CRESCENTA VALLEY WATER DISTRICT

FY 2017 – 2018

BUDGET

1 Executive Summary
FY 2017-18 Water Budget

2 Summary & Supporting Graphs
FY 2017-18 Water Revenue & Expenses

3 Executive Summary
FY 2017-18 Wastewater Budget

4 Summary & Supporting Graphs
FY 2017-18 Wastewater Revenue &Expenses

5 Appendix A
FMWD Cost Analysis

6 Appendix B
Capital Improvement Projects

7 Appendix C
Organizational Chart

8 Appendix D
5 Year Water Cash Flow Model

9 Appendix E
5 Year Wastewater Cash Flow Model

10

CRESCENTA VALLEY WATER DISTRICT

Fiscal Year 2017-2018 Water Budget
Executive Summary

Presented herein is the Crescenta Valley Water District's (CVWD) Fiscal Year 2017-18 Water Budget adopted by the Board of Directors (Board) on June 20, 2017. 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 2017-18 is guided by the discussion and direction set by the Board in the spring of 2017 with review by 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, funds to 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. New treatment facilities for Well No. 2 have been designed and are scheduled for construction in FY 2017-18.

The recent drought, the driest five years on record, the state mandated water conservation, and the resulting reduction in water sales revenue has necessitated the deferral of maintenance and infrastructure improvements. In addition, CVWD has used its rate stabilization reserve funds to mitigate rate increases in past years. The statewide water supply has improved dramatically with the winter storms that happen mostly in Northern California. However, the local precipitation in the Crescenta Valley was slightly more than average rainfall. The State has ended the drought emergency and mandatory water conservation targets, and CVWD has also reduced the water conservation alert level.

Some portions of CVWD's water distribution system are over 70 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 failure could amount to millions of dollars.

CVWD has evaluated and identified certain facilities requiring rehabilitation or replacement and has 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 $3.2 million per year.

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

- Fiscal Year 2017-18 Strategic Plan goals:
    - Maintain a proactive infrastructure management program;
    - Maintain organizational effectiveness;
    - Update and implement emergency response plan;
    - Ensure continued financial stability;
    - Improve effective public outreach and customer service; and
    - Enhance effective governance.

- Fiscal Year 2017-18 Budget and Management Goals:

- Monitor water sales revenue and adjust budgeted expenditures accordingly to maintain water fund reserves within budgeted amounts;
- Continue prudent practice of 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 install new meters that can record low levels of consumption (low flows), to reduce the revenue lost to meters that do not accurately record usage;
- Maintain appropriate staffing levels. Evaluate vacant staff positions 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; and
- Continue cost containment and improvement of financial reporting.

Revenue Projections:

- Projected water sales for FY 2017-18 are estimated to be 4,050 acre feet (AF). Actual water sales in FY 2016-17 are projected to be 3,850 AF. FY 2017-18 revenue is projected at $12,000,000 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 2017-18 due to low groundwater levels in the Verdugo Basin. The newly constructed well at the Rockhaven site, completed in 2016, is projected to increase total groundwater production by about 18%. Also, a new treatment system for Well No. 2 is being development to re-activate this well within the next 12 months. These projects will help CVWD to increase groundwater production. However, since long term local precipitation remains below normal, groundwater production will be adversely impacted.
- Projected interest income is budgeted at $180,000 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 $224,000.
- Grant revenue, which is used to fund capital improvement projects, is anticipated at $1,000,000.

Expense Projections:

Water operational expense projection for FY 2017-18 is $9,210,000 which is $580,000 higher than the prior year due to an increase in purchased imported water expense while groundwater sources continue to recharge from the recent rains. This number does not include $3,275,000 for Capital Improvement Projects (CIP).

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 2017-18.
- For FY 2017-18, FMWD's operations costs are increasing by 8.6% and FMWD's CIP cost are remaining the same. In January 2018, MWD will increase the cost for treated water by 4% to $1,015 per AF.
- CVWD purchased 55% of its overall water supply from FMWD in FY 2016-17 and is projecting to purchase 50% of its overall water supply from FMWD in FY 2017-18.
- A detailed breakdown of FWMD costs are shown in Appendix A - FMWD Cost Analysis.

Compensation and Benefits:

The total cost for compensation and benefits is projected to be $3,048,000. To prepare the compensation and benefits portion of the FY 2017-18 Budget, staff made the following assumptions:

- Labor:
  - A cost of living adjustment (COLA) of 2.25% per Memorandum of Understanding with Local 1902, AFSCME
  - Step increases for eligible employees only
  - Superintendent position filled
  - Five vacant staff positions remain unfilled
- 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 of 2.43 will be decreased to a to-be-determined amount by ACWA/JPIA's calculations based on three consecutive years of zero lost work-time events; this will decrease the cost of the District's workers' compensation insurance premium
- Group Insurance:
  - Health/Dental 10.0% increase 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 11 staff members work in direct support of this mission.
- In FY 2016-17, CVWD water distribution maintenance crews performed the following repairs, replacements, installation, and maintenance:
  - Repaired 4 water main leaks, which was less than the 15 leaks in FY 2015-16
  - Water service laterals – Replacement
    - 91 water service laterals due to leaks from failure of old pipe or improper backfill
    - 10 water service laterals as part of the water meter replacement program
    - 9 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 8 new meter services (D-jobs)
  - Installed or upgraded 6 fire hydrants
  - Exercised 998 or 47% of the system valves in FY 2016-17
  - Clean 850 +/- meter boxes
  - Replaced 850 +/- water meters with new IPerl meters
- The Water Operation and Distribution System budget for FY 2017-18 is $2,174,000. 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 2017-18 will be the 6th year of the program and about 1,000 meters are planned to be replaced within Pressure Zones 3, 4 & 5.
- The cost of electrical power needed to operate the wells and booster pump systems increased in FY 2016-17 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 2017-18 primarily due to anticipated electrical rate increases and increased groundwater pumping from Well 16.
- Staff will be making a concerted effort in FY 2017-18 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 2017-18 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 been, and will continue to be, an element of CVWD's budget. Staff efforts will continue in conjunction with Metropolitan Water District of Southern California (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 as set forth by state law for 2020. The District and customers' conservation efforts also exceeded the water conservation objective mandated by the State in 2015 and 2016.

- CVWD's goal is to continue with educating the public and promoting water use efficiency.
- 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 2017-18 is $49,500 or 50% less than two years ago.

Engineering and Capital Improvements:

The Engineering Department leads in planning and implementing the District's Capital Improvement Program, which is based on a priority of projects needed to maintain CVWD's water infrastructure. The budget for CIP for FY 2017-18 is $3,275,000.

- Major projects completed in FY 2016-17:
  - Pipeline replacement on the 4400 & 4500 Blocks of Pennsylvania
  - Replacement of the pipeline at the Lower Pickens Canyon Crossing & Slope Restoration
  - 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
  - Replacement of Booster 12 at Markridge Booster Station
  - Rehabilitation of Well No. 8
  - Recycled Water System Feasibility Study
  - SCADA Information and Control Systems Replacement, Project
  - Design of nitrate treatment removal system and re-activating Well 2 at Ordunio Reservoir site
- Major projects planned for FY 2017-18:
  - Rehabilitation of Well No. 5 & 10
  - Installation of nitrate treatment removal system and re-activating Well 2 at Ordunio Reservoir site

  - Rehabilitation of roof and vents at Oak Creek #1 & #2 Reservoirs
  - Replacement of 2,000 LF of pipeline on 2700, 3000 & 3100 Blocks of Brookhill Avenue
  - Replacement of Booster Pump 32 at Glenwood Plant and Booster C at Encinal Reservoir
- Additional tasks to be performed by the Engineering Department include: submittal of grant application for stormwater recharge project at Crescenta Valley County Park, perform a drinking water source assessment study, a chlorination study and a cathodic protection study, 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 2016-17 important projects accomplished included:
  - Platform upgrades for the billing and connected systems ensuring enhanced disaster recovery and general performance
  - Deployed security and surveillance equipment to protect District employees and assets
  - Upgrades to internal and external security for information systems safeguarding against destructive and intrusive cyber threats and targeted attacks
  - 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
  - Engineered and upgraded new communication fabric and routes ensuring redundancy and lowest expense
  - Enhanced security protocols and policies reviewed and are in implementation
  - Designed phase one and began implementation of SCADA modernization and replacement
  - AMI system and analysis for permanent AMI system was completed
- Projects supported by capital outlay expense for FY 2017-18:
  - 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; concentration on modernization of personnel policies and procedures
  - Completion of Phase one SCADA modernization
  - Enhancing current public facing offerings including account management and water conservation tools
  - Begin phase two of SCADA modernization to replace "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. Engineering analytics to assist in predictive planning and expense control
  - 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
  - Implementation of new policies and management software to monitor security and add additional user based safeguards from intrusion and data loss

General Administrative Services:

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

- In FY 2017-18, CVWD is planning to expend $726,000 for general administration.
- 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 Crescenta Valley Water District. The impact of the drought and mandated water conservation has resulted in significantly reduced water sales revenue over the past four years. In addition, the reduced availability of local groundwater will result in increased costs for imported water. 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 2017-18 Budget.

I also want to express my gratitude to the management staff for their diligent efforts spent preparing this FY 2017-18 Budget.

Submitted by:

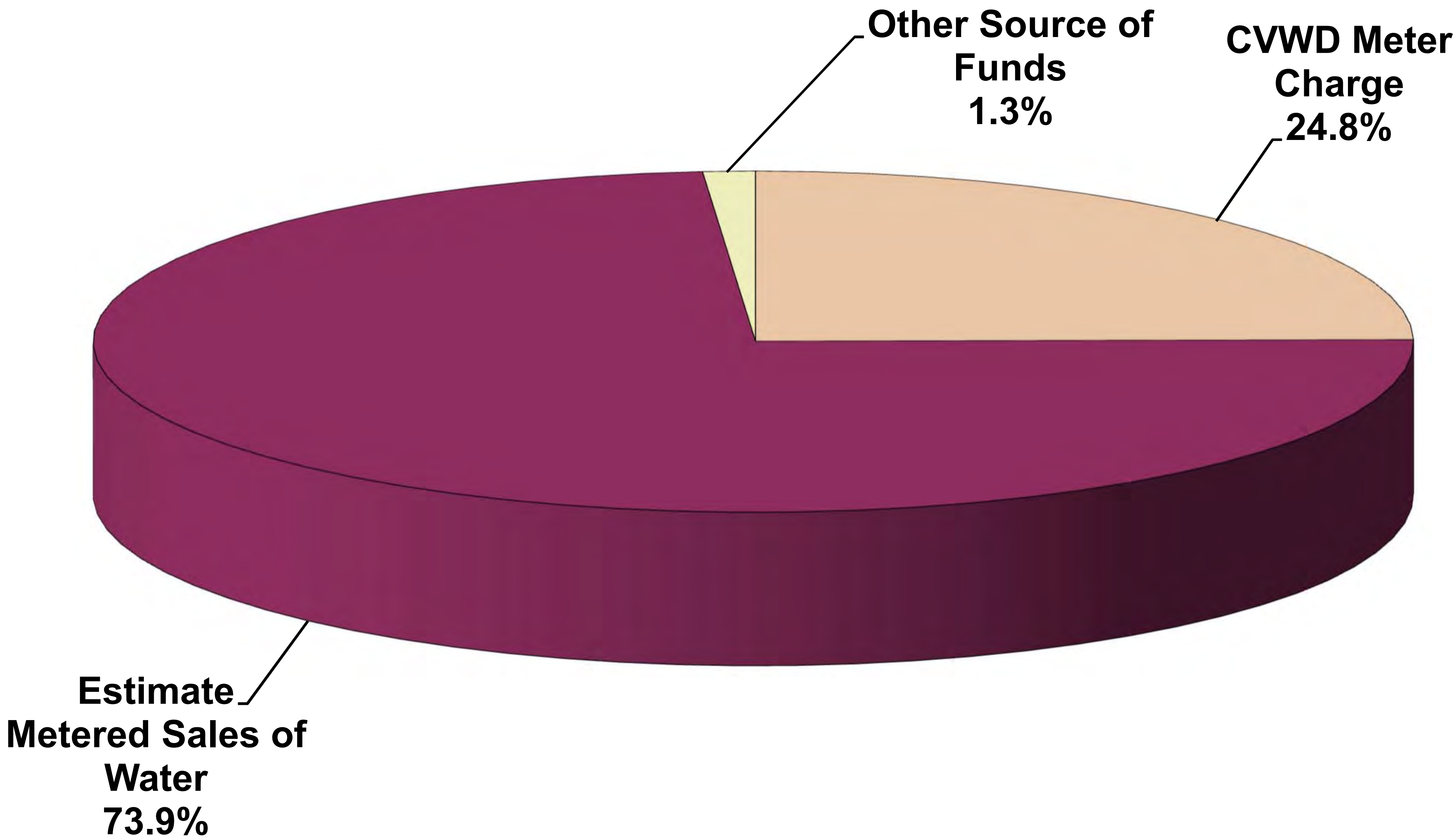
Thomas A. Love, P.E.
General Manager

CRESCENTA VALLEY WATER DISTRICT
FISCAL YEAR BUDGET 2017-2018
WATER OPERATIONS

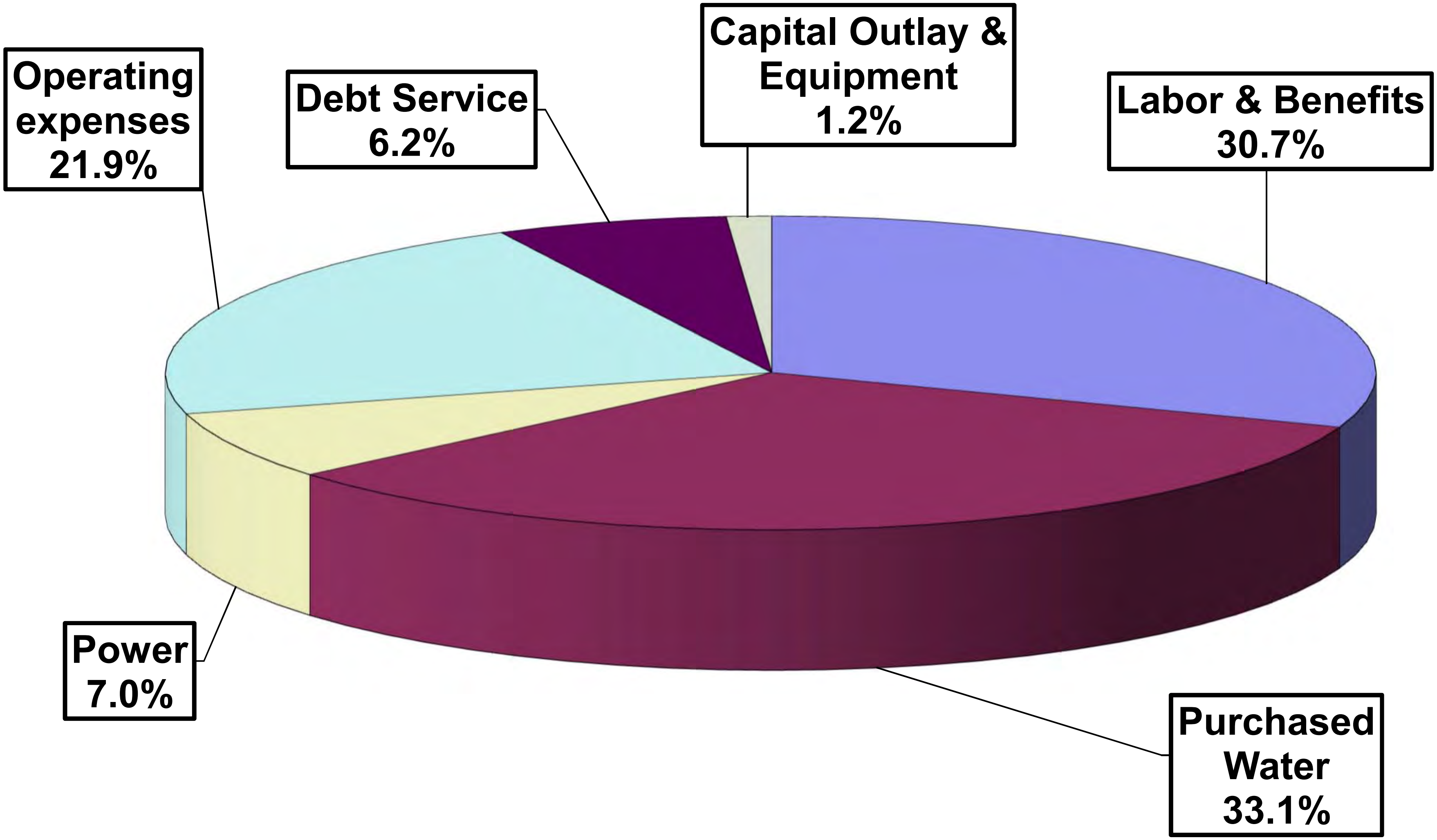
Estimated Cash Reserves at June 30, 2017		**$ 3,215,820**
Revenues:	**$ 12,007,655**	
<u>Expenses:</u>		
Labor & Benefits	**$ 3,048,300**	
Purchased Water	**$ 3,291,000**	
Purchased Power	**$ 697,000**	
Plant Operations	**$ 381,300**	
Distribution System	**$ 1,064,526**	
General & Administrative	**$ 728,000**	
Capital Outlay & Equipment	**$ 120,000**	
Capital Improvements (pay-as-you-go)	**$ 3,275,000**	
Depreciation Fund	**$ -**	
Future Liability Fund (OPEB)	**$ 100,000**	
Debt Services	**$ 613,838**	
Total Expenses	**$ 13,318,964**	
Net Income (Loss) From Operations 2017-18		**$ (1,311,309)**
Transfer from MTBE Funds		**$ -**
Estimated Cash Reserves at June 30, 2018		**$ 1,904,511**
Target Reserve Level at June 30, 2018		**$ 3,707,000**

Date: 8/1/2017

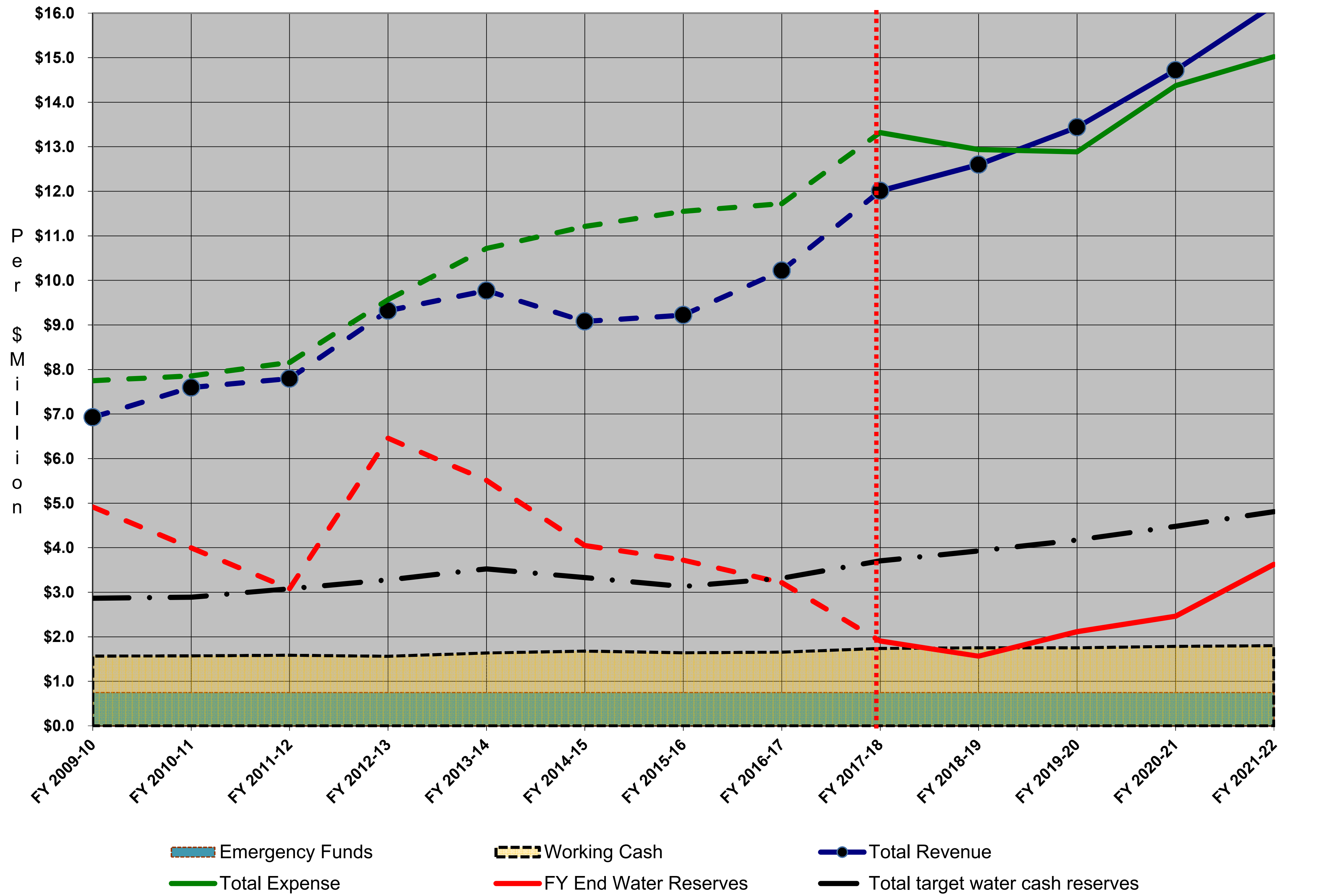
Budget FY 2017/18 - Final
Projected Revenue Breakdown



