properties Income	\$ 7,191	\$ 7,400	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500
Total Permit/Connection Fees/Misc.	\$ 38,006	\$ 72,500	\$ 29,000	\$ 29,000	\$ 36,500	\$ 36,500	\$ 35,500	\$ 29,500	\$ 29,000
Interest Earned	\$ 207	\$ 103	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Total Revenue	\$ 3,279,703	\$ 3,414,200	\$ 3,393,500	\$ 3,374,100	\$ 3,405,000	\$ 3,459,000	\$ 3,514,000	\$ 3,564,000	\$ 3,618,500

Wastewater Budget Table WWB-3 City of Los Angeles O & M and Capital Expense - FY 16/17 - Draft V8											
Description	Recorded	Recorded		Budget	Projected	Budget		Forecast	Forecast	Forecast	Forecast
	FY 2013-14	FY 2014-15		FY 2015-16	FY 2015-16	FY 2016-17		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
City of Los Angeles Projection O & M	\$ 453,778	\$ 346,710		\$ 667,760	\$ 450,888	\$ 696,140		\$ 696,140	\$ 696,140	\$ 696,140	\$ 696,140
City of Los Angeles Projection Capital	\$ 462,534	\$ 328,303		\$ 855,720	\$ 911,307	\$ 547,280		\$ 547,280	\$ 547,280	\$ 547,280	\$ 547,280
City of Los Angeles Projection Total	\$ 916,312	\$ 675,013		\$ 1,523,480	\$ 1,362,195	\$ 1,243,420		\$ 1,243,420	\$ 1,243,420	\$ 1,243,420	\$ 1,243,420
<i>City of Los Angeles Projections - March 2016</i>						<i>FY 2016-17</i>		<i>FY 2017-18</i>	<i>FY 2018-19</i>	<i>FY 2019-20</i>	<i>FY 2020-21</i>
<i>City of Los Angeles Projection O & M</i>						\$ 671,100		\$ 683,800	\$ 695,900	\$ 708,500	\$ 721,400
<i>City of Los Angeles Projection Capital</i>						\$ 579,000		\$ 702,800	\$ 522,100	\$ 836,600	\$ 95,900
<i>City of Los Angeles Projection Total</i>						\$ 1,250,100		\$ 1,386,600	\$ 1,218,000	\$ 1,545,100	\$ 817,300
Notes:											
1. Source for FY 2016-17 City of Los Angeles - Amalgamated System Sewer Service Charges (ASSSC) include both capital and O&M charges dated 3/9/16											
2. Projected FY 2015/16 does includes City of LA Reconciliation Charge for FY 2014/15 of \$166,323											
3. Budget 16/17 - 20/21 - Based on Average Cost from City of LA from 2016-2021											