Budget FY 2017/18 - Projected Expense Breakdown



Crescenta Valley Water District
Budget - FY 17/18 - Preliminary v1
Water Expense vs. Revenue Summary



CVWD FY 2017-18 WATER BUDGET - FINAL

	FY 2016-17 WATER BUDGET	FY 2016-17 Estimate for YEAR END	FY 2017-18 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WATER FORECAST
WATER REVENUES (BASED ON 4,500 AF LESS SHRINKAGE)						
Water Sales - Consumers	$ 6,953,000	$ 6,632,864	$ 7,878,000			$ 8,691,000
FMWD Charge	$ -	$ -	$ -			$ -
Subtotal Variable Revenue Sources	**$ 6,953,000**	**$ 6,632,864**	**$ 7,878,000**	**13.30%**	**18.77%**	**$ 8,691,000**
Water Sales- Service Charge	$ 2,247,000	$ 2,246,625	$ 2,650,000	17.94%	17.95%	$ 2,813,000
Water Sales - Fire Service	$ 38,000	$ 58,379	$ 40,000	5.26%	-31.48%	$ 43,000
Water Sales - Others	$ 80,000	$ 65,374	$ 68,374	-14.53%	4.59%	$ 71,374
Meter Installation/Hydrant Cha	$ 30,000	$ 43,440	$ 43,440	44.80%	0.00%	$ 60,000
Water Systems Connect Fee	$ 45,000	$ 202,500	$ 45,000	0.00%	-77.78%	$ 50,000
Other Income - Water/Grants Funds	$ 1,155,250	$ 605,300	$ 1,018,000	-11.88%	68.18%	$ 625,475
Interest Earned/Gain on Sale of Investments - Water	$ 240,200	$ 295,975	$ 241,841	0.68%	-18.29%	$ 215,000
Property Rental Income	$ 23,000	$ 22,590	$ 23,000		1.81%	$ 23,000
TOTAL WATER REVENUE	**$ 10,811,450**	**$ 10,173,047**	**$ 12,007,655**	**11.06%**	**18.03%**	**$ 12,591,849**
WATER COMPENSATION AND BENEFITS						
Director Fees	$ 9,000	$ 8,000	$ 9,000	0.00%	12.50%	$ 9,000
Officer Salaries	$ 170,000	$ 178,113	$ 175,000	2.94%	-1.75%	$ 178,000
Administrative Services-Labor	$ 366,000	$ 354,040	$ 365,000	-0.27%	3.10%	$ 373,000
Administrative Services-OT	$ 3,000	$ 4,271	$ 3,000	0.00%	-29.76%	$ 3,000
Engineering-Labor	$ 298,000	$ 331,450	$ 330,000	10.74%	-0.44%	$ 301,000
Engineering-OT	$ 4,000	$ 2,958	$ 4,000	0.00%	35.23%	$ 4,000
Salaries Plant Admin	$ 221,000	$ 198,546	$ 203,600	-7.87%	2.55%	$ 223,000
Plant Administrative - OT	$ -	$ 705	$ -	#DIV/0!	-100.00%	$ -
System Operations	$ 298,000	$ 310,418	$ 315,000	5.70%	1.48%	$ 301,000
System Operations - OT	$ 22,000	$ 11,607	$ 15,000	-31.82%	29.23%	$ 22,000
Utility Workers Labor	$ 345,000	$ 357,081	$ 368,000	6.67%	3.06%	$ 356,000
Utility Workers Labor-OT	$ 52,000	$ 40,129	$ 52,000	0.00%	29.58%	$ 52,000
Standby Pay	$ 43,000	$ 44,729	$ 46,000	6.98%	2.84%	$ 46,000
Automobile Allowance	$ 10,000	$ 10,200	$ 10,200	2.00%	0.00%	$ 10,200
Labor - Subtotal	**$ 1,841,000**	**$ 1,852,247**	**$ 1,895,800**	**2.98%**	**2.35%**	**$ 1,878,200**

CVWD FY 2017-18 WATER BUDGET - FINAL

	FY 2016-17 WATER BUDGET	FY 2016-17 Estimate for YEAR END	FY 2017-18 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WATER FORECAST
Sick and Vacation						
Sick Leave/Vacation-Office	$ 112,000	$ 129,353	$ 112,500	0.45%	-13.03%	$ 114,000
Sick Leave/Vacation-Plant	$ 74,000	$ 86,236	$ 75,000	1.35%	-13.03%	$ 76,000
Sick and Vacation - Subtotal	**$ 186,000**	**$ 215,589**	**$ 187,500**	**0.81%**	**-13.03%**	**$ 190,000**
Taxes - Payroll	$ 139,000	$ 134,020	$ 138,000	-0.72%	2.97%	$ 140,000
Employer Portion of PERS	$ 315,000	$ 300,157	$ 342,000	8.57%	13.94%	$ 342,000
Labor - Subtotal	**$ 454,000**	**$ 434,177**	**$ 480,000**	**5.73%**	**10.55%**	**$ 482,000**
Workers' Compensation						
Workers' Compensation - Office	$ 21,000	$ 21,170	$ 18,000	-14.29%	-14.97%	$ 16,500
Workers' Compensation-Plant	$ 90,000	$ 84,224	$ 73,000	-18.89%	-13.33%	$ 72,000
Workers' Compensation - Subtotal	**$ 111,000**	**$ 105,394**	**$ 91,000**	**-18.02%**	**-13.66%**	**$ 88,500**
Group Insurance - Health, Dental, Life, Vision & Self						
Health and Dental and Vision - Office	$ 128,000	$ 134,600	$ 140,000	9.38%	4.01%	$ 141,000
Life and Disability Insurance - Office	$ 10,000	$ 9,972	$ 10,000	0.00%	0.28%	$ 10,000
Health Dental and Vision-Plant	$ 140,000	$ 132,098	$ 147,000	5.00%	11.28%	$ 148,000
Retiree Health Care Expense	$ 74,000	$ 75,000	$ 84,000	13.51%	12.00%	$ 85,000
Self Insurance	$ 13,000	$ 10,000	$ 13,000	0.00%	30.00%	$ 13,000
Group Insurance - Subtotal	**$ 365,000**	**$ 361,670**	**$ 394,000**	**7.95%**	**8.94%**	**$ 397,000**
Labor Transfer to Capital	**$ -**	**$ -**	**$ -**			**$ -**
TOTAL - WATER COMPENSATION AND BENEFITS	**$ 2,957,000**	**$ 2,969,077**	**$ 3,048,300**	**3.09%**	**2.67%**	**$ 3,035,700**
WATER SYSTEM EXPENSES						
Purchased Water	$ 2,330,000	$ 3,196,667	$ 3,291,100	41.25%	2.95%	$ 3,449,600
Power Purchased - Pumping	$ 695,000	$ 695,400	$ 697,000	0.29%	0.23%	$ 718,000
TOTAL - WATER SYSTEM EXPENSES	**$ 3,025,000**	**$ 3,892,067**	**$ 3,988,100**	**31.84%**	**2.47%**	**$ 4,167,600**

CVWD FY 2017-18 WATER BUDGET - FINAL

	FY 2016-17 WATER BUDGET	FY 2016-17 Estimate for YEAR END	FY 2017-18 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WATER FORECAST
PLANT WATER OPERATION						
Utilities	$ 16,000	$ 12,360	$ 16,000	0.00%	29.45%	$ 17,000
Building Maintenance-Plant	$ 23,000	$ 22,433	$ 23,000	0.00%	2.53%	$ 23,500
Landscaping Expenses	$ 5,500	$ 6,832	$ 7,500	36.36%	9.78%	$ 7,500
Telemetering & Signal System	$ 10,000	$ 3,075	$ 10,000	0.00%	225.20%	$ 12,000
SCADA - Hardware	$ 6,000	$ 1,732	$ 6,000	0.00%	246.42%	$ 8,000
SCADA - Software	$ 13,000	$ -	$ 13,000	0.00%	#DIV/0!	$ 13,000
SCADA Communications	$ 2,500	$ 1,324	$ 2,500	0.00%	88.82%	$ 3,000
Lab & Sampling						
Lab & Sampling Expense	$ 65,000	$ 76,998	$ 90,000	38.46%	16.89%	$ 140,000
Chlorine & Treatment Expense	$ 71,000	$ 55,415	$ 65,000	-8.45%	17.30%	$ 67,000
Nitrate Plant	$ 70,000	$ 68,818	$ 70,000	0.00%	1.72%	$ 75,000
Uniforms	$ 9,000	$ 10,594	$ 9,500	5.56%	-10.33%	$ 10,000
Safety and Security - Plant	$ 17,000	$ 28,002	$ 20,000	17.65%	-28.58%	$ 20,500
Permit & Assessment Fees	$ 1,500	$ 2,006	$ 1,500	0.00%	-25.22%	$ 2,000
Training-Plant	$ 7,000	$ 4,848	$ 7,000	0.00%	44.39%	$ 7,500
Education Reimbursements/Certifications	$ 4,000	$ 2,911	$ 4,000	0.00%	37.41%	$ 4,000
Office Supplies & Misc Expenses-Plant	$ 7,000	$ 13,728	$ 7,000	0.00%	-49.01%	$ 7,500
Tools and Supplies-Plant	$ 16,000	$ 13,963	$ 16,000	0.00%	14.59%	$ 17,000
TOTAL - PLANT WATER OPERATION	**$ 343,500**	**$ 325,039**	**$ 368,000**	**7.13%**	**13.22%**	**$ 434,500**

CVWD FY 2017-18 WATER BUDGET - FINAL

	FY 2016-17 WATER BUDGET	FY 2016-17 Estimate for YEAR END	FY 2017-18 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WATER FORECAST
DISTRIBUTION SYSTEM EXPENSES						
Meters-Maintenance	$ 250,000	$ 169,691	$ 250,000	0.00%	47.33%	$ 225,000
Meters-Paving	$ 230,000	$ 158,605	$ 230,000	0.00%	45.01%	$ 230,000
Meters Repair/Replace/Upgrade	$ 10,000	$ 596	$ 10,000	0.00%	1577.85%	$ 10,000
Lateral Leaks and Repairs	$ 76,000	$ 36,952	$ 65,000	-14.47%	75.90%	$ 65,000
Meters - Trench Plate Rentals	$ 2,000	$ 8,476	$ 10,000	400.00%	17.98%	$ 10,000
Meters - D-jobs	$ 8,000	$ 29,881	$ 8,000	0.00%	-73.23%	$ 8,000
Pipelines-Maintenance	$ 51,000	$ 23,164	$ 52,000	1.96%	124.49%	$ 53,000
Pipelines-Paving	$ 20,000	$ 17,638	$ 20,000	0.00%	13.39%	$ 21,000
Fire Hydrant Repair/Replace	$ 13,000	$ 11,290	$ 14,000	7.69%	24.00%	$ 15,000
Pipelines-Leak Detection/Leak	$ 25,000	$ 1,310	$ 25,000		1808.40%	$ 5,000
Pipelines-Trench Plate Rentals	$ 2,500	$ 492	$ 2,500		408.13%	$ 2,500
Pipelines-Water Sampling Stations	$ 500	$ 38	$ 500	0.00%	1215.79%	$ 500
Pipelines-Valves	$ 4,000	$ -	$ 5,000	25.00%		$ 6,000
Backflow Expense	$ 500	$ 635	$ 500	0.00%	-21.26%	$ 500
Reservoirs-Maintenance	$ 80,000	$ 71,669	$ 83,000	3.75%	15.81%	$ 86,000
Reservoir-Landscape	$ 17,000	$ 9,780	$ 30,000	76.47%	206.75%	$ 31,000
Well Site Maintenance	$ 45,000	$ 65,198	$ 45,000	0.00%	-30.98%	$ 48,000
Well Site- Landscape	$ 5,000	$ 2,760	$ 5,000	0.00%	81.16%	$ 5,000
Well Site- Lease	$ 300	$ 300	$ 300	0.00%	0.00%	$ 300
GWP - Land Lease	$ -	$ 15,000	$ 15,726	#DIV/0!	4.84%	$ 16,000
Booster Pumps-Maintenance	$ 57,000	$ 85,139	$ 62,000	8.77%	-27.18%	$ 67,000
Generators-Emergency Power	$ 22,500	$ 12,537	$ 22,500	0.00%	79.47%	$ 23,000
Auto/Truck Maintenance	$ 55,000	$ 64,716	$ 70,000	27.27%	8.16%	$ 72,000
Auto/Truck Maintenance- Gas	$ 20,000	$ 15,154	$ 20,000	0.00%	31.98%	$ 20,500
Auto/Truck Maintenance- Diesel	$ 18,000	$ 13,380	$ 18,500	2.78%	38.27%	$ 19,000
Taxes-Property	$ 13,300	$ 12,767	$ 13,300	0.00%	4.17%	$ 13,500
TOTAL - DISTRIBUTION SYSTEM EXPENSES	**$ 1,025,600**	**$ 827,168**	**$ 1,077,826**	**5.09%**	**30.30%**	**$ 1,052,800**

CVWD FY 2017-18 WATER BUDGET - FINAL

	FY 2016-17 WATER BUDGET	FY 2016-17 Estimate for YEAR END	FY 2017-18 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WATER FORECAST
GENERAL AND ADMINISTRATIVE EXPENSES						
Engineering Expense	$ 11,000	$ 10,129	$ 11,000	0.00%	8.60%	$ 12,000
Accounting	$ 13,000	$ 13,000	$ 11,000	-15.38%	-15.38%	$ 11,000
Legal	$ 47,000	$ 52,516	$ 49,000	4.26%	-6.70%	$ 51,000
Administrative Consultants	$ 130,000	$ 53,256	$ 161,500	24.23%	203.25%	$ 150,000
General Liability Insurance	$ 56,000	$ 52,849	$ 53,000	-5.36%	0.29%	$ 56,000
Building Maintenance	$ 12,000	$ 11,874	$ 12,000	0.00%	1.06%	$ 12,000
Landscaping Expense	$ 7,500	$ 5,156	$ 7,500	0.00%	45.46%	$ 8,000
Office Supplies & Misc Expense	$ 5,500	$ 4,097	$ 5,500	0.00%	34.24%	$ 6,000
Computer Hardware	$ 25,000	$ 25,000	$ 25,000	0.00%	0.00%	$ 26,000
Computer Software/Software Maintenance/Licenses	$ 50,000	$ 50,000	$ 53,000	6.00%	6.00%	$ 53,000
Utilities	$ 21,000	$ 18,220	$ 21,000	0.00%	15.26%	$ 21,500
Office -Enterprise Voice Communication	$ 40,000	$ 42,916	$ 40,000	0.00%	-6.79%	$ 41,000
Office - Data Communications	$ 49,000	$ 50,358	$ 49,000	0.00%	-2.70%	$ 50,000
Office - Wireless Voice & Data Communications	$ 14,000	$ 15,252	$ 14,000	0.00%	-8.21%	$ 15,000
Printing Expenses	$ 37,500	$ 35,168	$ 36,000	-4.00%	2.37%	$ 36,500
Election Expense	$ -	$ -	$ -			$ 45,000
Uncollectible Accounts	$ 3,500	$ 2,749	$ 4,000	14.29%	45.51%	$ 3,500
Water System Fees and ULARA	$ 50,000	$ 68,036	$ 50,000	0.00%	-26.51%	$ 51,000
Training Office	$ 3,500	$ 2,477	$ 4,000	14.29%	61.49%	$ 4,500
Education Reimbursements/Certifications - Office	$ -	$ -	$ -			$ -
Conferences & Seminars	$ 9,000	$ 8,405	$ 8,500	-5.56%	1.13%	$ 9,500
Board Conferences & Seminars	$ 5,000	$ 2,144	$ 5,000	0.00%	133.21%	$ 5,000
Water Conservation Expense	$ 30,000	$ 20,992	$ 30,000	0.00%	42.91%	$ 31,000
Water Conservation Advertising	$ 2,500	$ 3,528	$ 2,500	0.00%	-29.14%	$ 2,500
Conservation Turf Rebate	$ -	$ -	$ -		#DIV/0!	$ -
Washer/Other Rebates	$ 5,000	$ 354	$ 5,000	0.00%	1312.43%	$ 5,000
Community Outreach	$ 12,000	$ 2,964	$ 12,000	0.00%	304.86%	$ 12,000
Misc Administration	$ 5,000	$ 5,514	$ 5,000	0.00%	-9.32%	$ 5,000
Membership Renewals/Subscriptions	$ 22,000	$ 22,883	$ 23,000	4.55%	0.51%	$ 24,000
Board Misc. Administration	$ 2,000	$ 2,123	$ 2,000	0.00%	-5.79%	$ 2,000
Bank Charges	$ 21,500	$ 22,249	$ 23,000	6.98%	3.38%	$ 24,000
Rental Properties Expenses	$ 2,500	$ 10,000	$ 3,500	40.00%	-65.00%	$ 3,500
Emergency Operations	$ 2,000	$ -	$ 2,000	0.00%	#DIV/0!	$ 2,000
Subtotal	**$ 694,000**	**$ 614,209**	**$ 728,000**	**4.90%**	**18.53%**	**$ 778,500**

CVWD FY 2017-18 WATER BUDGET - FINAL

	FY 2016-17 WATER BUDGET	FY 2016-17 Estimate for YEAR END	FY 2017-18 WATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WATER FORECAST
2007 COPS Principle and Interest Costs	$ 614,000	$ 614,038	$ 613,838	-0.03%	-0.03%	$ 613,238
Capital Outlay & Equipment	$ 110,000	$ 45,177	$ 120,000	9.09%	9.09%	$ 130,000
Depreciation Reserve Fund	$ -	$ -	$ -			$ -
OPEB Fund	$ 100,000	$ 100,000	$ 100,000			$ 100,000
TOTAL - GENERAL AND ADMINISTRATIVE EXPENSES	**$ 1,518,000**	**$ 1,373,424**	**$ 1,561,838**	**2.89%**	**13.72%**	**$ 1,621,738**
TOTAL WATER EXPENSES	$ 8,869,100	$ 9,386,775	$ 10,044,064	**13.25%**	**7.00%**	**$ 10,312,338**
NET WATER INCOME/(LOSS)	$ 1,942,350	$ 786,272	$ 1,963,591			**$ 2,279,511**

CRESCENTA VALLEY WATER DISTRICT

Fiscal Year 2017-18 Wastewater Budget
Executive Summary

Presented herein is the Crescenta Valley Water District's (CVWD) Fiscal Year 2017-18 Wastewater Budget adopted by the Board of Directors (Board) on June 20, 2017. 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 2017-18 is guided by the discussion and direction set by the Board in the spring of 2017. The budget presented here was developed with the assistance of the Finance Committee and Engineering Committee.

Staff's goals for the FY 2017-18 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; and
- 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 months water use.

Staff calculated the expected monthly service charge revenues from residential, commercial, and school customers based upon 8,057 Equivalent Dwelling Units (EDU's) for FY 2017-18. Wastewater usage charge revenue is calculated based on prior year winter water use. Total wastewater service and usage charges are budgeted at $3,114,000 for FY 2017-18. Projected wastewater revenues for FY 2017-18 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 2016-17
- Other projected sources of revenue include developer/connection fees, late fees, and other miscellaneous sources totaling $37,000 which brings the total anticipated revenue for FY 2017-18 to $3,152,000

Expenses for City of Los Angeles Treatment and Disposal Costs:

The City of Los Angeles (LA) has provided CVWD with cost projections for FY 2017-18 through FY 2021-22 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 2017-18 staff used the average LA Cost of $1,216,000 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 for 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 2016-17 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 2016-17
- 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 2017-18 to assess the needs of the wastewater collection system
- The overall Operations and Maintenance (O&M) budget has been set at $411,000 for FY 2017-18, which is $2,000 more than budgeted for FY 2016-17

Capital Outlay & Equipment:

Capital outlay & equipment planned for FY 2017-18 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. Total for this category was $222,000 for FY 2017-18 which is $355,000 lower than in FY 2016-17 due to the $300,000 estimated cost for the new sewer Vactor truck.

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 2017-18 is $147,000, which is $38,000 less than was budgeted in FY 2016-17.

- Major projects completed in FY 2016-17:
  - Sewer Relining – 500 linear feet; and
  - Design of new telemetry/communication equipment for Diverter Valve & Lift Station.
- Major projects planned in FY 2017-18:
  - Repairs and/or relining of approximately 1,000LF of pipes as identified during the videotape inspection;
  - Sewer manhole rehabilitation; and
  - 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; and
- 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 for 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 make 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 $146,000 in FY 2016-17 and is projected to decrease an additional $278,000 in FY 2017-18. The Wastewater Reserve balance is projected to be $2,001,000 above the target reserve amount at the end of FY 2017-18.

Special thanks to the Finance and Engineering Committees that worked diligently to provide valuable input in developing the FY 2017-18 Budget.

I also want to express my gratitude to the management staff for their many hours spent preparing the FY 2017-18 Wastewater Budget.

Submitted by:

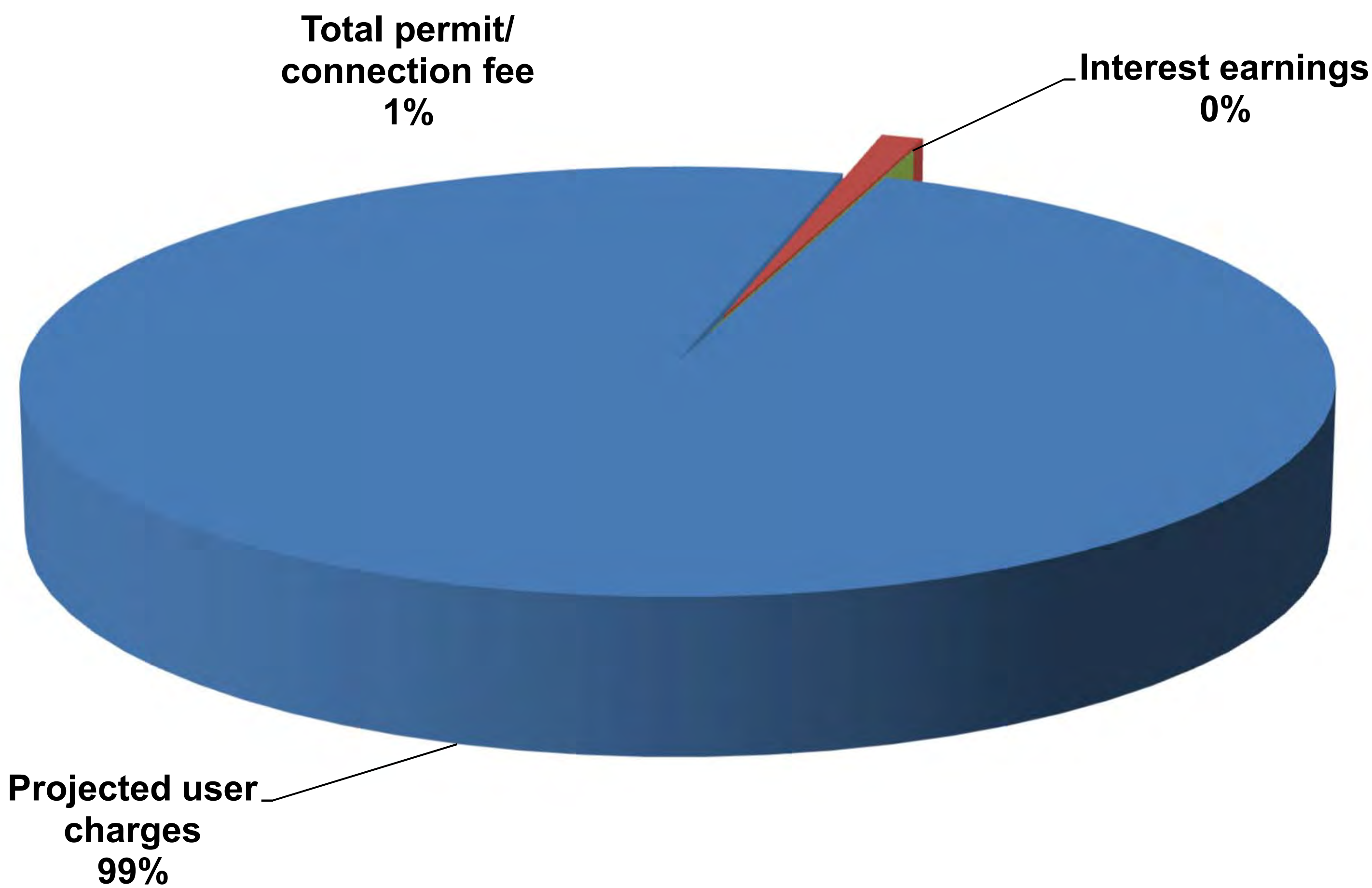
Thomas A. Love, P.E.
General Manager

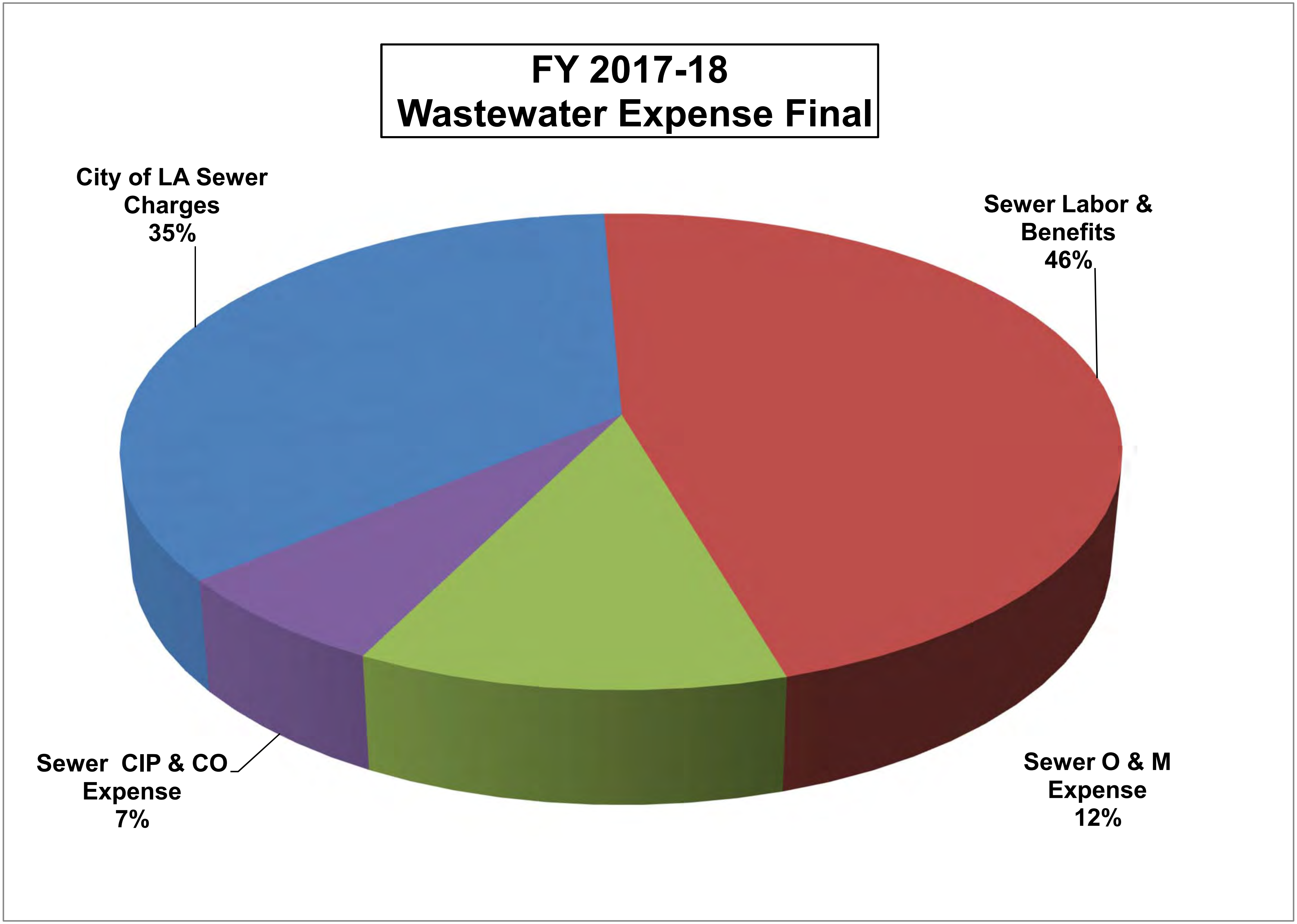
CRESCENTA VALLEY WATER DISTRICT
FISCAL YEAR BUDGET 2017-2018
WASTEWATER OPERATIONS

Estimated Cash Reserves at June 30, 2017		**$ 4,732,186**
Revenues	**$ 3,152,000**	
<u>Expenses:</u>		
L. A. Sewer System Charges	**$ 1,216,000**	
Labor & Benefits	**$ 1,580,846**	
Plant Operations	**$ 65,525**	
Collection System	**$ 60,771**	
General & Administrative	**$ 284,400**	
Capital Outlay & Equipment	**$ 222,000**	
Depreciation Fund	**$ 900,000**	
Future Liability Fund	**$ -**	
Total Expenses	**$ 4,329,542**	
Net Income (Loss) From Operations 2017-2018		**$ (1,177,542)**
Estimated Cash Reserves at June 30, 2018		**$ 3,554,644**
Target Reserve Level at June 30, 2018		**$ 2,452,800**

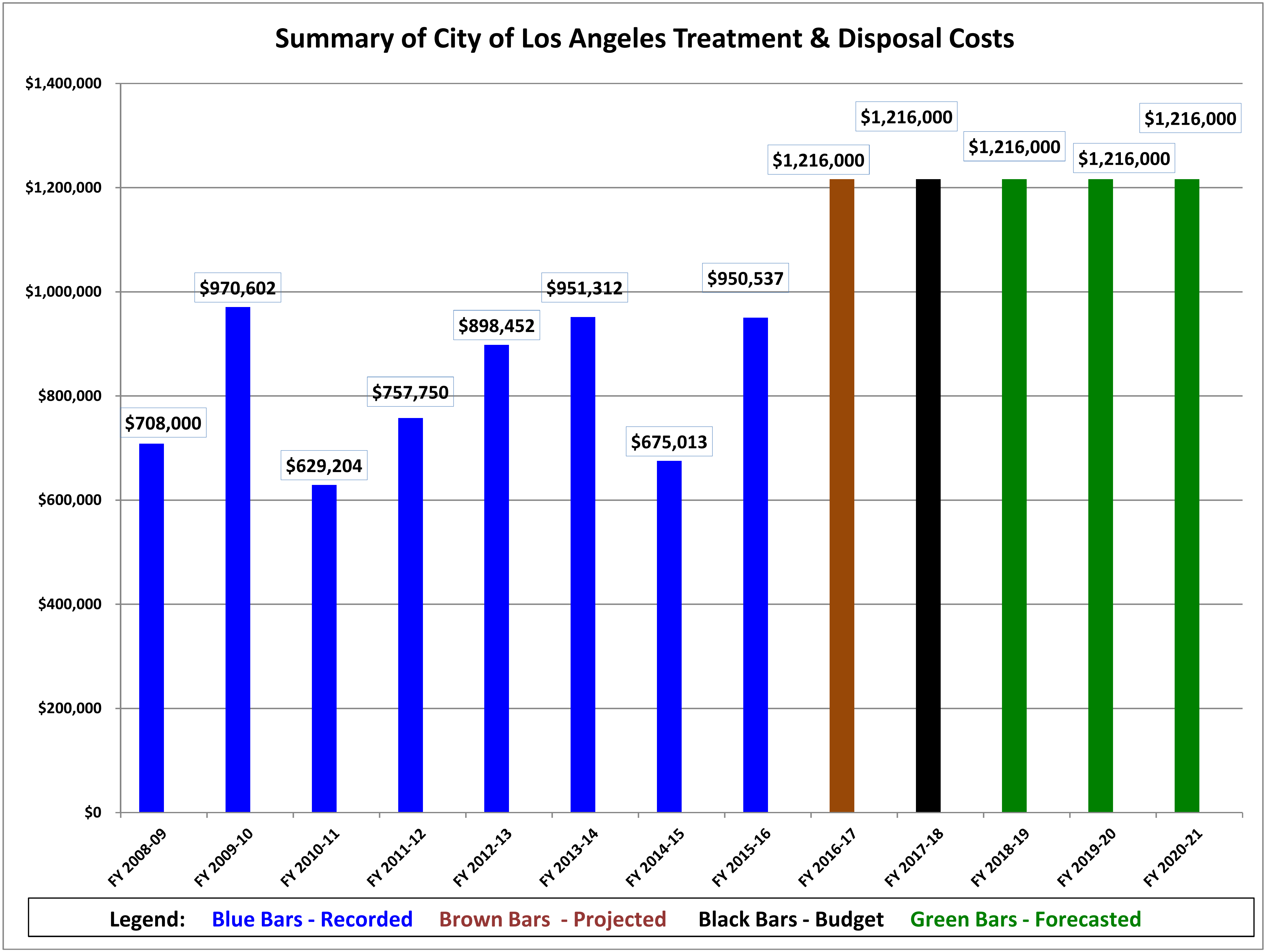
Date: 8/1/2017

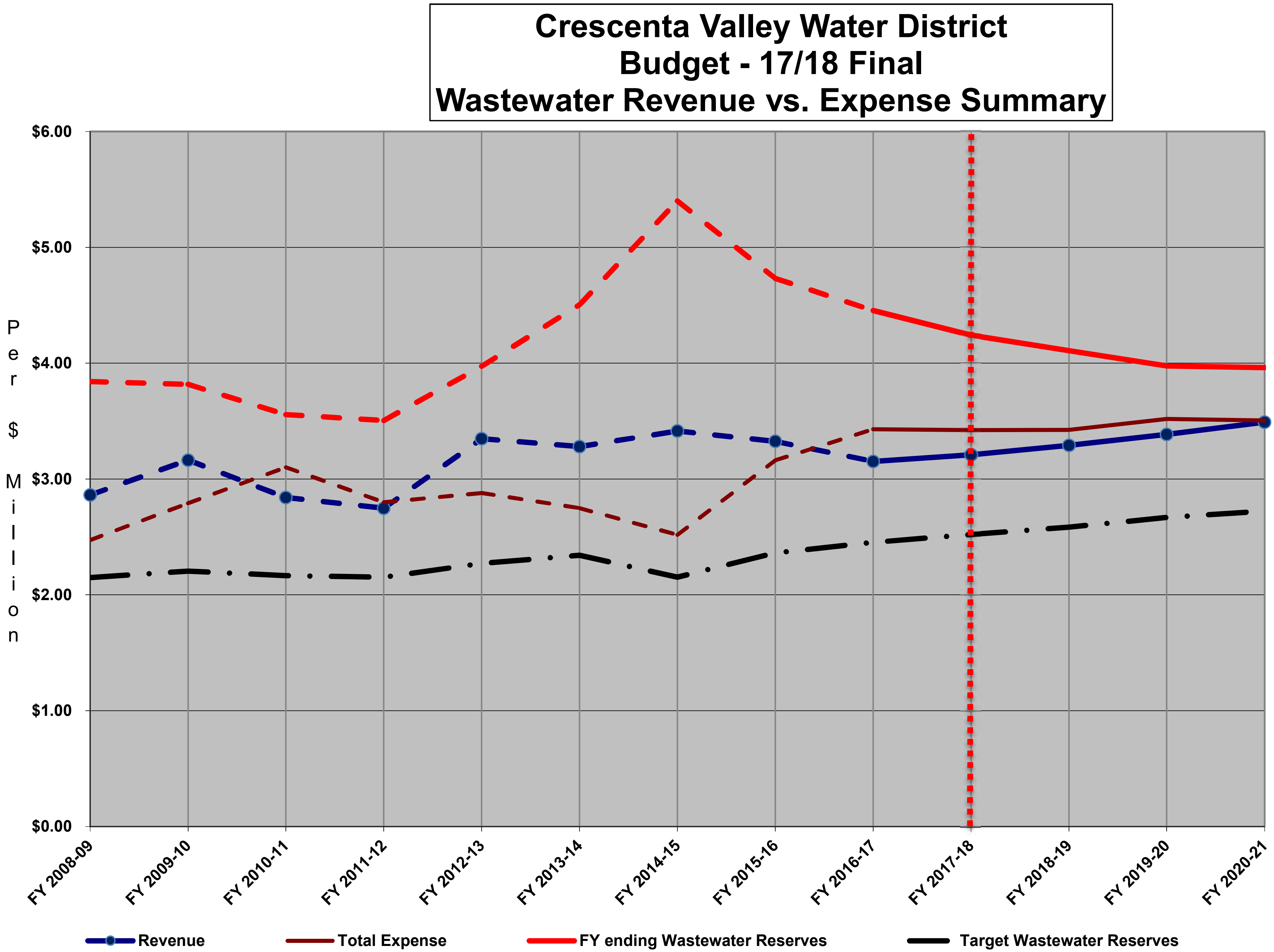
Budget FY 2017-18
Wastewater Revenue Final





Date:8/11/2017


Summary of City of Los Angeles Treatment & Disposal Costs
$1,400,000
$1,200,000
$1,000,000
$800,000
$600,000
$400,000
$200,000
$0
$708,000
$970,602
$629,204
$757,750
$898,452
$951,312
$675,013
$950,537
$1,216,000
$1,216,000
$1,216,000
$1,216,000
$1,216,000
FY 2008-09
FY 2009-10
FY 2010-11
FY 2011-12
FY 2012-13
FY 2013-14
FY 2014-15
FY 2015-16
FY 2016-17
FY 2017-18
FY 2018-19
FY 2019-20
FY 2020-21
Legend: Blue Bars - Recorded Brown Bars - Projected Black Bars - Budget Green Bars - Forecasted



Date: 8/11/2017

CVWD FY 2017-18 WASTEWATER BUDGET - FINAL

	FY 2016-17 WASTEWATER BUDGET	FY 2016-17 ESTIMATE FOR YEAR END	FY 2017-18 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WASTEWATER FORECAST
WASTEWATER REVENUES						
Sewage Disposal Sales	$ 3,368,000	$ 2,980,988	$ 3,114,670	-7.52%	4.48%	$ 3,171,937
Sewer Late Fees	$ -	$ -	$ -			$ -
Property Owner Assessment Fees	$ 20,000	$ 20,000	$ 20,000	0.00%	0.00%	$ 20,000
Sewer Permits	$ 4,000	$ 1,500	$ 4,000	0.00%	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	**$ 3,405,000**	**$ 3,015,488**	**$ 3,151,670**	**-7.44%**	**4.52%**	**$ 3,208,937**
WASTEWATER COMPENSATION AND BENEFITS						
Director Fees	$ 9,000	$ 7,614	$ 9,000	0.00%	18.20%	$ 9,000
Officer Salaries	$ 170,000	$ 173,114	$ 170,000	0.00%	-1.80%	$ 171,000
Administrative Services-Labor	$ 283,000	$ 287,811	$ 283,000	0.00%	-1.67%	$ 247,000
Administrative Services-OT	$ 3,000	$ 4,271	$ 3,000	0.00%	-29.76%	$ 2,000
Engineering-Labor	$ 111,000	$ 110,484	$ 111,000	0.00%	0.47%	$ 100,300
Engineering-OT	$ 1,000	$ 986	$ 1,000	0.00%	1.42%	$ 1,325
Salaries Plant Admin	$ 74,000	$ 56,568	$ 74,000	0.00%	30.82%	$ 74,300
Plant Administrative - OT	$ -	$ 164	$ -			$ -
Maintenance Workers Labor	$ 201,000	$ 127,180	$ 201,000	0.00%	58.04%	$ 213,000
Maintenance Workers Labor-OT	$ 22,000	$ 13,114	$ 22,000	0.00%	67.76%	$ 22,000
Standby Pay	$ 14,000	$ 14,909	$ 14,000	0.00%	-6.10%	$ 14,600
Automobile Allowance	$ 10,000	$ 10,200	$ 10,200	2.00%	0.00%	$ 10,200
Labor Transfer to Capital	$ -	$ -	$ -			$ -
Labor - Subtotal	**$ 898,000**	**$ 806,415**	**$ 898,200**	**0.02%**	**11.38%**	**$ 864,725**