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 16/17 - Draft V8

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
TREATMENT AND DISPOSAL CHARGES									
Los Angeles ASSSC	\$ 916,312	\$ 675,013	\$ 1,523,480	\$ 1,362,195	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000
TOTAL TREATMENT AND DISPOSAL CHARGES	\$ 951,312	\$ 675,013	\$ 1,523,480	\$ 1,362,195	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000
COMPENSATION AND BENEFITS									
Director Fees	\$ 8,370	\$ 9,225	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
Compensation									
Officer Salaries	\$ 144,628	\$ 150,010	\$ 164,500	\$ 164,500	\$ 170,000	\$ 171,000	\$ 172,000	\$ 174,000	\$ 176,000
Administrative Services Labor	\$ 239,655	\$ 261,192	\$ 285,000	\$ 283,800	\$ 283,000	\$ 247,000	\$ 251,000	\$ 255,000	\$ 256,600
Administrative Services Labor - OT	\$ 6,127	\$ 3,923	\$ 3,000	\$ 3,700	\$ 3,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Engineering Department Labor	\$ 100,029	\$ 91,208	\$ 145,000	\$ 90,000	\$ 111,000	\$ 100,300	\$ 102,600	\$ 104,300	\$ 105,700
Engineering Department Labor-OT	\$ 721	\$ 876	\$ 660	\$ 2,000	\$ 1,000	\$ 1,325	\$ 1,350	\$ 1,700	\$ 1,700
Auto Allowance	\$ 8,700	\$ 9,075	\$ 10,000	\$ 10,200	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Plant - Office Labor	\$ 61,776	\$ 56,639	\$ 79,000	\$ 60,000	\$ 74,000	\$ 74,300	\$ 75,000	\$ 76,000	\$ 81,000
Plant - Office Labor-OT	\$ 155	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance Workers Labor	\$ 153,163	\$ 174,267	\$ 199,000	\$ 185,000	\$ 201,000	\$ 213,000	\$ 218,000	\$ 220,000	\$ 226,000
Maintenance Workers Labor-OT	\$ 27,434	\$ 18,157	\$ 22,000	\$ 20,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 23,000
Standby Pay	\$ 14,000	\$ 13,679	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,600	\$ 14,600	\$ 15,000	\$ 15,300
Labor Transfer to Capital	\$ (2,909)	\$ -	\$ (5,000)	\$ -	\$ -	combined with Engineering Dept. Labor			
Compensation Total	\$ 764,758	\$ 788,369	\$ 925,160	\$ 841,200	\$ 898,000	\$ 864,525	\$ 877,550	\$ 889,000	\$ 906,300
PERS Retirement (Total Employees)	\$ 176,593	\$ 185,480	\$ 194,000	\$ 170,000	\$ 210,000	\$ 228,000	\$ 245,000	\$ 262,000	\$ 269,300
Taxes - Payroll (Total Employees)	\$ 84,603	\$ 87,244	\$ 90,000	\$ 89,000	\$ 93,000	\$ 94,000	\$ 95,300	\$ 96,600	\$ 98,000
Sick and Vacation - Office	\$ 22,662	\$ 44,454	\$ 36,000	\$ 33,500	\$ 37,000	\$ 37,300	\$ 37,600	\$ 38,300	\$ 38,600
Health and Dental and Vision - Office	\$ 83,046	\$ 91,056	\$ 91,000	\$ 87,500	\$ 86,000	\$ 87,300	\$ 88,600	\$ 90,600	\$ 92,000
Retiree - Health Care Expense	\$ 57,564	\$ 49,757	\$ 52,000	\$ 48,000	\$ 49,000	\$ 50,000	\$ 51,300	\$ 52,000	\$ 53,000
Life & Disability Insurance - Office and Plant	\$ 5,583	\$ 6,331	\$ 6,600	\$ 6,700	\$ 7,000	\$ 6,750	\$ 6,750	\$ 7,300	\$ 8,000
Self Insurance	\$ 6,894	\$ 6,201	\$ 8,800	\$ 4,500	\$ 8,000	\$ 8,600	\$ 8,600	\$ 8,600	\$ 8,600
Workers' Compensation - Office	\$ 9,420	\$ 8,815	\$ 10,500	\$ 11,500	\$ 14,000	\$ 12,000	\$ 10,600	\$ 8,600	\$ 8,600
Sick and Vacation - Plant	\$ 15,108	\$ 29,636	\$ 24,000	\$ 24,000	\$ 25,000	\$ 24,600	\$ 25,300	\$ 25,600	\$ 25,600
Health and Dental and Vision - Plant	\$ 88,014	\$ 93,666	\$ 101,000	\$ 95,000	\$ 93,000	\$ 94,700	\$ 96,600	\$ 98,600	\$ 100,000
Workers' Compensation - Plant	\$ 38,959	\$ 37,640	\$ 50,000	\$ 55,000	\$ 60,000	\$ 54,675	\$ 47,300	\$ 38,000	\$ 38,600
Benefits Total	\$ 588,446	\$ 640,280	\$ 663,900	\$ 624,700	\$ 682,000	\$ 697,925	\$ 712,950	\$ 726,200	\$ 740,300
TOTAL COMPENSATION AND BENEFITS	\$ 1,353,204	\$ 1,428,649	\$ 1,589,060	\$ 1,465,900	\$ 1,580,000	\$ 1,562,450	\$ 1,590,500	\$ 1,615,200	\$ 1,646,600
PLANT OPERATING EXPENSES									
Taxes - Property	\$ 4,010	\$ 4,101	\$ 4,200	\$ 4,200	\$ 4,500	\$ 4,600	\$ 4,800	\$ 4,900	\$ 5,100
Glenwood - Plant Maintenance	\$ 3,445	\$ 3,174	\$ 8,500	\$ 8,000	\$ 7,500	\$ 8,000	\$ 8,500	\$ 8,600	\$ 9,000
Landscaping Expense	\$ 1,572	\$ 1,820	\$ 2,500	\$ 2,000	\$ 1,800	\$ 2,000	\$ 2,150	\$ 2,300	\$ 2,500
Office Supplies & Misc Expenses - Plant	\$ 9,044	\$ 9,353	\$ 6,000	\$ 7,000	\$ 7,000	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000
Glenwood - Utilities	\$ 3,558	\$ 3,575	\$ 4,660	\$ 4,600	\$ 5,300	\$ 5,700	\$ 6,000	\$ 6,300	\$ 6,600
Glenwood - Voice Communications	\$ 12,641	\$ 14,117	\$ -	\$ -	\$ -	combined 01-01-5225			

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 16/17 - Draft V8

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	
Glenwood - Wireless Voice & Data Communications	\$ 2,720	\$ 3,378	\$ -	\$ -	\$ -	\$ 2,500	\$ 2,650	\$ 2,800	\$ 2,900	
Training - Plant	\$ 1,987	\$ 3,222	\$ 2,300	\$ 2,100	\$ 2,375	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
Education Reimbursement/Cert. - WW	\$ 622	\$ 252	\$ 1,000	\$ 750	\$ 1,000	\$ 5,800	\$ 6,000	\$ 6,200	\$ 6,300	
Glenwood - Safety and Security System	\$ 8,020	\$ 5,820	\$ 5,800	\$ 8,400	\$ 5,750	\$ 2,830	\$ 4,000	\$ 3,000	\$ 3,250	
Glenwood - Uniforms	\$ 3,233	\$ 3,288	\$ 20,000	\$ 15,000	\$ 16,000	\$ 750	\$ 750	\$ 750	\$ 750	
Tools and Equipment Maintenance	\$ 18,098	\$ 17,375	\$ 4,500	\$ 2,000	\$ 3,300	\$ 4,000	\$ 4,300	\$ 4,700	\$ 5,000	
Power - Lift Station	\$ 691	\$ 723	\$ 2,000	\$ 1,500	\$ 2,000	\$ 800	\$ 800	\$ 800	\$ 800	
Telemetering & Signal System	\$ 2,641	\$ 2,680	\$ 4,000	\$ 2,000	\$ 4,400	\$ 4,000	\$ 5,000	\$ 5,300	\$ 5,600	
SCADA Hardware	\$ -	\$ -	\$ 1,160	\$ 900	\$ 850	\$ 1,000	\$ 1,150	\$ 1,300	\$ 1,500	
SCADA Software	\$ -	\$ -	\$ 70,200	\$ 63,200	\$ 65,525	\$ 70,550	\$ 74,700	\$ 78,000	\$ 81,700	
TOTAL PLANT OPERATING EXPENSES	\$ 72,282	\$ 72,878								
COLLECTION SYSTEM EXPENSE										
Pipelines - Maintenance	\$ 22,552	\$ 4,746	\$ 5,000	\$ 2,000	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000	\$ 8,000	
Auto/Truck - Maintenance	\$ 46,232	\$ 34,676	\$ 16,600	\$ 36,000	\$ 18,300	\$ 19,000	\$ 19,700	\$ 20,300	\$ 21,000	
Auto/Truck - Gas	\$ 8,026	\$ 7,003	\$ 5,800	\$ 5,000	\$ 6,600	\$ 6,800	\$ 7,000	\$ 7,200	\$ 7,300	
Auto/Truck - Diesel	\$ 5,681	\$ 6,189	\$ 5,800	\$ 4,500	\$ 6,000	\$ 6,200	\$ 6,300	\$ 6,500	\$ 6,600	
Sewer Flow Monitoring Expense	\$ 14,555	\$ 12,860	\$ 25,000	\$ 12,500	\$ 12,500	\$ 13,000	\$ 13,500	\$ 26,500	\$ 26,500	
Sewer Camera Van Inspection	\$ 3,248	\$ 3,091	\$ 3,500	\$ 2,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
Sewer Interceptor - Maintenance	\$ 1,243	\$ 1,360	\$ 4,000	\$ 2,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	
Sewer Lift Station - Maintenance	\$ 4,338	\$ 4,275	\$ 6,000	\$ 3,500	\$ 3,500	\$ 4,000	\$ 4,500	\$ 5,000	\$ 5,500	