CVWD FY 2017-18 WASTEWATER BUDGET - FINAL

	FY 2016-17 WASTEWATER BUDGET	FY 2016-17 ESTIMATE FOR YEAR END	FY 2017-18 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WASTEWATER FORECAST
Sick and Vacation						
Sick Leave/Vacation-Office	$ 37,000	$ 43,117	$ 37,000	0.00%	-14.19%	$ 37,300
Sick Leave/Vacation-Plant	$ 25,000	$ 28,745	$ 25,000	0.00%	-13.03%	$ 24,600
Sick and Vacation - Subtotal	**$ 62,000**	**$ 71,862**	**$ 62,000**	**0.00%**	**-13.72%**	**$ 61,900**
Taxes - Payroll	$ 93,000	$ 89,346	$ 93,000	0.00%	4.09%	$ 94,000
Employer Portion of PERS	$ 210,000	$ 200,656	$ 210,000	0.00%	4.66%	$ 228,000
Labor - Subtotal	**$ 303,000**	**$ 290,002**	**$ 303,000**	**0.00%**	**4.48%**	**$ 322,000**
Workers' Compensation						
Workers' Compensation - Office	$ 14,000	$ 14,112	$ 14,000	0.00%	-0.79%	$ 12,000
Workers' Compensation-Plant	$ 60,000	$ 56,149	$ 60,000	0.00%	6.86%	$ 54,675
Workers' Compensation - Subtotal	**$ 74,000**	**$ 70,261**	**$ 74,000**	**0.00%**	**5.32%**	**$ 66,675**
Group Insurance - Health, Dental, Life, Vision & Self						
Health and Dental and Vision - Office	$ 86,000	$ 89,711	$ 86,000	0.00%	-4.14%	$ 87,300
Life and Disability Insurance - Office	$ 7,000	$ 6,648	$ 7,000	0.00%	5.29%	$ 6,750
Health Dental and Vision-Plant	$ 93,000	$ 87,995	$ 93,000	0.00%	5.69%	$ 94,700
Self Insurance	$ 8,000	$ 4,091	$ 8,000	0.00%	95.55%	$ 8,600
Retiree Health Care Expense	$ 49,000	$ 48,000	$ 49,646	1.32%	3.43%	$ 50,000
Group Insurance - Subtotal	**$ 243,000**	**$ 236,445**	**$ 243,646**	**0.27%**	**3.05%**	**$ 247,350**
TOTAL - WATER COMPENSATION AND BENEFITS	**$ 1,580,000**	**$ 1,474,985**	**$ 1,580,846**	**0.05%**	**7.18%**	**$ 1,562,650**
WASTEWATER L.A. SYSTEM EXPENSES						
Wastewater System Expenses	$ 1,243,420	$ 950,537	$ 1,216,000	-2.21%	27.93%	$ 1,216,000
Los Angeles ASSS Facilities Charges	$ -	$ -	$ -			$ -
TOTAL - WASTEWATER SYSTEM EXPENSES	**$ 1,243,420**	**$ 950,537**	**$ 1,216,000**	**-2.21%**	**27.93%**	**$ 1,216,000**

CVWD FY 2017-18 WASTEWATER BUDGET - FINAL

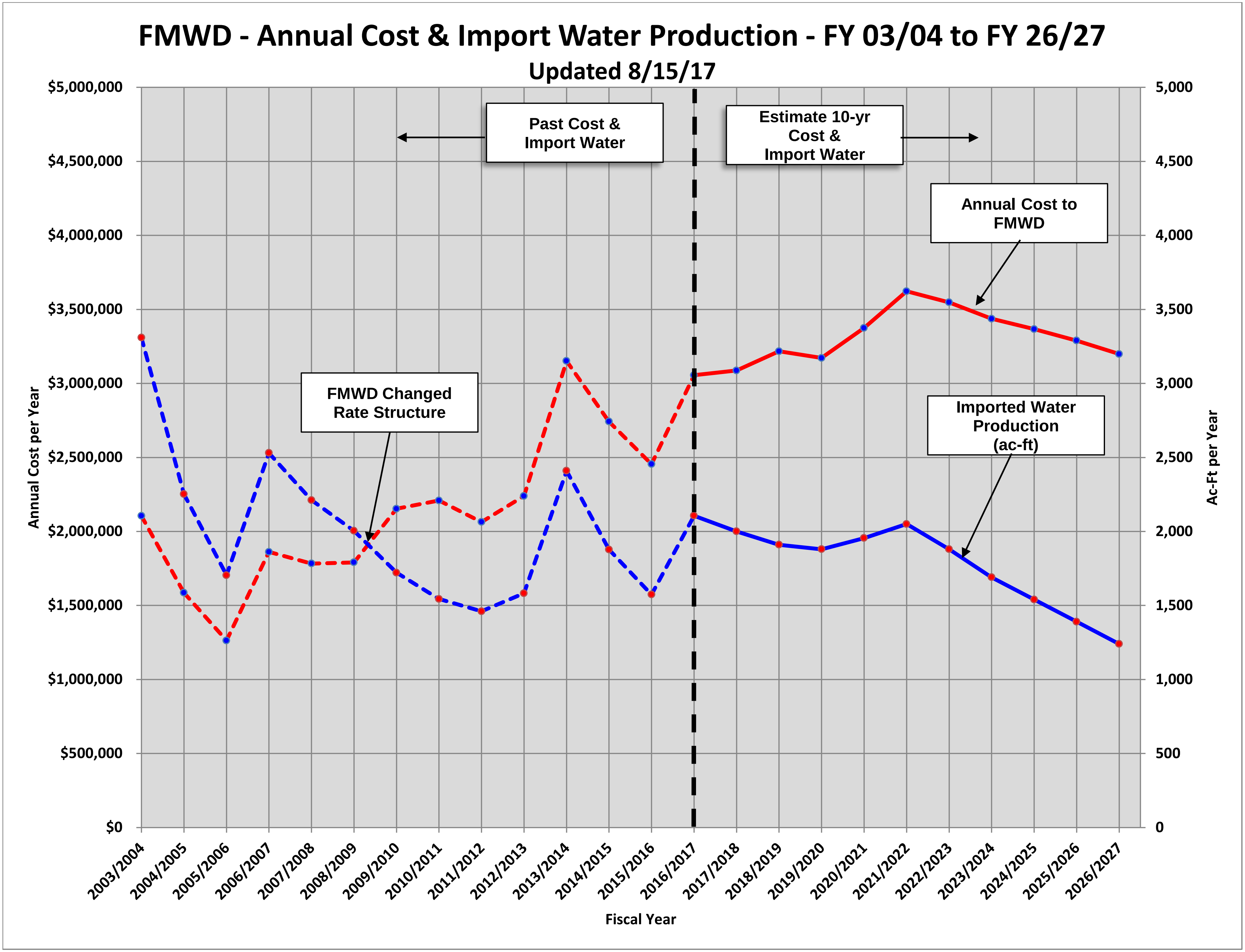
	FY 2016-17 WASTEWATER BUDGET	FY 2016-17 ESTIMATE FOR YEAR END	FY 2017-18 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WASTEWATER FORECAST
PLANT WASTEWATER OPERATION						
Power Purchased-Sewer	$ 750	$ 598	$ 750	0.00%	25.42%	$ 800
Utilities-Plant	$ 5,300	$ 2,935	$ 5,300	0.00%	80.58%	$ 5,700
Building Maintenance-Plant	$ 7,500	$ 12,110	$ 7,500	0.00%	-38.07%	$ 8,000
Landscaping Expense-Plant	$ 1,800	$ 2,276	$ 1,800	0.00%	-20.91%	$ 2,000
Telemetering & Signal System	$ 3,300	$ 3,300	$ 3,300	0.00%	0.00%	$ 4,000
SCADA Hardware	$ 2,000	$ 2,000	$ 2,000	0.00%	0.00%	$ 2,700
SCADA Software	$ 4,400	$ 4,400	$ 4,400	0.00%	0.00%	$ 4,700
SCADA Phone Lines & Radio	$ 850	$ 850	$ 850	0.00%	0.00%	$ 1,000
Uniforms-Sewer	$ 3,000	$ 3,530	$ 3,000	0.00%	-15.01%	$ 3,250
Safety and Security	$ 5,750	$ 9,503	$ 5,750	0.00%	-39.49%	$ 5,800
Training-Plant	$ 2,375	$ 1,046	$ 2,375	0.00%	127.06%	$ 2,500
Office Supplies & Misc Expenses - Plant	$ 7,000	$ 13,986	$ 7,000	0.00%	-49.95%	$ 7,500
Tools and Supplies-Plant	$ 16,000	$ 15,035	$ 16,000	0.00%	6.42%	$ 17,000
Education Reimbursements/Certifications	$ 1,000	$ 750	$ 1,000	0.00%	33.33%	$ 1,000
TOTAL - PLANT WATER OPERATION	**$ 61,025**	**$ 72,319**	**$ 61,025**	**0.00%**	**-15.62%**	**$ 65,950**
COLLECTION SYSTEM EXPENSES						
Sewer Flow Monitoring	$ 12,500	$ 14,208	$ 14,208	13.66%	0.00%	$ 14,708
Pipeline Maintenance-Sewer	$ 5,000	$ 1,552	$ 5,000	0.00%	222.16%	$ 6,000
Interceptor Maintenance	$ 4,000	$ -	$ 4,000	0.00%	#DIV/0!	$ 4,000
Sewer Lift Station	$ 3,500	$ 3,663	$ 3,663	4.66%	0.00%	$ 4,163
Autos/Truck Maintenance	$ 18,300	$ 24,842	$ 18,300	0.00%	-26.33%	$ 19,000
Auto/Truck Maintenance-Gas	$ 6,600	$ 5,051	$ 6,600	0.00%	30.67%	$ 6,800
Auto/Truck Maintenance-Diesel	$ 6,000	$ 4,460	$ 6,000	0.00%	34.53%	$ 6,200
Sewer Camera Van Inspection	$ 3,000	$ 69	$ 3,000	0.00%	4247.83%	$ 3,000
Taxes-Property	$ 4,500	$ 4,255	$ 4,500	0.00%	5.76%	$ 4,600
TOTAL - COLLECTION SYSTEM EXPENSES	**$ 63,400**	**$ 58,100**	**$ 65,271**	**2.95%**	**12.34%**	**$ 68,471**

CVWD FY 2017-18 WASTEWATER BUDGET - FINAL

	FY 2016-17 WASTEWATER BUDGET	FY 2016-17 ESTIMATE FOR YEAR END	FY 2017-18 WASTEWATER BUDGET	Percentage Change from Previous Year Budget	Percentage Change from Previous Year Estimate	FY 2018-19 WASTEWATER FORECAST
GENERAL AND ADMINISTRATIVE EXPENSES						
Engineering Expenses	$ 3,600	$ 3,376	$ 3,600	0.00%	6.64%	$ 4,000
Accounting	$ 13,000	$ 10,000	$ 13,000	0.00%	30.00%	$ 14,500
Legal	$ 15,600	$ 15,915	$ 15,600	0.00%	-1.98%	$ 16,600
Adminstrative Consultants	$ 44,000	$ 20,912	$ 44,000	0.00%	110.41%	$ 42,500
General Liability Insurance	$ 56,000	$ 52,849	$ 56,000	0.00%	5.96%	$ 59,000
Building Maintenance	$ 4,000	$ 3,958	$ 4,000	0.00%	1.06%	$ 4,000
Landscaping Expense	$ 2,500	$ 1,718	$ 2,500	0.00%	45.52%	$ 2,650
Supplies & Misc Expense	$ 5,500	$ 4,039	$ 5,500	0.00%	36.17%	$ 6,000
Computers - Hardware	$ 8,500	$ 6,728	$ 8,500	0.00%	26.34%	$ 8,600
Computer - Software/Software Maint./Licenses	$ 17,000	$ 10,139	$ 17,000	0.00%	67.67%	$ 17,000
Utilities	$ 7,200	$ 6,818	$ 7,200	0.00%	5.60%	$ 7,200
Office - Voice Communications (landline phones)	$ 13,600	$ 14,304	$ 13,600	0.00%	-4.92%	$ 13,600
Office - Data Communications (Fibre lines/Internet)	$ 16,000	$ 16,786	$ 16,000	0.00%	-4.68%	$ 17,000
Office- Wireless Voice & Data Communications	$ 4,750	$ 5,083	$ 4,750	0.00%	-6.55%	$ 5,000
Printing, Postage, Stationery, Copier Maint. Expenses	$ 37,500	$ 30,641	$ 37,500	0.00%	22.39%	$ 38,000
Election Expense	$ -	$ -	$ -			$ 45,000
Uncollectible Accounts	$ 1,150	$ 1,048	$ 1,150	0.00%	9.73%	$ 1,150
Training Office	$ 1,150	$ 629	$ 1,150	0.00%	82.83%	$ 1,350
Conferences & Seminars	$ 3,000	$ 2,189	$ 3,000	0.00%	37.05%	$ 3,300
Board Conferences & Seminars	$ 1,675	$ 714	$ 1,675	0.00%	134.59%	$ 1,675
Misc Administration	$ 1,675	$ 1,837	$ 1,675	0.00%	-8.82%	$ 1,675
Membership Renewals/Subscriptions	$ 7,500	$ 8,231	$ 7,500	0.00%	-8.88%	$ 7,600
Board Misc. Administration	$ 650	$ 707	$ 650	0.00%	-8.06%	$ 650
Bank Charges	$ 18,000	$ 20,233	$ 18,000	0.00%	-11.04%	$ 19,000
Rental Properties Expenses	$ 850	$ 3,929	$ 850	0.00%	-78.37%	$ 850
TOTAL - GENERAL AND ADMINISTRATIVE EXPENSES	**$ 284,400**	**$ 242,783**	**$ 284,400**	**0.00%**	**17.14%**	**$ 337,900**
Sewer CIP and Capital Outlay	**$ 522,000**	**$ 362,388**	**$ 222,000**	**-57.47%**	**-38.74%**	**$ 172,000**
Transfer to Water Reserves	**$ -**	**$ -**	**$ -**			
OPEB Expense	**$ -**	**$ -**	**$ -**			**$ -**
Depreciation Reserve Fund	**$ 850,000**	**$ 850,000**	**$ 900,000**			**$ 950,000**
TOTAL WASTEWATER EXPENSES	**$ 4,604,245**	**$ 4,011,112**	**$ 4,329,542**	**-5.97%**	**7.94%**	**$ 4,372,971**
NET WASTEWATER INCOME/(LOSS)	**$ (1,199,245)**	**$ (995,624)**	**$ (1,177,872)**			**$ (1,164,034)**

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
2003/ 2004	3,309		$600	$610		$2,000,829				602	$681	$48,786	0	$50	$30,195	$25,269	$2,105,129		$636	
2004/ 2005	2,252	-47%	$628	$653	4%	$1,430,721				929	$709	$39,380	9	$2,278	$39,380	$39,288	$1,585,456	-33%	$704	10%
2005/ 2006	1,695	-33%	$653	$681	4%	$1,174,598				0	$734	$0	2	$1,060	$50,318	$38,262	$1,263,177	-26%	$745	6%
2006/ 2007	2,517	33%	$681	$736	8%	$1,767,696				0	$777	$0	8	$2,126	$58,478	$35,791	$1,861,965	32%	$740	-1%
2007/ 2008	2,210	-14%	$736	$794	8%	$1,678,802				128	$832	$12,326	0	$600	$58,478	$33,145	$1,782,751	-4%	$807	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%	$895	10%
2009/ 2010	1,718	-16%	$930	$1,052	13%	$1,513,393	$214,272	$47,279	$245,232	0	$811	$0	86	$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	$1,032	$4,288	2	$1,775	$28,434	$135,516	$2,742,335	-15%	$1,463	11%
2015/ 2016	1,572	-19%	$923	$942	2%	$1,463,644	$392,362	$228,193	$204,665	0	$1,055	$0	9	$5,023	$39,945	$120,792	$2,454,524	-12%	$1,561	6%
2016/ 2017	2,100	25%	$942	$979	4%	$2,013,000	$417,562	$265,675	$204,665	0	$1,073	$0	0	$600	$49,058	$103,326	$3,055,271	20%	$1,455	-7%
2017/ 2018	2,000	-5%	$979	$1,015	4%	$1,987,520	$451,647	$304,100	$204,665	0	$1,101	$0	0	$600	$43,347	$95,688	$3,086,967	1%	$1,543	6%
2018/ 2019	1,910	-5%	$1,015	$1,053	4%	$2,071,500	$484,059	$315,675	$204,665	0	$1,134	$0	0	$600	$40,319	$101,028	$3,217,246	4%	$1,684	8%
2019/ 2020	1,880	-2%	$1,053	$1,092	4%	$2,011,425	$510,532	$304,875	$204,665	0	$1,161	$0	0	$600	$36,065	$104,196	$3,171,758	-1%	$1,687	0%
2020/ 2021	1,955	4%	$1,092	$1,123	3%	$2,160,590	$532,486	$326,725	$209,782	0	$1,180	$0	0	$600	$37,445	$107,328	$3,374,355	6%	$1,726	2%
2021/ 2022	2,050	5%	$1,123	$1,164	4%	$2,338,845	$557,187	$352,975	$220,271	0	$1,214	$0	0	$600	$38,824	$114,138	$3,622,239	7%	$1,767	2%

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
2022/ 2023	1,880	-9%	$1,164	$1,222	5%	$2,238,372	$586,862	$329,000	$231,284	0	$1,275	$0	0	$600	$40,400	$121,389	$3,547,307	-2%	$1,887	6%
2023/ 2024	1,690	-11%	$1,222	$1,283	5%	$2,111,962	$616,205	$295,750	$242,848	0	$1,338	$0	0	$600	$42,420	$127,458	$3,436,643	-3%	$2,034	7%
2024/ 2025	1,540	-10%	$1,283	$1,347	5%	$2,017,042	$647,015	$269,500	$254,991	0	$1,405	$0	0	$600	$44,541	$133,831	$3,366,921	-2%	$2,186	7%
2025/ 2026	1,390	-11%	$1,347	$1,415	5%	$1,911,731	$679,366	$243,250	$267,740	0	$1,476	$0	0	$600	$46,768	$140,523	$3,289,378	-2%	$2,366	8%
2026/ 2027	1,240	-12%	$1,415	$1,486	5%	$1,790,138	$713,334	$217,000	$281,127	0	$1,549	$0	0	$600	$49,107	$147,549	$3,198,255	-3%	$2,579	8%


FMWD - Annual Cost & Import Water Production - FY 03/04 to FY 26/27
Updated 8/15/17
Past Cost & Import Water
Estimate 10-yr Cost & Import Water
Annual Cost to FMWD
FMWD Changed Rate Structure
Imported Water Production (ac-ft)
Annual Cost per Year
Ac-Ft per Year
Fiscal Year
$5,000,000
$4,500,000
$4,000,000
$3,500,000
$3,000,000
$2,500,000
$2,000,000
$1,500,000
$1,000,000
$500,000
$0
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
2003/2004
2004/2005
2005/2006
2006/2007
2007/2008
2008/2009
2009/2010
2010/2011
2011/2012
2012/2013
2013/2014
2014/2015
2015/2016
2016/2017
2017/2018
2018/2019
2019/2020
2020/2021
2021/2022
2022/2023
2023/2024
2024/2025
2025/2026
2026/2027

Capital Improvement Project Program FY 17-18 Budget	Recorded FY 16/17	Carryover from FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22
1. Water Supply							
A. Groundwater							
i. Well Rehabilitation							
Well 7 Rehabilitation	$ -						
Well 8 Rehabilitation	$ 44,385						
Well 5 Rehabilitation			$ 60,000				
Well 10 Rehabilitation			$ 85,000				
Well 7 Rehabilitation				$ 85,000			
Well 11 Rehabilitation				$ 85,000			
Well 14 Rehabilitation					$ 85,000		
Well 9 Rehabilitation					$ 85,000		
Well Rehabilitation (2 Wells per year)						$ 200,000	$ 200,000
ii. New Wells							
Re-Activate Well 2 - Design	$ 90,601		$ 160,300				
Re-Activate Well 2 - Construction	$ 189,960	$ 530,040	$ 880,000				
Well 18 (Sycamore House) - Design						$ 175,000	
Well 18 (Sycamore House) - Construction							$ 1,575,000
iii. Studies							
Update Water Well Replacement Study					$ 100,000		
B. Imported Water							
Ocean View Chlorination St (Grant - Matching Funds)	$ 4,464						
Ocean View - Equip. (Grant - Matching Funds)	$ 40,567						
Ocean View - Elect (Grant - Matching Funds)	$ 30,356						
Ocean View - Final	$ 58,738						
C. Groundwater Basin Recharge							
Storm Water Recharge Study (Grant - Matching Funds)	$ 61,862						
Stormwater Recharge Project - Design							
Stormwater Recharge Project - Construction				$ 500,000	$ 1,000,000	$ 1,500,000	
WS Total	$ 520,933	$ 530,040	$ 1,185,300	$ 670,000	$ 1,295,000	$ 1,875,000	$ 1,810,000
2. Water Storage							
A. Reservoir Rehabilitation							
i. Steel Reservoir Re-Coating/Roof/Vents Rehabilitation							
Oak Creek #1 & #2 - Roof/Air Vents/Recoat	$ 13,689	$ 306,310	$ 594,000				
Markridge - Roof/Air Vents/Recoat					$ 400,000		
Rosemont - Roof/Air Vents/Recoat							$ 400,000

Capital Improvement Project Program FY 17-18 Budget	Recorded FY 16/17	Carryover from FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22
ii. Concrete Reservoir Rehabilitation							
Encinal Reservoir - Concrete Rehabilitation				$ 200,000			
iii. Corrosion Protection							
Cathodic Protection Inspection & Replacement						$ 110,000	
iv. Overflow & Drain System Upgrade							
Overflow/Drain System Assessment Study					$ 25,000		
B. Reservoir Water Quality							
i. Water Mixing System							
Reservoir Water Quality & Mixing System Study					$ 125,000		
iv. Replace common inlet and outlet piping							
Reservoir Piping Technical Study (included with WQ & Mix Study)					$ 50,000		
C. New Reservoir Water Storage							
Ocean View #2 Reservoir (Top of Ocean View) - Feasibility Study					$ 75,000		
WS Total	$ 13,689	$ 306,310	$ 594,000	$ 200,000	$ 600,000	$ 110,000	$ 400,000

3. Water Distribution

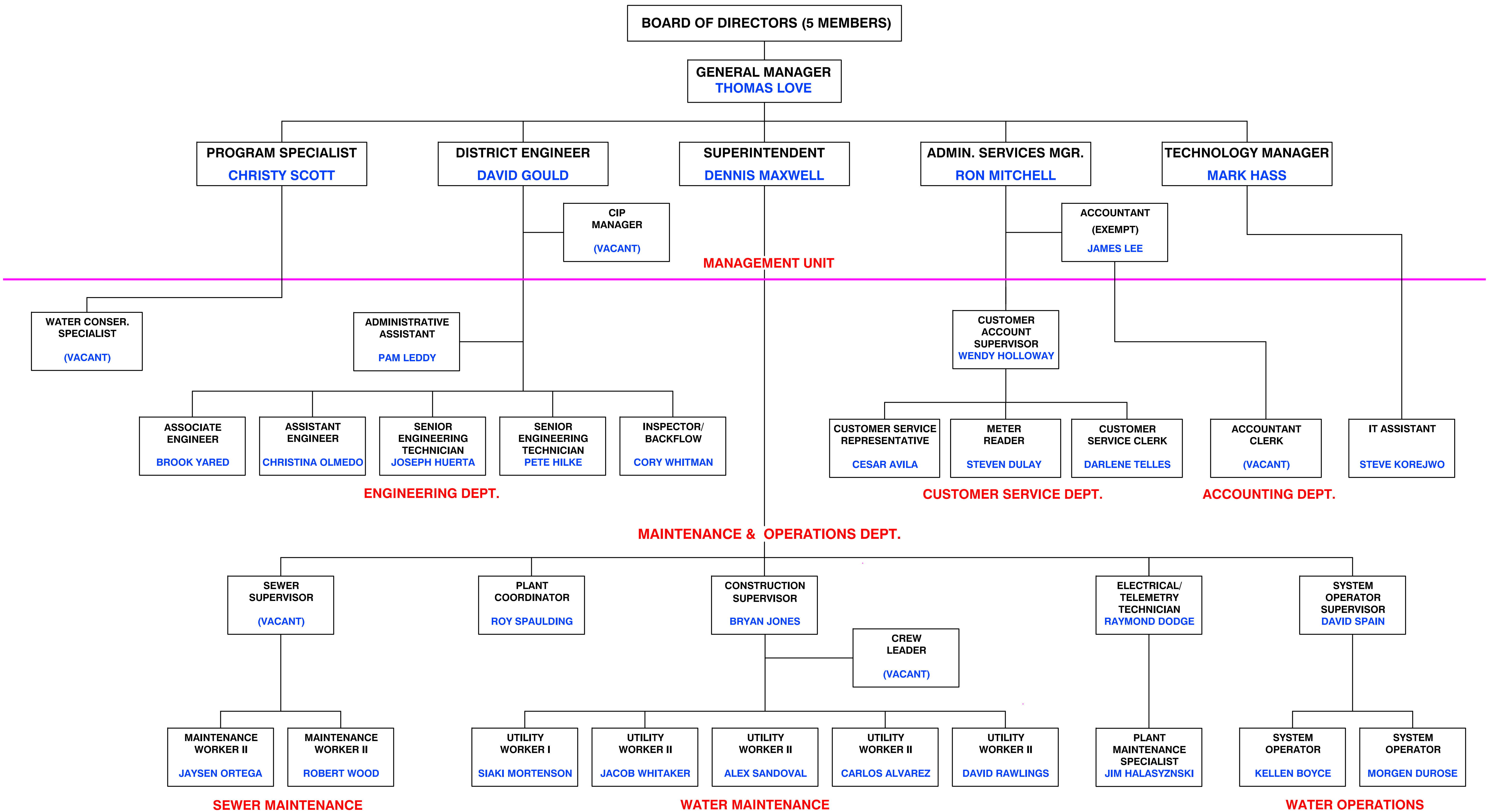
A. Pipeline Replacement							
2600 Block - Harmony Place - 450 LF	$ 47,080						
3900 Block - Park Place - 450 LF	$ 47,080						
3900 Block - Glenwood - 650 LF	$ 47,080						
2800 Block - Prospect & 4400 Block - Glenwood - 800 LF	$ 121,259						
Lower Pickens Canyon Crossing & Slope - 600 LF	$ 534,110	$ 60,000					
4200 - 4400 Block - Penn - 1,450 LF	$ 176,460	$ 215,755					
2700 Block - Brookhill - 800 LF			$ 220,000				
5100 Block of La Crescenta - 400 LF			$ 100,000				
3000 Block of Brookhill - 800 LF			$ 220,000				
3100 Block of Brookhill - 800 LF			$ 220,000				
Annual Pipeline Replacement - 3,000 LF				$1,000,000	$1,000,000	$1,000,000	$1,000,000
B. New Pipelines							
C. Booster Pump System							
i. Annual Pump /Motor Replacement							
Booster 12 at Markridge	$ 31,086						
Boosters - Encinal B & C			$ 45,000				
Boosters - Glenwood 32 & 33				$ 55,000			
Boosters - Paschall B					$ 50,000		
Boosters - Booster 26 at CH						$ 50,000	
Boosters - Ocean View B & Booster 25 at Markridge							$ 65,000

Capital Improvement Project Program FY 17-18 Budget	Recorded FY 16/17	Carryover from FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22
ii. Pump Station Upgrade							
Upgrade Paschall Booster Station				$ 75,000	$ 500,000		
Goss Canyon - New Booster Pump Station						$ 75,000	$ 500,000
iii. VFD Pump Upgrade							
iv. MCC Replacement							
MCC upgrade at Paschall				$ 75,000	$ 350,000		
MCC upgrade at Goss Canyon						$ 75,000	$ 400,000
D. Pressure Reducing Stations							
Pressure Reducing Station Preliminary Design Study					$ 25,000		
Upgrade PRS - Zone 4 to Zone 3						$ 45,000	
E. Miscellaneous Projects							
i. Water Surge Control							
Rehabilitation Surge Tank at Glenwood				$ 65,000			
ii. Street/Utility/ Meter Adjustment & Upgrade							
iii. Misc.							
Repairs to Ramsdell Mixing Station	$ 34,602	$ 51,000					
WD Total	$ 1,038,757	$ 326,755	$ 805,000	$ 1,270,000	$ 1,925,000	$ 1,245,000	$ 1,965,000
4. Water Treatment							
A. Nitrate Removal							
i. Glenwood							
Replace Ion Exchange Resin at Glenwood							$ 500,000
iii. Ordunio							
Replace Bio Remediation AroNite Media at Ordunio							$ 250,000
B. Chlorine Disinfection							
New Chlorination Station at Markridge Reservoir					$ 75,000		
Paschall & Pickens - New Chlorine Analyzer				$ 40,000			
Edmund #1 & Shields - Chlorine Analyzers						$ 40,000	
Goss Canyon #1 & #2 - Chlorine Analyzers							$ 40,000
C. Convert to Chloramines							
Conversion to Chloramination Disinfection Feasibility					$ 35,000		
F. MTBE Removal							
MTBE Removal Feasibility Study				$ 75,000			$ 85,000
WT Total	$ -	$ -	$ -	$ 115,000	$ 110,000	$ 40,000	$ 875,000

Capital Improvement Project Program FY 17-18 Budget	Recorded FY 16/17	Carryover from FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22
5. Technology							
A. Automated Meter Information (AMI) System							
Conversion of 3/4" & 1" meter				$ 325,000			
Conversion of Large Meters & Fire Services				$ 220,000			
Install & Integration of AMR & Fix Area Network				$ 495,000			
B. Supervisory Control and Data Acquisition (SCADA) System							
Wireless (Radio) Network for SCADA						$ 25,000	$ 25,000
SCADA RTU Replace - Equipment & Integration	$ 139,955	$ 60,045	$ -	$ 300,000	$ 400,000	$ 300,000	
TECH Total	$ 139,955	$ 60,045	$ -	$ 1,340,000	$ 400,000	$ 325,000	$ 25,000
6. Public Safety/Emergency Response							
A. Emergency Electrical Generators							
New Emergency Electrical Generator - Main Office					$ 75,000		
New Emergency Electrical Generator - Mills Plant							$ 150,000
B. Water Storage							
Dunsmore/Pickens - Seismic Sensors & Valve Actuators	$ 71,886	$ 25,000					
Ordunio - Seismic Sensors & Valve Actuators				$ 100,000			
Oak Creek #1 & #2 - Seismic Sensors & Valve Actuators					$ 125,000		
Encinal & Ocean View - Seismic Sensors & Valve Actuators							$ 125,000
SF/ER Total	$ 71,886	$ 25,000	$ -	$ 100,000	$ 200,000	$ -	$ 275,000
7. Facilities & Planning							
A. Main Office							
Expansion with New Roof with Solar Panels					$ 75,000		
Needs Assessment Study				$ 25,000			
B. Glenwood Plant							
Needs Assessment Study				$ 25,000			
D. Reservoir Site Improvements							
Ordunio Reservoir - North Wall	$ 68,368						
Ocean View - Site Improvements				$ 75,000	$ 200,000		
Roof for Old Encinal - Storage Bldg				$ 175,000			
Pickens - Access Road Improvements							$ 100,000
Goss Canyon - Site Improvements							$ 200,000
F & P Total	$ 68,368	$ -	$ -	$ 300,000	$ 275,000	$ -	$ 300,000
Capital Improvement Projects - Total	$ 1,853,588	$ 1,248,150	$ 2,584,300	$ 3,995,000	$ 4,805,000	$ 3,595,000	$ 5,650,000

Capital Improvement Project Program FY 17-18 Budget	Recorded FY 16/17	Carryover from FY 16/17	Budget FY 17/18	Forecast FY 18/19	Forecast FY 19/20	Forecast FY 20/21	Forecast FY 21/22
1. Water Supply	$ 520,933	$ 530,040	$ 1,185,300	$ 670,000	$ 1,295,000	$ 1,875,000	$ 1,810,000
2. Water Storage	$ 13,689	$ 306,310	$ 594,000	$ 200,000	$ 600,000	$ 110,000	$ 400,000
3. Water Distribution	$ 1,038,757	$ 326,755	$ 805,000	$ 1,270,000	$ 1,925,000	$ 1,245,000	$ 1,965,000
4. Water Treatment	$ -	$ -	$ -	$ 115,000	$ 110,000	$ 40,000	$ 875,000
5. Technology	$ 139,955	$ 60,045	$ -	$ 1,340,000	$ 400,000	$ 325,000	$ 25,000
6. Public Safety/Emergency Response	$ 71,886	$ 25,000	$ -	$ 100,000	$ 200,000	$ -	$ 275,000
7. Facilities & Planning	$ 68,368	$ -	$ -	$ 300,000	$ 275,000	$ -	$ 300,000
Capital Improvement Projects - Total	$ 1,853,588	$ 1,248,150	$ 2,584,300	$ 3,995,000	$ 4,805,000	$ 3,595,000	$ 5,650,000

CRESCENTA VALLEY WATER DISTRICT ORGANIZATION CHART



ORGANIZATION CHART - FY 17/18

DATE: 7/25/17

Table Water Budget WB - 1 Projected Water Customers - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5
Water Meter Size	**Recorded FY 2014-15**	**Recorded FY 2015-16**	Budget FY 2016-17	**Projected FY 2016-17**	**Budget FY 2017-18**	**Forecast FY 2018-19**	**Forecast FY 2019-20**	**Forecast FY 2020-21**	**Forecast FY 2021-22**
3/4 inch	**6,921**	**6,919**	6,926	**6,917**	**6,917**	6,917	6,917	6,917	6,917
1 inch	**814**	**815**	818	**854**	**894**	897	900	903	906
1-1/2 inch	**145**	**146**	147	**147**	**149**	150	151	152	153
2 inch	**64**	**64**	65	**64**	**67**	68	69	70	71
3 inch	**28**	**28**	29	**28**	**28**	28	28	28	28
4 inch	**2**	**2**	2	**2**	**2**	2	2	2	2
6 inch	**0**	**0**	0	**0**	**0**	0	0	0	0
8 inch	**0**	**0**	0	**0**	**0**	0	0	0	0
10 inch	**0**	**0**	0	**0**	**0**	0	0	0	0
Total water services	7,974	7,974	7,987	8,012	8,057	8,062	8,067	8,072	8,077
Projected No. of Account Annual Increase	5	0	13	38	45	5	5	5	5
Projected Percent of Account Annual Increase	0.06%	0.00%	0.16%	0.48%	0.56%	0.06%	0.06%	0.06%	0.06%

Table Water Budget - WB-2 Water Production and Costs - FY 17/18 - Final June 20, 2017

Description		2 Recorded FY 2014-15	1 Recorded FY 2015-16		Budget FY 2016-17	Projected FY 2016-17		1 Budget FY 2017-18		2 Forecast FY 2018-19	3 Forecast FY 2019-20	4 Forecast FY 2020-21	5 Forecast FY 2021-22
Well Production (Verdugo Basin)		2,146	1,761		1,950	1,413		1,600		1,800	1,950	2,100	2,250
Well Production (GWP)		0	169		555	356		450		505	600	600	600
Foothill MWD Purchases[4]		1,875	1,573		1,195	2,083		2,000		1,910	1,880	1,955	2,050
Total Production [1][2]		4,021	3,503		3,700	3,852		4,050		4,215	4,430	4,655	4,900
Shrinkage (percent)[3]		8%	8%		8%	8%		8%		8%	8%	8%	8%
Less Shrinkage (ac-ft)		322	280		296	308		324		337	354	372	392
Total billable consumption (sales)		3,699	3,223		3,404	3,544		3,726		3,878	4,076	4,283	4,508
FMWD Purchased Water		1,875	1,573		1,195	2,083		2,000		1,910	1,880	1,955	2,050
FMWD Unit Charge (inc. Power)			$1,076			$1,091							
FMWD Fixed Charge			$762,787			$774,611							
FMWD Effective Unit Charge ($/ac-ft)		$1,461	$1,560		$1,757	$1,462		$1,542		$1,684	$1,693	$1,736	$1,784
FMWD Cost		$ 2,742,335	$ 2,454,524		$2,099,400	$3,045,567		$3,084,100		$3,217,300	$3,182,800	$3,394,700	$3,658,000
Cost Increase/Decrease from FMWD Unit Charge		$153	$99		$196	-$98		$80		$142	$9	$43	$48
Percent FMWD Cost Increase/Decrease		11.72%	6.80%		12.59%	-6.30%		5.47%		9.23%	0.51%	2.57%	2.76%
Well Production (GWP)		0	169		555	356		450		505	600	600	600
GWP Unit Charge ($/ac-ft)		$0	$290		$417	$424		$460		$460	$462	$449	$475
GWP Cost		$ -	$ 49,036		$231,435	$151,100		$207,000		$232,300	$277,200	$269,400	$285,000

Notes:

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

Water Budget Table WB-3 Sources of Water Funds - FY 17/18 - Final June 20, 2017

Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
	2	1			1	2	3	4	5
Sources of Funds - Variable Sources									
Water Sales - Consumers	$ 6,594,471	$ 5,952,066	$ 6,953,000	$ 6,632,864	$ 7,878,000	$ 8,691,000	$ 9,682,000	$ 10,784,000	$ 12,033,000
Water Sales - Irrigation									
Water Sales - CVWD	$ 4,162,173	$ 5,952,066	$ 6,953,000	$ 6,632,864	$ 7,878,000	$ 8,691,000	$ 9,682,000	$ 10,784,000	$ 12,033,000
Water Sale - FMWD	$ 2,432,299		$ -		$ -	$ -	$ -	$ -	$ -
Interest Earned - Water	$ 91,782	$ 188,668	$ 107,000	$ 143,259	$ 105,000	$ 84,000	$ 78,000	$ 80,000	$ 81,000
Gain/Loss on Sale of Investments	$ 94,125	$ 83,806	$ 56,000	$ 36,875	$ 60,000	$ 53,000	$ 50,000	$ 52,000	$ 56,000
Fair Value Adjustment	$ (122,475)	$ 362,379	$ -		$ -	$ -	$ -	$ -	$ -
Interest Earned - MTBE Reserve Fund	$ 103,498		$ 77,000	$ 115,000	$ 76,000	$ 78,000	$ 80,000	$ 82,000	$ 84,000
Gain/Loss on Sale of Assets *(deleted)*	$ -								
Subtotal variable sources	$ 6,761,401	$ 6,586,919	$ 7,193,000	$ 6,927,998	$ 8,119,000	$ 8,906,000	$ 9,890,000	$ 10,998,000	$ 12,254,000
Sources of Funds - Stable Sources									
Water Sales - Service Charge	$ 1,828,481	$ 1,949,220	$ 2,247,000	$ 2,246,625	$ 2,650,000	$ 2,813,000	$ 2,985,000	$ 3,168,000	$ 3,362,000
Fire Service Meter Charge	$ 33,300	$ 36,773	$ 38,000	$ 58,379	$ 40,000	$ 43,000	$ 46,000	$ 46,000	$ 49,000
Late Fees/Fire Hydrant Flow/Backflow Tests	$ 71,455	$ 62,897	$ 80,000	$ 65,374	$ 68,374	$ 71,374	$ 74,374	$ 77,374	$ 80,374
Other Income - Water	$ -	$ 54,024	$ 5,000	$ 45,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Rental Property Income	$ 22,200	$ 21,263	$ 23,000	$ 22,590	$ 23,000	$ 23,000	$ 23,000	$ 26,000	$ 26,000
Subtotal - Stable Sources	$ 1,955,436	$ 2,124,176	$ 2,393,000	$ 2,437,968	$ 2,786,374	$ 2,955,374	$ 3,133,374	$ 3,322,374	$ 3,522,374
Sources of Funds - CIP Sources									
Water Systems Connect Fee	$ 40,212	$ 36,551	$ 45,000	$ 202,500	$ 45,000	$ 50,000	$ 55,000	$ 60,000	$ 60,000
Meter Installation/Hydrant Charges	$ 148,150	$ 40,690	$ 30,000	$ 43,440	$ 43,440	$ 60,000	$ 70,000	$ 80,000	$ 90,000
Grant Revenue	$ 49,273	$ 574,983	$ 1,150,250	$ 560,300	$ 1,013,000	$ 620,475	$ 285,300	$ 250,000	$ 250,000
Glendale Capital Contribution (GWP)		$ 214,346		$ -	$ -				
Gain/Loss on Sale of Assets	$ 664	$ 5,401	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest Earned - COP Bonds (not included in subtotal or total)	$ 162	$ 222	$ 200	$ 841	$ 841	$ -	$ -	$ -	$ -
Subtotal CIP Sources	$ 238,461	$ 872,193	$ 1,225,450	$ 807,081	$ 1,102,281	$ 730,475	$ 410,300	$ 390,000	$ 400,000
TOTAL SOURCE OF FUNDS	$ 8,955,298	$ 9,583,288	$ 10,811,450	$ 10,173,047	$ 12,007,655	$ 12,591,849	$ 13,433,674	$ 14,710,374	$ 16,176,374