TOTAL COLLECTION SYSTEM EXPENSE	\$ 105,875	\$ 74,200	\$ 71,700	\$ 67,500	\$ 58,900	\$ 62,000	\$ 65,000	\$ 80,500	\$ 81,900	
GENERAL AND ADMINISTRATIVE EXPENSES										
General Insurance (General Liability, Property, Fidelity)	\$ 46,256	\$ 44,131	\$ 53,000	\$ 50,000	\$ 56,000	\$ 59,000	\$ 62,000	\$ 65,000	\$ 68,000	
Accounting - Audit	\$ 15,079	\$ 11,515	\$ 13,000	\$ 13,000	\$ 13,000	\$ 14,500	\$ 15,000	\$ 15,500	\$ 16,000	
Legal Consulting Fees	\$ 15,546	\$ 16,163	\$ 15,000	\$ 15,500	\$ 15,600	\$ 16,600	\$ 17,000	\$ 17,600	\$ 18,300	
Administrative Consultants	\$ 9,519	\$ 27,706	\$ 120,000	\$ 85,000	\$ 44,000	\$ 42,500	\$ 42,500	\$ 43,300	\$ 33,000	
Election Expense	\$ 36,751	\$ -	\$ 40,000	\$ -	\$ -	\$ 45,000	\$ -	\$ 50,000	\$ -	
Office Maintenance	\$ 3,378	\$ 3,217	\$ 4,000	\$ 3,750	\$ 4,000	\$ 4,000	\$ 4,300	\$ 4,700	\$ 5,000	
Landscape Maintenance - Office	\$ 1,710	\$ 2,210	\$ 2,500	\$ 2,250	\$ 2,500	\$ 2,650	\$ 2,800	\$ 3,000	\$ 3,100	
Office Supplies & Misc Expenses	\$ 5,442	\$ 5,008	\$ 1,800	\$ 2,200	\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500	
Computers Hardware	\$ 7,312	\$ 6,837	\$ 9,000	\$ 6,500	\$ 8,500	\$ 8,600	\$ 9,000	\$ 9,300	\$ 9,700	
Computer Software	\$ 6,022	\$ 9,322	\$ -	\$ -	\$ -	Combined with computer software, maint, licnc.				
Computer Software, Maintenance, License	\$ 5,850	\$ 6,241	\$ 19,600	\$ 15,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,300	\$ 17,600	
Utilities - Office	\$ 5,522	\$ 6,294	\$ 6,500	\$ 6,500	\$ 7,200	\$ 7,200	\$ 7,300	\$ 7,500	\$ 7,700	
Enterprise Voice Communications - land line phones	\$ 8,158	\$ 8,488	\$ 4,200	\$ 12,700	\$ 13,600	\$ 13,600	\$ 14,000	\$ 14,300	\$ 14,700	
Data Communications: Fiber Lines/Internet	\$ -	\$ -	\$ 16,300	\$ 15,600	\$ 16,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,700	
Wireless Voice & Data Communications - cell	\$ 5,019	\$ 1,890	\$ 9,860	\$ 5,000	\$ 4,750	\$ 5,000	\$ 5,200	\$ 5,300	\$ 5,500	
Printing, Postage, Stationery, Copier Maintenance	\$ 41,406	\$ 43,425	\$ 36,000	\$ 32,000	\$ 37,500	\$ 38,000	\$ 38,500	\$ 39,500	\$ 40,500	
Uncollectible Accounts	\$ 3,327	\$ 1,975	\$ 1,000	\$ 1,000	\$ 1,150	\$ 1,150	\$ 1,300	\$ 1,300	\$ 1,500	
Engineering Department	\$ 3,504	\$ 3,500	\$ 3,300	\$ 3,300	\$ 3,600	\$ 4,000	\$ 4,300	\$ 4,700	\$ 5,000	