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft Final June 20, 2017

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
EXPENSE									
COMPENSATION AND BENEFITS									
Director Fees	$ 9,225	$ 8,370	*$ 9,000*	$ 8,000	$ 9,000	$ 9,000	$ 9,000	$ 9,000	$ 9,000
Compensation									
Officer Salaries	$ 150,010	$ 163,897	*$ 170,000*	$ 178,114	$ 175,000	$ 178,000	$ 181,000	$ 184,000	$ 187,000
Administrative Services Labor	$ 332,408	$ 349,000	*$ 366,000*	$ 354,040	$ 365,000	$ 373,000	$ 381,000	$ 389,000	$ 397,000
Administrative Services Labor - OT	$ 3,209	$ 3,493	*$ 3,000*	$ 4,271	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000
Engineering Department Labor	$ 291,255	$ 279,073	*$ 298,000*	$ 331,450	$ 330,000	$ 301,000	$ 308,000	$ 313,000	$ 317,000
Engineering Department Labor-OT	$ 2,627	$ 6,039	*$ 4,000*	$ 2,958	$ 4,000	$ 4,000	$ 4,000	$ 5,000	$ 5,000
Plant - Office Labor	$ 202,521	$ 135,448	*$ 221,000*	$ 198,546	$ 203,600	$ 223,000	$ 225,000	$ 228,000	$ 243,000
Plant - Office Labor-OT	$ 352	$ 271	*$ -*	$ 705	$ -	$ -	$ -	$ -	$ -
System Operators Labor	$ 274,129	$ 282,916	*$ 298,000*	$ 310,418	$ 315,000	$ 301,000	$ 304,000	$ 307,000	$ 310,000
System Operators Labor-OT	$ 24,973	$ 16,649	*$ 22,000*	$ 11,607	$ 15,000	$ 22,000	$ 22,000	$ 23,000	$ 23,000
Utility Workers Labor	$ 325,943	$ 346,303	*$ 345,000*	$ 357,081	$ 368,000	$ 356,000	$ 364,000	$ 374,000	$ 398,000
Utility Workers Labor-OT	$ 51,582	$ 38,487	*$ 52,000*	$ 40,129	$ 52,000	$ 52,000	$ 52,000	$ 53,000	$ 54,000
Standby Pay	$ 41,038	$ 43,125	*$ 43,000*	$ 44,729	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000
Auto Allowance	$ 9,075	$ 10,200	*$ 10,000*	$ 10,200	$ 10,200	$ 10,200	$ 10,200	$ 10,200	$ 10,200
Compensation Total	$ 1,718,347	$ 1,683,271	*$ 1,841,000*	$ 1,852,247	$ 1,895,800	$ 1,878,200	$ 1,909,200	$ 1,944,200	$ 2,002,200
Sick and Vacation - Office	$ 133,363	$ 101,616	*$ 112,000*	$ 129,353	$ 112,500	$ 114,000	$ 116,000	$ 118,000	$ 120,000
Sick and Vacation - Plant	$ 88,909	$ 67,744	*$ 74,000*	$ 86,236	$ 75,000	$ 76,000	$ 78,000	$ 80,000	$ 82,000
Taxes - Payroll (Total Employees)	$ 130,866	$ 130,768	*$ 139,000*	$ 134,020	$ 138,000	$ 140,000	$ 142,000	$ 144,000	$ 146,000
PERS Retirement (Total Employees)	$ 274,681	$ 275,500	*$ 315,000*	$ 300,157	$ 342,000	$ 342,000	$ 367,000	$ 392,000	$ 404,000
Workers' Compensation - Office	$ 13,221	$ 19,387	*$ 21,000*	$ 21,170	$ 18,000	$ 16,500	$ 16,000	$ 13,000	$ 13,000
Workers' Compensation - Plant	$ 56,460	$ 79,614	*$ 90,000*	$ 84,224	$ 73,000	$ 72,000	$ 71,000	$ 57,000	$ 58,000
Health and Dental and Vision - Office	$ 136,220	$ 129,880	*$ 128,000*	$ 134,600	$ 140,000	$ 141,000	$ 142,000	$ 143,000	$ 144,000
Life & Disability Insurance - Office & Plant	$ 9,497	$ 9,959	*$ 10,000*	$ 9,972	$ 10,000	$ 10,000	$ 10,000	$ 11,000	$ 12,000
Health and Dental and Vision - Plant	$ 140,649	$ 132,772	*$ 140,000*	$ 132,098	$ 147,000	$ 148,000	$ 149,000	$ 150,000	$ 151,000
Self Insurance	$ 9,301	$ 7,468	*$ 13,000*	$ 10,000	$ 13,000	$ 13,000	$ 13,000	$ 13,000	$ 13,000
Retiree - Health Care Expense	$ 74,635	$ 70,387	*$ 74,000*	$ 75,000	$ 84,000	$ 85,000	$ 86,000	$ 87,000	$ 88,000
Benefits Total	$ 1,067,802	$ 1,025,201	*$ 1,116,000*	$ 1,116,831	$ 1,152,500	$ 1,157,500	$ 1,190,000	$ 1,208,000	$ 1,231,000
TOTAL COMPENSATION AND BENEFITS	$ 2,786,149	$ 2,708,472	*$ 2,957,000*	$ 2,969,077	$ 3,048,300	$ 3,035,700	$ 3,099,200	$ 3,152,200	$ 3,233,200
PLANT - WATER OPERATION									
Utilities									
Taxes - Property	$ 12,302	$ 12,502	*$ 13,300*	$ 12,767	$ 13,300	$ 13,500	$ 13,700	$ 13,900	$ 14,100
Glenwood - Plant Maintenance	$ 35,332	$ 17,036	*$ 23,000*	$ 22,433	$ 23,000	$ 23,500	$ 24,000	$ 24,500	$ 25,000
Glenwood - Landscape	$ 5,460	$ 4,950	*$ 5,500*	$ 6,832	$ 7,500	$ 7,500	$ 7,500	$ 7,500	$ 7,500
Office Supplies & Misc Expenses - Plant	$ 9,369	$ 7,784	*$ 7,000*	$ 13,728	$ 7,000	$ 7,500	$ 8,000	$ 8,000	$ 8,000
Glenwood - Utilities	$ 17,368	$ 12,119	*$ 16,000*	$ 12,360	$ 16,000	$ 17,000	$ 18,000	$ 19,000	$ 20,000
Training - Plant	$ 6,307	$ 6,731	*$ 7,000*	$ 4,848	$ 7,000	$ 7,500	$ 8,000	$ 8,500	$ 8,700
Education Reimbursement/Certifications	$ 3,707	$ 5,532	*$ 4,000*	$ 2,911	$ 4,000	$ 4,000	$ 5,000	$ 5,000	$ 5,000
Glenwood - Safety and Security System	$ 16,888	$ 21,511	*$ 17,000*	$ 28,002	$ 20,000	$ 20,500	$ 21,000	$ 21,500	$ 22,000
Glenwood - Uniforms	$ 9,865	$ 11,264	*$ 9,000*	$ 10,594	$ 9,500	$ 10,000	$ 10,500	$ 11,000	$ 11,500
Permit & Assessment Fees	$ 1,230	$ 1,973	*$ 1,500*	$ 2,006	$ 1,500	$ 2,000	$ 2,000	$ 2,000	$ 2,000
Tools and Equipment Maintenance	$ 14,961	$ 14,125	*$ 16,000*	$ 13,963	$ 16,000	$ 17,000	$ 18,000	$ 19,000	$ 20,000
Nitrate Plant Maintenance	$ 49,440	$ 60,134	*$ 70,000*	$ 68,818	$ 70,000	$ 75,000	$ 77,000	$ 79,000	$ 81,000
Inventory Disposal		$ 1,276		$ 185					
SCADA - Telemetering & Signal	$ 7,687	$ 3,619	*$ 10,000*	$ 2,892	$ 10,000	$ 12,000	$ 13,000	$ 14,000	$ 15,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft Final June 20, 2017

Description	2	1			1	2	3	4	5
	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
SCADA Hardware	$ 11,182	$ 1,832	$ 6,000	$ 1,732	$ 6,000	$ 8,000	$ 9,000	$ 10,000	$ 11,000
SCADA Software	$ -	$ 16,522	$ 13,000	$ -	$ 13,000	$ 13,000	$ 13,000	$ 13,000	$ 13,000
SCADA - Communications	$ 1,431	$ 1,505	$ 2,500	$ 1,324	$ 2,500	$ 3,000	$ 3,500	$ 4,000	$ 4,500
Lab & Sampling	$ 93,575	$ 51,649	$ 65,000	$ 76,998	$ 90,000	$ 140,000	$ 69,000	$ 71,000	$ 73,000
Chlorine & Treatment	$ 72,859	$ 66,968	$ 71,000	$ 55,415	$ 65,000	$ 67,000	$ 69,000	$ 78,000	$ 80,000
TOTAL PLANT WATER OPERATION	$ 421,450	$ 326,987	$ 356,800	$ 337,806	$ 381,300	$ 448,000	$ 389,200	$ 408,900	$ 421,300
DISTRIBUTION SYSTEM EXPENSES									
Backflow Expense	$ 331	$ 460	$ 500	$ 635	$ 500	$ 500	$ 500	$ 500	$ 500
Pipelines - Maintenance	$ 55,643	$ 28,705	$ 51,000	$ 23,164	$ 52,000	$ 53,000	$ 54,000	$ 55,000	$ 56,000
Pipelines - Paving	$ 19,030	$ 22,074	$ 20,000	$ 17,638	$ 20,000	$ 21,000	$ 22,000	$ 23,000	$ 24,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	$ 9,939	$ 17,298	$ 13,000	$ 11,290	$ 14,000	$ 15,000	$ 16,000	$ 17,000	$ 18,000
Pipelines - Leak Detection/Leak Repair	$ 550	$ 2,673	$ 25,000	$ 1,310	$ 25,000	$ 5,000	$ 5,000	$ 5,000	$ 6,000
Pipelines - Trench Plate Rentals	$ 4,373	$ 2,008	$ 2,500	$ 492	$ 2,500	$ 2,500	$ 2,500	$ 2,500	$ 2,000
Pipelines - Water Sampling Stations	$ 1,252	$ -	$ 500	$ 38	$ 500	$ 500	$ 500	$ 500	$ 500
Pipelines - Valves	$ -	$ 1,750	$ 4,000	$ -	$ 5,000	$ 6,000	$ 7,000	$ 8,000	$ 9,000
Reservoir - Maintenance	$ 73,564	$ 58,220	$ 80,000	$ 71,669	$ 83,000	$ 86,000	$ 89,000	$ 92,000	$ 95,000
Reservoir - Landscape	$ 14,752	$ 25,600	$ 17,000	$ 9,780	$ 30,000	$ 31,000	$ 32,000	$ 33,000	$ 34,000
Meters - Maintenance	$ 265,372	$ 277,558	$ 250,000	$ 169,691	$ 250,000	$ 225,000	$ 185,000	$ 185,000	$ 185,000
Meters - Paving	$ 186,142	$ 254,427	$ 230,000	$ 158,605	$ 230,000	$ 230,000	$ 235,000	$ 240,000	$ 240,000
Meters - Repair/Replacement/Upgrade	$ 4,823	$ 731	$ 10,000	$ 596	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
Meters - Lateral Leaks	$ 58,875	$ 45,285	$ 76,000	$ 36,952	$ 65,000	$ 65,000	$ 66,000	$ 67,000	$ 68,000
Meters - Trench Plate Rentals	$ 3,420	$ 1,855	$ 2,000	$ 8,476	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
Meters - D-jobs	$ 101,219	$ 12,286	$ 8,000	$ 29,881	$ 8,000	$ 8,000	$ 9,000	$ 9,000	$ 10,000
Wells - Maintenance	$ 54,389	$ 5,688	$ 45,000	$ 65,198	$ 45,000	$ 48,000	$ 51,000	$ 54,000	$ 57,000
Wells - Landscape	$ 3,360	$ 7,832	$ 5,000	$ 2,760	$ 5,000	$ 5,000	$ 6,000	$ 6,000	$ 6,000
Wells - Rent	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300
GWP - Land Lease		$ 15,036		$ 15,000	$ 15,726	$ 16,000	$ 16,000	$ 16,000	$ 16,000
Booster Pump - Maintenance	$ 18,453	$ 54,365	$ 57,000	$ 85,139	$ 62,000	$ 67,000	$ 72,000	$ 77,000	$ 82,000
Emergency Generators	$ 21,348	$ 15,154	$ 22,500	$ 12,537	$ 22,500	$ 23,000	$ 23,500	$ 24,000	$ 24,500
Auto/Truck - Maintenance	$ 72,212	$ 68,051	$ 55,000	$ 64,716	$ 70,000	$ 72,000	$ 74,000	$ 76,000	$ 77,000
Auto/Truck - Gas	$ 21,008	$ 14,955	$ 20,000	$ 15,154	$ 20,000	$ 20,500	$ 21,000	$ 21,500	$ 22,000
Auto/Truck - Diesel	$ 18,566	$ 15,055	$ 18,000	$ 13,381	$ 18,500	$ 19,000	$ 19,500	$ 20,000	$ 20,500
TOTAL DISTRIBUTION SYSTEM EXPENSES	$ 1,008,921	$ 947,366	$ 1,012,300	$ 814,401	$ 1,064,526	$ 1,039,300	$ 1,026,800	$ 1,052,300	$ 1,073,300
GENERAL AND ADMINISTRATIVE EXPENSES		-							
General Liability Insurance	$ 44,131	$ 50,444	$ 56,000	$ 52,849	$ 53,000	$ 56,000	$ 59,000	$ 62,000	$ 65,000
Accounting - Audit	$ 11,515	$ 10,940	$ 13,000	$ 13,000	$ 11,000	$ 11,000	$ 12,000	$ 12,500	$ 13,000
Legal Consulting Fees	$ 85,614	$ 75,684	$ 47,000	$ 52,516	$ 49,000	$ 51,000	$ 53,000	$ 55,000	$ 57,000
Administrative Consultants	$ 73,932	$ 81,820	$ 130,000	$ 53,256	$ 161,500	$ 150,000	$ 150,000	$ 150,000	$ 150,000
Office Maintenance	$ 9,652	$ 9,263	$ 12,000	$ 11,874	$ 12,000	$ 12,000	$ 13,000	$ 14,000	$ 15,000
Landscape Maintenance - Office	$ 6,631	$ 4,541	$ 7,500	$ 5,156	$ 7,500	$ 8,000	$ 8,500	$ 9,000	$ 9,500
Office Supplies & Misc Expenses - Office	$ 5,041	$ 5,287	$ 5,500	$ 4,097	$ 5,500	$ 6,000	$ 6,000	$ 6,000	$ 6,500
Computers & Network *(previously Computer Hardware)*	$ 24,719	$ 23,480	$ 25,000	$ 25,000	$ 25,000	$ 26,000	$ 27,000	$ 28,000	$ 29,000
Computer Software, Maintenance, Licenses	$ 19,353	$ 65,578	$ 50,000	$ 50,000	$ 53,000	$ 53,000	$ 54,000	$ 55,000	$ 56,000
Utilities - Office	$ 19,978	$ 21,381	$ 21,000	$ 18,220	$ 21,000	$ 21,500	$ 22,000	$ 22,500	$ 23,000
Enterprise Voice Communications	$ 25,463	$ 40,395	$ 40,000	$ 42,916	$ 40,000	$ 41,000	$ 42,000	$ 43,000	$ 44,000
Data Communications - Fiber Lines/Internet	$ -	$ 47,963	$ 49,000	$ 50,358	$ 49,000	$ 50,000	$ 51,000	$ 52,000	$ 53,000
Wireless Voice & Data Communications-cell	$ 5,670	$ 13,802	$ 14,000	$ 15,252	$ 14,000	$ 15,000	$ 15,500	$ 16,000	$ 16,500

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 17/18 - Draft Final June 20, 2017

		2	1			1	2	3	4	5
Description		Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Printing, Postage, Stationery, Copier Maint.		$ 43,423	$ 40,413	*$ 37,500*	$ 35,168	$ 36,000	$ 36,500	$ 37,000	$ 38,000	$ 39,000
Uncollectible Accounts-Water		$ 9,312	$ 4,503	*$ 3,500*	$ 2,749	$ 4,000	$ 3,500	$ 3,500	$ 3,500	$ 3,500
Water System Fees (DHS, RWQCB, LAFCO, Misc)		$ 46,503	$ 49,690	*$ 50,000*	$ 68,036	$ 50,000	$ 51,000	$ 52,000	$ 53,000	$ 54,000
Engineering Department		$ 10,660	$ 10,012	*$ 11,000*	$ 10,129	$ 11,000	$ 12,000	$ 13,000	$ 14,000	$ 15,000
Water Conservation		$ 22,848	$ 31,855	*$ 30,000*	$ 20,992	$ 30,000	$ 31,000	$ 32,000	$ 33,000	$ 34,000
Pipeline/Advertising - Water Conservation		$ 1,309	$ 2,733	*$ 2,500*	$ 3,528	$ 2,500	$ 2,500	$ 2,500	$ 2,500	$ 2,500
Device Rebates - Water Conservation		$ 3,775	$ 1,820	*$ 5,000*	$ 354	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Community Outreach		$ 534	$ 7,745	*$ 12,000*	$ 2,964	$ 12,000	$ 12,000	$ 12,000	$ 12,000	$ 12,000
Training - Office		$ 3,271	$ 3,189	*$ 3,500*	$ 2,477	$ 4,000	$ 4,500	$ 5,000	$ 5,500	$ 6,000
Conferences and Seminars - Office		$ 7,518	$ 7,377	*$ 9,000*	$ 8,405	$ 8,500	$ 9,500	$ 10,500	$ 11,500	$ 12,500
Board of Directors - Conferences and Seminars		$ 2,265	$ 7,179	*$ 5,000*	$ 2,144	$ 5,000	$ 5,000	$ 5,500	$ 6,000	$ 6,500
Misc Administration - Office		$ 5,292	$ 3,662	*$ 5,000*	$ 5,514	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Board of Directors - Misc Administration		$ 1,758	$ 1,158	*$ 2,000*	$ 2,123	$ 2,000	$ 2,000	$ 2,000	$ 2,000	$ 2,000
Membership Renewals/Subscriptions		$ 22,893	$ 19,708	*$ 22,000*	$ 22,883	$ 23,000	$ 24,000	$ 25,000	$ 26,000	$ 27,000
Bank Charges		$ 14,971	$ 20,271	*$ 21,500*	$ 22,249	$ 23,000	$ 24,000	$ 25,000	$ 26,000	$ 27,000
Rental Property		$ 2,314	$ 1,689	*$ 2,500*	$ 10,000	$ 3,500	$ 3,500	$ 3,500	$ 3,500	$ 3,500
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES		$ 667,780	$ 697,387	*$ 692,000*	$ 614,209	$ 726,000	$ 776,500	$ 751,500	$ 821,500	$ 792,000
Emergency Operations		$ -	$ 276	*$ 2,000*	$ -	$ 2,000	$ 2,000	$ 3,000	$ 3,000	$ 3,000
EMERGENCY OPERATIONS		$ -	$ 276	*$ 2,000*	$ -	$ 2,000	$ 2,000	$ 3,000	$ 3,000	$ 3,000
TOTAL EXPENSE	3711608	$ 4,884,300	$ 4,680,487	*$ 5,020,100*	$ 4,735,493	$ 5,222,126	$ 5,301,500	$ 5,269,700	$ 5,437,900	$ 5,522,800
Total O & M Expense (w/o Labor & Benefits)		$ 2,098,151	$ 1,972,016	*$ 2,063,100*	$ 1,766,416	$ 2,173,826	$ 2,265,800	$ 2,170,500	$ 2,285,700	$ 2,289,600

Water Budget Table WB-5 Water - Purchase Water & Power - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5
Description	**Recorded FY 2014-15**	**Recorded FY 2015-16**	*Budget FY 2016-17*	**Projected FY 2016-17**	**Budget FY 2017-18**	**Forecast FY 2018-19**	**Forecast FY 2019-20**	**Forecast FY 2020-21**	**Forecast FY 2021-22**
Purchased Water - FWMD (ac-ft)	1,875	1,573	*1,195*	2,083	2,000	1,910	1,880	1,955	2,050
Projected FMWD Cost	$ 2,741,033	$ 2,454,591	*$ 2,099,400*	$ 3,045,567	$ 3,084,100	$ 3,217,300	$ 3,182,800	$ 3,394,700	$ 3,658,000
Purchased Water - GWP (ac-ft)	0	169	*555*	356	450	505	600	600	600
Projected GWP Cost	$ -	$ 49,036	*$ 231,435*	$ 151,100	$ 207,000	$ 232,300	$ 277,200	$ 269,400	$ 285,000
Purchased Power Cost	$ 682,044	$ 673,699	*$ 695,000*	$ 695,400	$ 697,000	$ 718,000	$ 739,000	$ 762,000	$ 781,000
SCE	*$ 296,387*	*$ 268,287*	*$ 265,000*	*$ 258,600*	*$ 267,000*	*$ 275,010*	*$ 283,260*	*$ 291,758*	*$ 299,052*
Glendale	*$ 388,734*	*$ 405,648*	*$ 430,000*	*$ 436,800*	*$ 430,000*	*$ 442,900*	*$ 456,187*	*$ 469,873*	*$ 481,619*
Constellation Credit	$ (3,077)	$ (235)	*$ (500)*	$ (852)	$ -	$ -	$ -	$ -	$ -
% Increase/Decrease - Import Water Cost	-13.0%	-10.5%	*-13.0%*	21.6%	1.3%	4.3%	-1.1%	6.7%	7.8%
% Increase/Decrease - Power Cost	1.4%	-1.2%	*3.1%*	3.2%	0.2%	3.0%	3.0%	3.0%	2.5%
Power cost/ac-ft	$170	$192	*$188*	$181	$172	$170	$167	$164	$159

Water Budget Table WB - 6 Water Capital Outlay & Equipment - FY 17/18 - Final June 20, 2017

Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
	2	1			1	2	3	4	5
Spring Brook Software - Fixed Assets			$ 11,250		$ 11,250				
Spring Brook Software - Payroll Module						$ 18,750			
Spring Brook Software - Work Order Module							$ 26,250		
Spring Brook Software - Project Management Module								$ 15,000	
Spring Brook Software - Extend Budget Module									$ 15,000
Software (Document/Billing Process Design)									
Upgrade SCADA Equipment (SCADA 1A & 1B)									
Upgrade Computer Hardware & Security			$ 30,000	$ 7,500	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 20,000
Main Office - Master Plan			$ 15,000		$ 15,000				
Main Office - Upgrades			$ 20,000			$ -	$ -	$ 15,000	$ 15,000
Misc.			$ 3,750		$ 3,750	$ 6,250	$ 4,750	$ 5,000	$ 5,000
CO Total	$ -	$ -	$ 80,000	$ 7,500	$ 60,000	$ 55,000	$ 61,000	$ 65,000	$ 55,000
Capital - Equipment									
Water Quality - 5 Chlorine Analyzers									
Pipe Tool	$ 7,721								
Portable Light Tower				$ 8,077					
Vehicle Replacement - Unit 5									
Vehicle Replacement - Unit 7									
Vehicle Replacement - Unit 12									
Vehicle Replacement - Unit 46	$ 90,546								
Vehicle Replacement - Unit 47	$ 51,975								
Vehicle Replacement - Unit 48		$ 26,180							
Vehicle Replacement - Unit 1			$ 30,000	$ 29,600					
Vehicle Replacement - Komatsu					$ 60,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000
CE Total	$ 150,242	$ 26,180	$ 30,000	$ 37,677	$ 60,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000
CO & CE - Total	$ 150,242	$ 26,180	$ 110,000	$ 45,177	$ 120,000	$ 130,000	$ 136,000	$ 140,000	$ 130,000

Water Budget Table WB -7 Water - Capital Improvement Projects - FY 17/18 - Final June 20, 2017

Description	Recorded FY 2014-15 (2)	Recorded FY 2015-16 (1)	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18 (1)	Forecast FY 2018-19 (2)	Forecast FY 2019-20 (3)	Forecast FY 2020-21 (4)	Forecast FY 2021-22 (5)
Water Supply	$ 545,588	$ 1,644,306	$ 840,000	$ 660,000	$ 1,425,000	$ 805,000	$ 600,000	$ 500,000	$ 500,000
Water Storage	$ 172,335		$ 320,000	$ -	$ 900,000	$ 320,000	$ 400,000	$ 400,000	$ 400,000
Water Distribution	$ 1,143,405	$ 819,708	$ 1,365,000	$ 1,327,900	$ 950,000	$ 1,395,000	$ 1,245,000	$ 1,350,000	$ 1,550,000
Water Treatment	$ -	$ 380,203	$ -	$ -	$ -	$ -	$ 50,000	$ 75,000	$ 75,000
Technology	$ 25,524	$ 96,879	$ 200,000	$ 200,000	$ -	$ 30,000	$ 200,000	$ 450,000	$ 380,000
Public Safety/Emergency Response	$ 93,754		$ 75,000	$ 82,500	$ -	$ 75,000	$ 75,000	$ -	$ -
Facilities & Planning	$ -		$ -	$ 65,000	$ -	$ -	$ -	$ 125,000	$ 275,000
Total CIP	$ 1,980,606	$ 2,941,096	$ 2,800,000	$ 2,335,400	$ 3,275,000	$ 2,625,000	$ 2,570,000	$ 2,900,000	$ 3,180,000

Water Budget Table WB - 8 Water Reserve Targets - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5
Description	**Recorded FY 2014-15**	**Recorded FY 2015-16**	*Budget FY 2016-17*	***Projected FY 2016-17***	**Budget FY 2017-18**	**Forecast FY 2018-19**	**Forecast FY 2019-20**	**Forecast FY 2020-21**	**Forecast FY 2021-22**
Rate stabilization (a)	***$ 1,649,000***	***$ 1,488,000***	*$ 1,565,000*	***$ 1,658,000***	**$ 1,970,000**	**$ 2,173,000**	**$ 2,421,000**	**$ 2,696,000**	**$ 3,008,000**
Emergency fund (b)	**$ 750,000**	**$ 750,000**	*$ 750,000*	***$ 750,000***	**$ 750,000**	**$ 750,000**	**$ 750,000**	**$ 750,000**	**$ 750,000**
Labor & benefits	*$ 2,786,149*	*$ 2,708,472*	*$ 2,957,000*	***$ 2,969,077***	*$ 3,048,300*	*$ 3,035,700*	*$ 3,099,200*	*$ 3,152,200*	*$ 3,233,200*
Power	*$ 682,044*	*$ 673,699*	*$ 695,000*	***$ 695,400***	*$ 697,000*	*$ 718,000*	*$ 739,000*	*$ 762,000*	*$ 781,000*
Operating expenses	*$ 2,098,151*	*$ 1,972,016*	*$ 2,072,600*	***$ 1,766,416***	*$ 2,173,826*	*$ 2,265,800*	*$ 2,170,500*	*$ 2,285,700*	*$ 2,289,600*
O & M Costs	*$ 5,566,344*	*$ 5,354,187*	*$ 5,724,600*	***$ 5,430,893***	*$ 5,919,126*	*$ 6,019,500*	*$ 6,008,700*	*$ 6,199,900*	*$ 6,303,800*
Working cash (c)	**$ 927,724**	**$ 892,364**	*$ 954,100*	***$ 905,149***	**$ 986,521**	**$ 1,003,250**	**$ 1,001,450**	**$ 1,033,317**	**$ 1,050,633**
Total target cash reserves	**$ 3,327,000**	**$ 3,130,000**	*$ 3,269,000*	***$ 3,313,000***	**$ 3,707,000**	**$ 3,926,000**	**$ 4,172,000**	**$ 4,479,000**	**$ 4,809,000**

Note:

a. Rate stabilization reserves are based on 25 percent of total water commodity sales

b. Emergency reserves equal $750,000.

c. Working cash is based on two months of O&M less purchased water

Water Budget Table WB-9 - Total Sources - FY 17/18 - Final June 20, 2017

	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
REVENUE								
Service Readiness Charge Revenue	$ 1,949,220	$ 2,247,000	$ 2,246,625	$ 2,650,000	$ 2,813,000	$ 2,985,000	$ 3,168,000	$ 3,362,000
Metered sales of water (CVWD Costs)	$ 5,952,066	$ 6,953,000	$ 6,632,864	$ 7,878,000	$ 8,691,000	$ 9,682,000	$ 10,784,000	$ 12,033,000
Required metered sales of water (FMWD Costs)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest Income - Water Reserves	$ 188,668	$ 163,000	$ 180,134	$ 165,000	$ 137,000	$ 128,000	$ 132,000	$ 137,000
Interest Income - MTBE Reserves	$ -	$ 77,000	$ 115,000	$ 76,000	$ 78,000	$ 80,000	$ 82,000	$ 84,000
Source of Funds - Other Sources	$ 258,763	$ 146,000	$ 236,342	$ 136,374	$ 147,374	$ 153,374	$ 159,374	$ 165,374
Sources of Funds - CIP Sources	$ 872,193	$ 1,225,450	$ 807,081	$ 1,102,281	$ 730,475	$ 410,300	$ 390,000	$ 400,000
TOTAL REVENUE	$ 9,220,909	$ 10,811,450	$ 10,218,047	$ 12,007,655	$ 12,596,849	$ 13,438,674	$ 14,715,374	$ 16,181,374
OPERATIONS & MAINTENANCE (O & M) EXPENSE								
Labor & Benefits	$ 2,708,472	$ 2,957,000	$ 2,969,077	$ 3,048,300	$ 3,035,700	$ 3,099,200	$ 3,152,200	$ 3,233,200
Purchased Water (FMWD)	$ 2,454,591	$ 2,099,000	$ 3,045,567	$ 3,084,000	$ 3,217,000	$ 3,183,000	$ 3,395,000	$ 3,658,000
Purchased Water (GWP)	$ -	$ 231,000	$ 151,100	$ 207,000	$ 232,000	$ 277,000	$ 269,000	$ 285,000
Power	$ 673,699	$ 695,000	$ 695,400	$ 697,000	$ 718,000	$ 739,000	$ 762,000	$ 781,000
Operating expenses	$ 1,972,016	$ 2,063,100	$ 1,766,416	$ 2,173,826	$ 2,265,800	$ 2,170,500	$ 2,285,700	$ 2,289,600
Total O & M Expense	$ 7,808,777	$ 8,045,100	$ 8,627,560	$ 9,210,126	$ 9,468,500	$ 9,468,700	$ 9,863,900	$ 10,246,800
Debt Service (principal & interest)	$ 613,022	$ 614,000	$ 614,038	$ 613,838	$ 613,238	$ 612,238	$ 615,481	$ 613,106
Total O & M Expense + Debt Service	$ 8,421,799	$ 8,659,100	$ 9,241,597	$ 9,823,964	$ 10,081,738	$ 10,080,938	$ 10,479,381	$ 10,859,906
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	$ 799,110	$ 2,152,350	$ 976,450	$ 2,183,691	$ 2,515,111	$ 3,357,736	$ 4,235,992	$ 5,321,467
CAPITAL OUTLAY, LIABILITIES and CAPITAL PROJECTS								
Capital Outlay & Equipment	$ 26,180	$ 110,000	$ 45,177	$ 120,000	$ 130,000	$ 136,000	$ 140,000	$ 130,000
Re-Payment to MTBE Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ 750,000	$ 750,000
Future Liability (OPEB)	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000
Capital Improvements (pay-as-you-go)	$ 2,941,000	$ 2,800,000	$ 2,335,400	$ 3,275,000	$ 2,625,000	$ 2,570,000	$ 2,900,000	$ 3,180,000
Total - Capital Outlay, CIP, CIP Fund & Future Liability	$ 3,127,547	$ 3,010,000	$ 2,480,577	$ 3,495,000	$ 2,855,000	$ 2,806,000	$ 3,890,000	$ 4,160,000
INCREASE (DECREASE) TO CASH	$ (2,328,437)	$ (857,650)	$ (1,504,127)	$ (1,311,309)	$ (339,889)	$ 551,736	$ 345,992	$ 1,161,467
FY begin available Water Reserves	$ 4,048,384	$ 3,719,947	$ 3,719,947	$ 3,215,820	$ 1,904,511	$ 1,564,622	$ 2,116,358	$ 2,462,350
Transfer In from MTBE Reserves	$ 2,000,000	$ 1,000,000	$ 1,000,000					
FY End Water Reserves	$ 3,719,947	$ 3,862,298	$ 3,215,820	$ 1,904,511	$ 1,564,622	$ 2,116,358	$ 2,462,350	$ 3,623,818
Reconciliation		$ -	$ -	$ -	$ -	$ -	$ -	$ -
FY End Water Reserves	$ 3,719,947	$ 3,862,298	$ 3,215,820	$ 1,904,511	$ 1,564,622	$ 2,116,358	$ 2,462,350	$ 3,623,818
TOTAL TARGET WATER CASH RESERVES	$ 3,130,000	$ 3,269,000	$ 3,313,000	$ 3,707,000	$ 3,926,000	$ 4,172,000	$ 4,479,000	$ 4,809,000
Above or (below) Target Reserves	$ 589,947	$ 593,298	$ (97,180)	$ (1,802,489)	$ (2,361,378)	$ (2,055,642)	$ (2,016,650)	$ (1,185,182)
Effective date of water rates	7/1/15	7/1/16	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20	7/1/21
Projected Rate Increase for Service Charge	5.7%	7.5%	7.5%	16.7%	6.0%	6.0%	6.0%	6.0%
Service rates ($/month for 3/4" meter)	$19.10	$20.53	$20.53	$23.96	$25.40	$26.90	$28.50	$30.20
Projected Rate Increase for Quantity Charge	5.7%	5.2%	5.2%	4.6%	6.0%	6.0%	6.0%	6.0%
Quantity Charge: ($/kgal)	$5.96	$6.27	$6.27	$6.56	$6.88	$7.29	$7.73	$8.19
CVWD Quantity Charge: ($/kgal)	$5.96	$6.27	$6.27	$6.49	$6.88	$7.29	$7.73	$8.19

Wastewater Budget Table WWB-1 Projected Wastewater Accounts - FY 17/18 - Final June 20, 2017

Wastewater Accounts	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
	2	1			1	2	3	4	5
Residential Units - EDU[(1)]									
Single Family	5,273	5,247	5,252	5,252	5,254	5,256	5,258	5,260	5,262
Multi-family	2,548	*2,548*	2,550	2,587	2,627	2,629	2,631	2,633	2,635
Total Residential Units - EDU[(1)]	7,821	7,795	7,802	7,839	7,881	7,885	7,889	7,893	7,897
Total No. of Accounts - Commercial	166	168	166	170	170	170	170	170	170
Total No. of Accounts - School	6	6	6	6	6	6	6	6	6

Total EDUs	7,993	7,969	7,974	8,015	8,057	8,061	8,065	8,069	8,073
Projected No. of Account Annual Increase	4	(24)	5	46	42	4	4	4	4
Projected Percent of Account Annual Increase	0.05%	-0.30%	0.06%	0.58%	0.52%	0.05%	0.05%	0.05%	0.05%

Note:
1. EDU = Equivalent Dwelling Units

Wastewater Budget Table WWB-2 Revenues - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5
	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Wastewater User and Standby Charge Revenues									
Single family dwelling unit	$ 3,341,597	$ 2,126,359	$ 2,138,000	$ 2,121,492	$ 2,241,203	$ 2,281,373	$ 2,346,758	$ 2,415,345	$ 2,487,319
Multiple family dwelling		$ 1,040,190	$ 1,034,000	$ 731,928	$ 766,881	$ 779,950	$ 793,189	$ 818,107	$ 843,050
Total School charges		$ 94,835	$ 95,000	$ 119,208	$ 61,126	$ 62,045	$ 62,978	$ 64,869	$ 66,815
Total Commercial user charges		$ 208,491	$ 251,000	$ 158,359	$ 195,460	$ 198,569	$ 201,689	$ 207,938	$ 214,176
Sewer Service Discount		$ (194,016)	$ (150,000)	$ (150,000)	$ (150,000)	$ (150,000)	$ (150,000)	$ (150,000)	$ (150,000)
Total user charge revenues	$ 3,341,597	$ 3,275,859	$ 3,368,000	$ 2,980,988	$ 3,114,670	$ 3,171,937	$ 3,254,614	$ 3,356,259	$ 3,461,361
Permit/Connection Fees/Misc.									
Sewer Permits	$ 6,000	$ -	$ 4,000	$ 1,500	$ 4,000	$ 4,000	$ 3,000	$ 2,000	$ 1,500
Sewer Connection Fee (CVWD)	$ 31,523	$ 21,463	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 15,000	$ 15,000
Misc. Revenue	$ 27,577	$ 20,405	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Rental Properties Income	$ 7,400	$ 7,088	$ 7,500	$ 7,500	$ 7,500	$ 7,500	$ 7,500	$ 7,500	$ 7,500
Total Permit/Connection Fees/Misc.	$ 72,500	$ 48,956	$ 36,500	$ 34,000	$ 36,500	$ 36,500	$ 35,500	$ 29,500	$ 29,000
Interest Earned	$ 103	$ 196	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500
Total Revenue	$ 3,414,200	$ 3,325,011	$ 3,405,000	$ 3,015,488	$ 3,151,670	$ 3,208,937	$ 3,290,614	$ 3,386,259	$ 3,490,861

Wastewater Budget Table WWB-3 City of Los Angeles O & M and Capital Expense - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5	6
Description	Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22	Forecast FY 2022-23
City of Los Angeles Projection O & M	$ 346,710	$ 542,477	$ 696,140	$ 513,708	$ 831,520	$ 831,520	$ 831,520	$ 831,520	$ 831,520	
City of Los Angeles Projection Capital	$ 328,303	$ 819,713	$ 547,280	$ 436,829	$ 384,360	$ 384,360	$ 384,360	$ 384,360	$ 384,360	
City of Los Angeles Projection Total	$ 675,013	$ 1,362,190	$ 1,243,420	$ 950,537	$ 1,215,880	$ 1,215,880	$ 1,215,880	$ 1,215,880	$ 1,215,880	
City of Los Angeles Projections - March 2017[1]					*FY 2017-18*	*FY 2018-19*	*FY 2019-20*	*FY 2020-21*	*FY 2021-22*	***5 - Yr Avg***
City of Los Angeles Projection O & M					$ 796,500	$ 810,500	$ 834,600	$ 850,100	$ 865,900	*$ 831,520*
City of Los Angeles Projection Capital					$ 510,200	$ 567,500	$ 458,500	$ 244,600	$ 141,000	*$ 384,360*
City of Los Angeles Projection Total					*$ 1,306,700*	*$ 1,378,000*	*$ 1,293,100*	*$ 1,094,700*	*$ 1,006,900*	*$ 1,215,880*

Notes:

1. Source for FY 2017-18 City of Los Angeles - Amalgamated System Sewer Service Charges (ASSSC) include both capital and O&M charges dated 3/15/17
2. Projected FY 2016/17 does includes City of LA Reconciliation Charge for FY 2015/16 of $14,000
3. Budget 17/18 - 21/22 - Based on Average Cost from City of LA from 2017-2022

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 17/18 - Final June 20, 2017

Description	Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
	2	1			1	2	3	4	5
TREATMENT AND DISPOSAL CHARGES									
Los Angeles ASSSC	$ 675,013	$ 1,362,190	*$ 1,243,420*	$ 950,537	$ 1,216,000	$ 1,216,000	$ 1,216,000	$ 1,216,000	$ 1,216,000
TOTAL TREATMENT AND DISPOSAL CHARGES	$ 675,013	$ 1,362,190	*$ 1,243,420*	$ 950,537	$ 1,216,000	$ 1,216,000	$ 1,216,000	$ 1,216,000	$ 1,216,000