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 16/17 - Draft V8

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Training - Office	\$ 1,172	\$ 938	\$ 3,000	\$ 1,500	\$ 1,150	\$ 1,350	\$ 1,500	\$ 1,700	\$ 1,800
Conferences and Seminars - Office	\$ 3,166	\$ 2,298	\$ 3,400	\$ 2,500	\$ 3,000	\$ 3,300	\$ 3,600	\$ 4,000	\$ 4,300
Board of Directors - Conferences and Seminars	\$ 1,072	\$ 755	\$ 500	\$ 1,000	\$ 1,675	\$ 1,675	\$ 1,800	\$ 2,000	\$ 2,150
Misc Administration - Office	\$ 1,085	\$ 1,758	\$ 5,000	\$ 1,500	\$ 1,675	\$ 1,675	\$ 1,700	\$ 1,700	\$ 1,700
Board of Directors - Misc Administration	\$ 444	\$ 590	\$ 650	\$ 300	\$ 650	\$ 650	\$ 650	\$ 650	\$ 650
Membership Renewals/Subscriptions	\$ 7,591	\$ 7,376	\$ 8,800	\$ 8,000	\$ 7,500	\$ 7,600	\$ 8,000	\$ 8,300	\$ 8,600
Bank Charges	\$ 11,092	\$ 13,347	\$ 15,500	\$ 18,000	\$ 18,000	\$ 19,000	\$ 20,000	\$ 21,000	\$ 22,000
Rental Properties Expense	\$ 1,612	\$ 580	\$ 1,050	\$ 1,050	\$ 850	\$ 850	\$ 850	\$ 850	\$ 850
GENERAL AND ADMINISTRATIVE EXPENSES	\$ 247,035	\$ 225,562	\$ 392,960	\$ 303,150	\$ 284,400	\$ 337,900	\$ 301,300	\$ 361,500	\$ 311,850
TOTAL WASTEWATER SYSTEM EXPENSE (w/o LA Treatment Costs)	\$ 1,778,396	\$ 1,801,288	\$ 2,123,920	\$ 1,899,750	\$ 1,988,825	\$ 2,032,900	\$ 2,031,500	\$ 2,135,200	\$ 2,122,050
TOTAL WASTEWATER SYSTEM EXPENSE (w/o LA Treatment & Labor Costs)	\$ 425,192	\$ 372,639	\$ 534,860	\$ 433,850	\$ 408,825	\$ 470,450	\$ 441,000	\$ 520,000	\$ 475,450

Wastewater Budget Table WWB - 5 Reserve Targets - FY 16/17 - Draft V8

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
Rate stabilization (a)	\$ 492,000	\$ 506,100	\$ 509,100	\$ 506,100	\$ 510,750	\$ 518,850	\$ 527,100	\$ 534,600	\$ 542,850
Emergency reserves (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
Depreciation (reserves for replacements)	\$ 800,000	\$ 850,000	\$ 750,000	\$ 800,000	\$ 850,000	\$ 900,000	\$ 950,000	\$ 1,000,000	\$ 1,050,000
Working cash (c)	\$ 300,000	\$ 300,000	\$ 350,000	\$ 320,000	\$ 330,000	\$ 340,000	\$ 340,000	\$ 360,000	\$ 350,000
Total Target WW Reserves	\$ 2,342,000	\$ 2,406,100	\$ 2,359,100	\$ 2,376,100	\$ 2,440,750	\$ 2,508,850	\$ 2,567,100	\$ 2,644,600	\$ 2,692,850

Note:

Cash reserves target is per 6/30/03 policy in Annual Financial Statement

- a. Rate stabilization reserve target equals 15 percent of sewer sales
- b. The emergency reserve is set at \$750,000.
- c. The working cash level is set at two months of O&M expenses.