Description	Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
COMPENSATION AND BENEFITS									
Director Fees	$ 9,225	$ 8,370	*$ 9,000*	$ 7,614	$ 9,000	$ 9,000	$ 9,000	$ 9,000	$ 9,000
Compensation									
Officer Salaries	$ 150,010	$ 164,628	*$ 170,000*	$ 173,114	$ 170,000	$ 171,000	$ 172,000	$ 174,000	$ 176,000
Administrative Services Labor	$ 261,192	$ 267,658	*$ 283,000*	$ 287,813	$ 283,000	$ 247,000	$ 251,000	$ 255,000	$ 256,600
Administrative Services Labor - OT	$ 3,923	$ 3,493	*$ 3,000*	$ 4,271	$ 3,000	$ 2,000	$ 2,000	$ 2,000	$ 2,000
Engineering Department Labor	$ 91,208	$ 88,004	*$ 111,000*	$ 110,484	$ 111,000	$ 100,300	$ 102,600	$ 104,300	$ 105,700
Engineering Department Labor-OT	$ 876	$ 2,013	*$ 1,000*	$ 986	$ 1,000	$ 1,325	$ 1,350	$ 1,700	$ 1,700
Auto Allowance	$ 9,075	$ 10,200	*$ 10,000*	$ 10,200	$ 10,200	$ 10,200	$ 10,200	$ 10,200	$ 10,200
Plant - Office Labor	$ 56,639	$ 35,385	*$ 74,000*	$ 56,568	$ 74,000	$ 74,300	$ 75,000	$ 76,000	$ 81,000
Plant - Office Labor-OT	$ 117	$ 90	*$ -*	$ 164	$ -	$ -	$ -	$ -	$ -
Maintenance Workers Labor	$ 174,267	$ 184,136	*$ 201,000*	$ 127,180	$ 201,000	$ 213,000	$ 218,000	$ 220,000	$ 226,000
Maintenance Workers Labor-OT	$ 18,157	$ 17,511	*$ 22,000*	$ 13,114	$ 22,000	$ 22,000	$ 22,000	$ 22,000	$ 23,000
Standby Pay	$ 13,679	$ 14,375	*$ 14,000*	$ 14,909	$ 14,000	$ 14,600	$ 14,600	$ 15,000	$ 15,300
Labor Transfer to Capital	$ -	$ -	*$ -*	$ -	$ -	*combined with Engineering Dept. Labor*			
Compensation Total	$ 788,369	$ 795,863	*$ 898,000*	$ 806,415	$ 898,200	$ 864,725	$ 877,750	$ 889,200	$ 906,500
PERS Retirement (Total Employees)	$ 185,480	$ 184,189	*$ 210,000*	$ 200,656	$ 210,000	$ 228,000	$ 245,000	$ 262,000	$ 269,300
Taxes - Payroll (Total Employees)	$ 87,244	$ 87,179	*$ 93,000*	$ 89,346	$ 93,000	$ 94,000	$ 95,300	$ 96,600	$ 98,000
Sick and Vacation - Office	$ 44,454	$ 33,872	*$ 37,000*	$ 43,117	$ 37,000	$ 37,300	$ 37,600	$ 38,300	$ 38,600
Health and Dental and Vision - Office	$ 91,056	$ 86,590	*$ 86,000*	$ 89,711	$ 86,000	$ 87,300	$ 88,600	$ 90,600	$ 92,000
Retiree - Health Care Expense	$ 49,757	$ 47,114	*$ 49,646*	$ 48,000	$ 49,646	$ 50,000	$ 51,300	$ 52,000	$ 53,000
Life & Disability Insurance - Office and Plant	$ 6,331	$ 6,639	*$ 7,000*	$ 6,648	$ 7,000	$ 6,750	$ 6,750	$ 7,300	$ 8,000
Self Insurance	$ 6,201	$ 4,936	*$ 8,000*	$ 4,091	$ 8,000	$ 8,600	$ 8,600	$ 8,600	$ 8,600
Workers' Compensation - Office	$ 8,815	$ 12,925	*$ 14,000*	$ 14,112	$ 14,000	$ 12,000	$ 10,600	$ 8,600	$ 8,600
Sick and Vacation - Plant	$ 29,636	$ 22,581	*$ 25,000*	$ 28,745	$ 25,000	$ 24,600	$ 25,300	$ 25,600	$ 25,600
Health and Dental and Vision - Plant	$ 93,666	$ 88,143	*$ 93,000*	$ 87,995	$ 93,000	$ 94,700	$ 96,600	$ 98,600	$ 100,000
Workers' Compensation - Plant	$ 37,640	$ 53,076	*$ 60,000*	$ 56,149	$ 60,000	$ 54,675	$ 47,300	$ 38,000	$ 38,600
Benefits Total	$ 640,280	$ 627,244	*$ 682,646*	$ 668,569	$ 682,646	$ 697,925	$ 712,950	$ 726,200	$ 740,300
TOTAL COMPENSATION AND BENEFITS	$ 1,428,649	$ 1,423,107	*$ 1,580,646*	$ 1,474,985	$ 1,580,846	$ 1,562,650	$ 1,590,700	$ 1,615,400	$ 1,646,800

Description	Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
PLANT OPERATING EXPENSES									
Taxes - Property	$ 4,101	$ 4,167	*$ 4,500*	$ 4,255	$ 4,500	$ 4,600	$ 4,800	$ 4,900	$ 5,100
Glenwood - Plant Maintenance	$ 3,174	$ 5,684	*$ 7,500*	$ 12,110	$ 7,500	$ 8,000	$ 8,500	$ 8,600	$ 9,000
Landscaping Expense	$ 1,820	$ 1,650	*$ 1,800*	$ 2,276	$ 1,800	$ 2,000	$ 2,150	$ 2,300	$ 2,500
Office Supplies & Misc Expenses - Plant	$ 9,353	$ 8,071	*$ 7,000*	$ 13,986	$ 7,000	$ 7,500	$ 8,000	$ 8,000	$ 8,000
Glenwood - Utilities	$ 3,575	$ 2,912	*$ 5,300*	$ 2,935	$ 5,300	$ 5,700	$ 6,000	$ 6,300	$ 6,600

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 17/18 - Final June 20, 2017

Description	2 Recorded FY 2014-15	1 Recorded FY 2015-16	*Budget* *FY 2016-17*	Projected FY 2016-17	1 Budget FY 2017-18	2 Forecast FY 2018-19	3 Forecast FY 2019-20	4 Forecast FY 2020-21	5 Forecast FY 2021-22
Training - Plant	$ 3,222	$ 1,861	*$ 2,375*	$ 1,046	$ 2,375	$ 2,500	$ 2,650	$ 2,800	$ 2,900
Education Reimbursement/Cert. - WW	$ 252		*$ 1,000*	$ 750	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000
Glenwood - Safety and Security System	$ 5,820	$ 8,583	*$ 5,750*	$ 9,503	$ 5,750	$ 5,800	$ 6,000	$ 6,200	$ 6,300
Glenwood - Uniforms	$ 3,288	$ 3,755	*$ 3,000*	$ 3,530	$ 3,000	$ 3,250	$ 3,350	$ 3,500	$ 3,700
Tools and Equipment Maintenance	$ 17,375	$ 15,409	*$ 16,000*	$ 15,035	$ 16,000	$ 17,000	$ 18,000	$ 19,000	$ 20,000
Power - Lift Station	$ 723	$ 646	*$ 750*	$ 596	$ 750	$ 800	$ 800	$ 800	$ 800
Telemetering & Signal System	$ 2,680	$ 1,038	*$ 3,300*	$ 3,300	$ 3,300	$ 4,000	$ 4,300	$ 4,700	$ 5,000
SCADA Hardware	$ -	$ -	*$ 2,000*	$ 2,000	$ 2,000	$ 2,700	$ 3,000	$ 3,300	$ 3,700
SCADA Software	$ -	$ -	*$ 4,400*	$ 4,400	$ 4,400	$ 4,700	$ 5,000	$ 5,300	$ 5,600
SCADA Phone Lines & Radio	$ -	$ -	*$ 850*	$ 850	$ 850	$ 1,000	$ 1,150	$ 1,300	$ 1,500
TOTAL PLANT OPERATING EXPENSES	$ 72,878	$ 53,774	*$ 65,525*	$ 76,574	$ 65,525	$ 70,550	$ 74,700	$ 78,000	$ 81,700
COLLECTION SYSTEM EXPENSE									
Pipelines - Maintenance	$ 4,746	$ 14,171	*$ 5,000*	$ 1,552	$ 5,000	$ 6,000	$ 7,000	$ 8,000	$ 8,000
Auto/Truck - Maintenance	$ 34,676	$ 43,421	*$ 18,300*	$ 24,842	$ 18,300	$ 19,000	$ 19,700	$ 20,300	$ 21,000
Auto/Truck - Gas	$ 7,003	$ 4,985	*$ 6,600*	$ 5,051	$ 6,600	$ 6,800	$ 7,000	$ 7,200	$ 7,300
Auto/Truck - Diesel	$ 6,189	$ 5,018	*$ 6,000*	$ 4,460	$ 6,000	$ 6,200	$ 6,300	$ 6,500	$ 6,600
Sewer Flow Monitoring Expense	$ 12,860	$ 14,000	*$ 12,500*	$ 14,208	$ 14,208	$ 14,708	$ 15,208	$ 26,500	$ 26,500
Sewer Camera Van Inspection	$ 3,091	$ 2,557	*$ 3,000*	$ 69	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000
Sewer Interceptor - Maintenance	$ 1,360	$ 3,126	*$ 4,000*	$ -	$ 4,000	$ 4,000	$ 4,000	$ 4,000	$ 4,000
Sewer Lift Station - Maintenance	$ 4,275	$ 2,704	*$ 3,500*	$ 3,663	$ 3,663	$ 4,163	$ 4,663	$ 5,163	$ 5,663
TOTAL COLLECTION SYSTEM EXPENSE	$ 74,200	$ 89,983	*$ 58,900*	$ 53,845	$ 60,771	$ 63,871	$ 66,871	$ 80,663	$ 82,063
GENERAL AND ADMINISTRATIVE EXPENSES									
General Insurance (General Liability, Property, Fidelity)	$ 44,131	$ 50,444	*$ 56,000*	$ 52,849	$ 56,000	$ 59,000	$ 62,000	$ 65,000	$ 68,000
Accounting - Audit	$ 11,515	$ 10,940	*$ 13,000*	$ 10,000	$ 13,000	$ 14,500	$ 15,000	$ 15,500	$ 16,000
Legal Consulting Fees	$ 16,163	$ 15,503	*$ 15,600*	$ 15,915	$ 15,600	$ 16,600	$ 17,000	$ 17,600	$ 18,300
Administrative Consultants	$ 27,706	$ 69,512	*$ 44,000*	$ 20,912	$ 44,000	$ 42,500	$ 42,500	$ 43,300	$ 33,000
Election Expense	$ -	$ 41		$ -	$ -	$ 45,000	$ -	$ 50,000	$ -
Office Maintenance	$ 3,217	$ 3,088	*$ 4,000*	$ 3,958	$ 4,000	$ 4,000	$ 4,300	$ 4,700	$ 5,000
Landscape Maintenance - Office	$ 2,210	$ 1,514	*$ 2,500*	$ 1,718	$ 2,500	$ 2,650	$ 2,800	$ 3,000	$ 3,100
Office Supplies & Misc Expenses	$ 5,008	$ 5,262	*$ 5,500*	$ 4,039	$ 5,500	$ 6,000	$ 6,000	$ 6,000	$ 6,500
Computers Hardware	$ 6,837	$ 7,827	*$ 8,500*	$ 6,728	$ 8,500	$ 8,600	$ 9,000	$ 9,300	$ 9,700
Computer Software	$ 9,322		*$ -*	$ -	$ -	*Combined with computer software, maint, licnc.*			
Computer Software, Maintenance, License	$ 6,241	$ 19,418	*$ 17,000*	$ 10,139	$ 17,000	$ 17,000	$ 17,000	$ 17,300	$ 17,600
Utilities - Office	$ 6,294	$ 6,848	*$ 7,200*	$ 6,818	$ 7,200	$ 7,200	$ 7,300	$ 7,500	$ 7,700
Enterprise Voice Communications - land line phones	$ 8,488	$ 13,465	*$ 13,600*	$ 14,304	$ 13,600	$ 13,600	$ 14,000	$ 14,300	$ 14,700
Data Communications: Fiber Lines/Internet	$ -	$ 15,988	*$ 16,000*	$ 16,786	$ 16,000	$ 17,000	$ 17,000	$ 17,000	$ 17,700
Wireless Voice & Data Communications - cell	$ 1,890	$ 4,601	*$ 4,750*	$ 5,083	$ 4,750	$ 5,000	$ 5,200	$ 5,300	$ 5,500
Printing, Postage, Stationery, Copier Maintenance	$ 43,425	$ 36,718	*$ 37,500*	$ 30,641	$ 37,500	$ 38,000	$ 38,500	$ 39,500	$ 40,500
Uncollectible Accounts	$ 1,975	$ 1,355	*$ 1,150*	$ 1,048	$ 1,150	$ 1,150	$ 1,300	$ 1,300	$ 1,500
Engineering Department	$ 3,500	$ 3,337	*$ 3,600*	$ 3,376	$ 3,600	$ 4,000	$ 4,300	$ 4,700	$ 5,000

Wastewater Budget Table WWB - 4 Operation and Maintenance Expenses - FY 17/18 - Final June 20, 2017

Description	Recorded FY 2014-15 (2)	Recorded FY 2015-16 (1)	*Budget FY 2016-17*	Projected FY 2016-17	Budget FY 2017-18 (1)	Forecast FY 2018-19 (2)	Forecast FY 2019-20 (3)	Forecast FY 2020-21 (4)	Forecast FY 2021-22 (5)
Training - Office	$ 938	$ 1,077	*$ 1,150*	$ 629	$ 1,150	$ 1,350	$ 1,500	$ 1,700	$ 1,800
Conferences and Seminars - Office	$ 2,298	$ 2,311	*$ 3,000*	$ 2,189	$ 3,000	$ 3,300	$ 3,600	$ 4,000	$ 4,300
Board of Directors - Conferences and Seminars	$ 755	$ 2,393	*$ 1,675*	$ 714	$ 1,675	$ 1,675	$ 1,800	$ 2,000	$ 2,150
Misc Administration - Office	$ 1,758	$ 1,079	*$ 1,675*	$ 1,837	$ 1,675	$ 1,675	$ 1,700	$ 1,700	$ 1,700
Board of Directors - Misc Administration	$ 590	$ 362	*$ 650*	$ 707	$ 650	$ 650	$ 650	$ 650	$ 650
Membership Renewals/Subscriptions	$ 7,376	$ 6,585	*$ 7,500*	$ 8,231	$ 7,500	$ 7,600	$ 8,000	$ 8,300	$ 8,600
Bank Charges	$ 13,347	$ 18,624	*$ 18,000*	$ 20,233	$ 18,000	$ 19,000	$ 20,000	$ 21,000	$ 22,000
Rental Properties Expense	$ 580	$ 563	*$ 1,050*	$ 3,929	$ 850	$ 850	$ 850	$ 850	$ 850
GENERAL AND ADMINISTRATIVE EXPENSES	$ 225,562	$ 298,854	*$ 284,600*	$ 242,783	$ 284,400	$ 337,900	$ 301,300	$ 361,500	$ 311,850

TOTAL WASTEWATER SYSTEM EXPENSE (w/o LA Treatment Costs)	$ 1,801,288	$ 1,865,718	*$ 1,989,671*	$ 1,848,187	$ 1,991,542	$ 2,034,971	$ 2,033,571	$ 2,135,563	$ 2,122,413
TOTAL WASTEWATER SYSTEM EXPENSE (w/o LA Treatment & Labor Costs)	$ 372,639	$ 442,611	*$ 409,025*	$ 373,202	$ 410,696	$ 472,321	$ 442,871	$ 520,163	$ 475,613

Wastewater Budget Table WWB - 5 Reserve Targets - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5
Description	Recorded FY 2014-15	Recorded FY 2015-16	*Budget FY 2015-16*	Projected FY 2015-16	Budget FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21	Forecast FY 2021-22
Rate stabilization (a)	$ 512,100	$ 498,750	$ 496,350	$ 452,250	$ 472,800	$ 481,350	$ 493,650	$ 507,900	$ 523,650
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)	$ 850,000	$ 850,000	$ 850,000	$ 850,000	$ 900,000	$ 950,000	$ 1,000,000	$ 1,050,000	$ 1,100,000
Working cash (c)	$ 300,000	$ 310,000	$ 330,000	$ 310,000	$ 330,000	$ 340,000	$ 340,000	$ 360,000	$ 350,000
Total Target WW Reserves	$ 2,412,100	$ 2,408,750	$ 2,426,350	$ 2,362,250	$ 2,452,800	$ 2,521,350	$ 2,583,650	$ 2,667,900	$ 2,723,650

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 17/18 - Final June 20, 2017

Description	Recorded FY 2014-15	Recorded FY 2015-16	Budget FY 2016-17	Projected FY 2016-17	Budget FY 2017-18	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20	Forecast FY 2020-21
	2	1			1	2	3	4	5
1. Collections Systems	$ 8,112	$ 8,112	$ 75,000	$ -	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000
2. Interceptor System	$ 1,109	$ 1,109	$ 2,000	$ -	$ 2,000	$ 2,000	$ 2,000	$ 2,000	$ 2,000
3. Lift Station			$ 75,000	$ -	$ 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. Public Safety/Emergency Response			$ -	$ -	$ -	$ -	$ -	$ -	$ -
6. Facilities & Planning			$ 20,000	$ -	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000
7. Misc. Sewer Projects			$ 8,000	$ -	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Total CIP Projects	$ 9,221	$ 9,221	$ 185,000	$ -	$ 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	$ 10,000	$ 6,600	$ 6,600
Main Office - Upgrades			$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000	$ 3,000
Misc	$ 8,593	$ 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	$ 300,000					
Annual Vehicle Replacement (1 vehicle)	$ 24,208	$ 24,208	$ 75,000	$ 50,388	$ 55,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000
Total CO Projects	$ 32,801	$ 32,801	$ 392,000	$ 362,388	$ 75,000	$ 62,000	$ 64,000	$ 57,000	$ 57,000
Total CIP & CO Projects	$ 42,022	$ 42,022	$ 577,000	$ 362,388	$ 222,000	$ 172,000	$ 174,000	$ 167,000	$ 167,000

Wastewater Budget Table WWB - 7 Sources and Applications of Funds - FY 17/18 - Final June 20, 2017

	2	1			1	2	3	4	5
Budget	**Recorded FY 2014-15**	**Recorded FY 2015-16**	*Budget FY 2016-17*	**Projected FY 2016-17**	**Budget FY 2017-18**	**Forecast FY 2018-19**	**Forecast FY 2019-20**	**Forecast FY 2020-21**	**Forecast FY 2021-22**
REVENUE									
Projected user charges	$ 3,341,597	$ 3,275,859	*$ 3,368,000*	$ 2,980,988	$ 3,115,000	$ 3,171,937	$ 3,254,614	$ 3,356,259	$ 3,461,361
Total permit/connection fee	$ 72,500	$ 48,956	*$ 36,500*	$ 34,000	$ 36,500	$ 36,500	$ 35,500	$ 29,500	$ 29,000
Interest earnings	$ 103	$ 196	*$ 500*	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500
TOTAL REVENUE	$ 3,414,000	$ 3,325,000	*$ 3,405,000*	$ 3,015,000	$ 3,152,000	$ 3,209,000	$ 3,291,000	$ 3,386,000	$ 3,491,000
EXPENSE									
City of LA Sewer Service Charges	$ 675,013	$ 1,362,190	*$ 1,243,000*	$ 950,537	$ 1,216,000	$ 1,216,000	$ 1,216,000	$ 1,216,000	$ 1,216,000
Sewer Labor & Benefits	$ 1,428,649	$ 1,423,107	*$ 1,580,000*	$ 1,474,985	$ 1,580,846	$ 1,562,650	$ 1,590,700	$ 1,615,400	$ 1,646,800
Sewer O & M Expense	$ 372,639	$ 442,611	*$ 409,000*	$ 373,202	$ 411,000	$ 472,000	$ 443,000	$ 520,000	$ 476,000
Sewer CIP & CO Expense	$ 42,022	$ 42,022	*$ 522,000*	$ 362,388	$ 222,000	$ 172,000	$ 174,000	$ 167,000	$ 167,000
Transfer to Water Reserves	**$ -**	**$ -**	*$ -*	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
TOTAL EXPENSE	$ 2,518,323	**$ 3,269,930**	*$ 3,754,000*	$ 3,161,112	$ 3,429,846	$ 3,422,650	$ 3,423,700	$ 3,518,400	$ 3,505,800
Additions (reductions) to cash	$ 895,677	$ 55,070	*$ (349,000)*	$ (146,112)	$ (277,846)	$ (213,650)	$ (132,700)	$ (132,400)	$ (14,800)
Effective date of Wastewater rates	**7/1/14**	**7/1/15**	*7/1/16*	**7/1/16**	**7/1/17**	**7/1/18**	**7/1/19**	**7/1/20**	**7/1/21**
Rate increase	**4.7%**	0.0%	*0.0%*	0.0%	0.0%	0.0%	1.0%	1.0%	1.0%
FY beginning Wastewater Reserves	**$ 4,504,530**	$ 4,823,229	*$ 4,878,298*	$ 4,878,298	$ 4,732,186	$ 4,454,341	$ 4,240,691	$ 4,107,991	$ 3,975,591
Additions (reductions)	$ 895,677	$ 55,070	*$ (349,000)*	$ (146,112)	$ (277,846)	$ (213,650)	$ (132,700)	$ (132,400)	$ (14,800)
FY ending Wastewater Reserves	$ 5,400,207	$ 4,878,298	*$ 4,529,298*	$ 4,732,186	$ 4,454,341	$ 4,240,691	$ 4,107,991	$ 3,975,591	$ 3,960,791
Reconciliation	**$ (576,978)**	**$ (576,978)**	*$ -*	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
FY ending Wastewater Reserves	**$ 4,823,229**	$ 4,301,320	*$ 4,482,896*	$ 4,732,186	$ 4,454,341	$ 4,240,691	$ 4,107,991	$ 3,975,591	$ 3,960,791
TOTAL TARGET WASTERWATER CASH RESERVES	**$ 2,152,251**	$ 2,272,087	*$ 2,456,350*	$ 2,362,250	$ 2,452,800	$ 2,521,350	$ 2,583,650	$ 2,667,900	$ 2,723,650
Above (below) target	**$ 3,247,956**	$ 2,606,211	*$ 2,072,948*	$ 2,369,936	$ 2,001,541	$ 1,719,341	$ 1,524,341	$ 1,307,691	$ 1,237,141

Legend

Blue - Recorded Revenues & Expenses

Brown - Previous Year Budget & Projected Revenues & Expenses

Black - Budget Revenues & Expenses

Green - Forcast Revenues & Expenses