Wastewater Budget Table WWB-6 CIP & Capital Outlay - FY 16/17 - Draft V8

Description	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
1. Collections Systems	\$ 13,011	\$ 8,112	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
2. Interceptor System	\$ -	\$ 1,109	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
3. Lift Station	\$ 6,071		\$ 75,000	\$ 35,000	\$ 40,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
4. Technology (Sewer Projects Only)	\$ -		\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
5. Public Safety/Emergency Response	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6. Facilities & Planning	\$ -		\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
7. Misc. Sewer Projects	\$ -		\$ 8,000	\$ 8,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Total CIP Projects	\$ 19,082	\$ 9,221	\$ 185,000	\$ 145,000	\$ 147,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000
Capital Outlay									
Software (Spring Brook) - Fixed Assets	\$ -				\$ 3,750				
Spring Brook Software - Payroll Module						\$ 6,250			
Spring Brook Software - Work Order Module							\$ 8,750		
Spring Brook Software - Project Management Module								\$ 5,000	
Spring Brook Software - Extend Budget Module									\$ 5,000
Upgrade Computer Hardware & Security	\$ -		\$ 8,000	\$ 8,000	\$ 10,000	\$ 10,000	\$ 6,600	\$ 6,600	
Main Office - Upgrades	\$ -		\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
Misc	\$ -	\$ 8,593	\$ 1,000	\$ 1,000	\$ 3,250	\$ 2,750	\$ 2,250	\$ 2,400	\$ 2,400
Equipment Outlay									
Sewer Cover Transmitter	\$ -		\$ 5,000	\$ -					
Sewer Vactor Truck					\$ 300,000				
Annual Vehicle Replacement (1 vehicle)			\$ 75,000	\$ 50,388	\$ 55,000	\$ 40,000	\$ 40,000	\$ 40,000	
Total CO Projects	\$ -	\$ 32,801	\$ 92,000	\$ 62,388	\$ 375,000	\$ 62,000	\$ 64,000	\$ 57,000	\$ 57,000
Total CIP & CO Projects	\$ 19,082	\$ 42,022	\$ 277,000	\$ 207,388	\$ 522,000	\$ 172,000	\$ 174,000	\$ 167,000	\$ 167,000

Wastewater Budget Table WWB - 7 Sources and Applications of Funds - FY 16/17 - Draft V8

Budget	Recorded FY 2013-14	Recorded FY 2014-15	Budget FY 2015-16	Projected FY 2015-16	Budget FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
REVENUE									
Projected user charges	\$ 3,241,490	\$ 3,341,597	\$ 3,364,000	\$ 3,344,600	\$ 3,368,000	\$ 3,422,000	\$ 3,478,000	\$ 3,534,000	\$ 3,589,000
Total permit/connection fee	\$ 38,006	\$ 72,500	\$ 29,000	\$ 29,000	\$ 36,500	\$ 36,500	\$ 35,500	\$ 29,500	\$ 29,000
Interest earnings	\$ 207	\$ 103	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
TOTAL REVENUE	\$ 3,280,000	\$ 3,414,000	\$ 3,394,000	\$ 3,374,000	\$ 3,405,000	\$ 3,459,000	\$ 3,514,000	\$ 3,564,000	\$ 3,619,000
EXPENSE									
City of LA Sewer Service Charges	\$ 951,312	\$ 675,013	\$ 1,523,480	\$ 1,362,195	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000	\$ 1,243,000
Sewer Labor & Benefits	\$ 1,353,204	\$ 1,428,649	\$ 1,589,060	\$ 1,465,900	\$ 1,580,000	\$ 1,562,450	\$ 1,590,500	\$ 1,615,200	\$ 1,646,600
Sewer O & M Expense	\$ 425,192	\$ 372,639	\$ 534,860	\$ 433,850	\$ 409,000	\$ 470,000	\$ 441,000	\$ 520,000	\$ 475,000
Sewer CIP & CO Expense	\$ 19,082	\$ 42,022	\$ 277,000	\$ 207,388	\$ 522,000	\$ 172,000	\$ 174,000	\$ 167,000	\$ 167,000
Transfer to Water Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL EXPENSE	\$ 2,748,790	\$ 2,518,323	\$ 3,924,400	\$ 3,469,333	\$ 3,754,000	\$ 3,447,450	\$ 3,448,500	\$ 3,545,200	\$ 3,531,600
Additions (reductions) to cash	\$ 531,210	\$ 895,677	\$ (530,400)	\$ (95,333)	\$ (349,000)	\$ 11,550	\$ 65,500	\$ 18,800	\$ 87,400
Effective date of Wastewater rates	7/1/13	7/1/14	7/1/15	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20
Rate increase	8.4%	4.7%	0.0%	0.0%	0.0%	1.5%	1.5%	1.4%	1.4%
User Charge (monthly EDUs)	\$ 32.25	\$ 33.75	\$ 33.75	\$ 33.75	\$ 33.75	\$ 34.25	\$ 34.75	\$ 35.25	\$ 35.75
Commercial - Monthly Cost	\$ 2.00	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10	\$ 2.10
Commercial - \$/Unit	\$ 5.30	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.60	\$ 5.70	\$ 5.80	\$ 5.90	\$ 6.00
Secondary School - Quantity Charge per 100 ADA	\$ 154.90	\$ 162.10	\$ 162.10	\$ 162.10	\$ 162.10	\$ 164.50	\$ 166.90	\$ 169.30	\$ 171.70
Primary School - Quantity Charge per 100 ADA	\$ 77.40	\$ 81.00	\$ 81.00	\$ 81.00	\$ 81.00	\$ 82.20	\$ 83.40	\$ 84.60	\$ 85.80
Customer Revenue EDUs									
FY beginning Wastewater Reserves	\$ 3,973,320	\$ 4,504,530	\$ 4,823,229	\$ 4,823,229	\$ 4,727,896	\$ 4,378,896	\$ 4,390,446	\$ 4,455,946	\$ 4,474,746
Additions (reductions)	\$ 531,210	\$ 895,677	\$ (530,400)	\$ (95,333)	\$ (349,000)	\$ 11,550	\$ 65,500	\$ 18,800	\$ 87,400
FY ending Wastewater Reserves	\$ 4,504,530	\$ 5,400,207	\$ 4,292,829	\$ 4,727,896	\$ 4,378,896	\$ 4,390,446	\$ 4,455,946	\$ 4,474,746	\$ 4,562,146
Reconciliation	\$ -	\$ (576,978)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY ending Wastewater Reserves	\$ 4,504,530	\$ 4,823,229	\$ 4,292,829	\$ 4,727,896	\$ 4,378,896	\$ 4,390,446	\$ 4,455,946	\$ 4,474,746	\$ 4,562,146
TOTAL TARGET WASTERWATER CASH RESERVES	\$ 2,342,000	\$ 2,152,251	\$ 2,359,100	\$ 2,376,100	\$ 2,440,750	\$ 2,508,850	\$ 2,567,100	\$ 2,644,600	\$ 2,692,850
Above (below) target	\$ 2,162,530	\$ 3,247,956	\$ 1,933,729	\$ 2,351,796	\$ 1,938,146	\$ 1,881,596	\$ 1,888,846	\$ 1,830,146	\$ 1,869,296

Legend

Blue - Recorded Revenues & Expenses

Brown - Previous Year Budget & Projected Revenues & Expenses

Black - Budget Revenues & Expenses

Green - Forcast Revenues & Expenses