



MARIN MUNICIPAL WATER DISTRICT

FINAL

FISCAL YEAR 2017/18 and 2018/19

OPERATING AND CAPITAL BUDGET

June 20, 2017



**MARIN MUNICIPAL
WATER DISTRICT**

MISSION STATEMENT

It is the purpose of the Marin Municipal Water District to manage our natural resources in a sustainable manner and to provide our customers with reliable, high-quality water at a reasonable price.

MARIN MUNICIPAL WATER DISTRICT

FINAL PROPOSED

FY 2018 & FY 2019 OPERATING & CAPITAL BUDGETS

BOARD OF DIRECTORS

Jack Gibson

Division I Representative

Armando Quintero, Vice President

Division II Representative

Larry Bragman

Division III Representative

Cynthia Koehler

Division IV Representative

Larry Russell, President

Division V Representative

BOARD COMMITTEES

District Operations Committee

Finance Committee

Communications Committee

Watershed Committee

Compensation Committee

Drought Resiliency Committee

Water Rate Restructure Committee

Conservation Action Committee

Lagunitas Creek

Citizens Advisory Committee

Advisory Committee

Sonoma County Water Agency

Tomaes Bay Watershed

North Bay Watershed Assc.

Ad Hoc Committee

Ad Hoc Committee

Ad Hoc Committee



Larry Bragman
Division III



Jack Gibson
Division I



Armando Quintero
Division II



Cynthia Koehler
Division IV



Larry Russell
Division V



**MARIN MUNICIPAL
WATER DISTRICT**

Board of Directors

Krishna Kumar
General Manager





**MARIN MUNICIPAL
WATER DISTRICT**

**Krishna Kumar
General Manager**

**Charles Duggan
Administrative Services Division Manager/Treasurer**

**Michael Ban
Engineering & Environmental Services Division Manager**

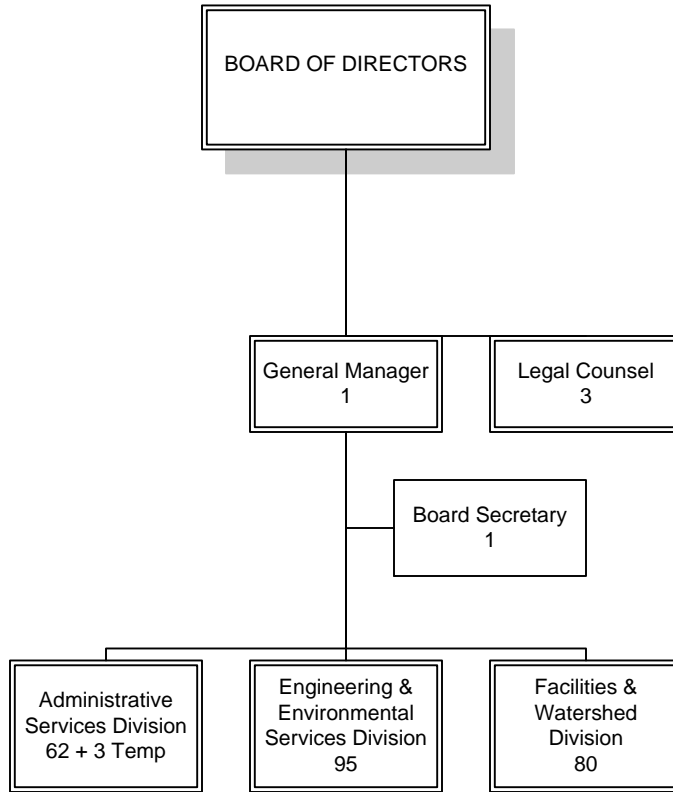
**Crystal Yezman
Facilities & Watershed Division Manager**

**Mary Casey
General Counsel**

Marin Municipal Water District

AUTHORIZED POSITIONS

	<u>2017/18</u>	<u>2018/19</u>
Full Time	242	240
Full Time Temporary	3	3
TOTAL	245	243





MARIN MUNICIPAL WATER DISTRICT

Fiscal Year 2017/2018 & 2018/2019 Operating & Capital Budget

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June 20, 2017

Honorable President and Members of the Board of Directors:

We are pleased to present the General Manager's recommended budgets for fiscal years 2017/18 and 2018/19.

As the district enters its 106th year, we continue our commitment to provide excellent service to our customers and to be responsible stewards of the Mt. Tamalpais Watershed. The District continues to provide high-quality drinking water to 187,500 people in a 147 square-mile area of southern and central Marin County that includes ten towns and cities as well as unincorporated areas.

Due to the recent rains, the District's reservoir levels, as of June 16, 2017, are at 97% of capacity and 113% of average. The District relies on reservoir storage for 75% of its water supply. The remaining 25% of the District's needs are met through water purchases from Sonoma County Water Agency (SCWA). In a normal year, through a combination of reservoir storage and water imported from SCWA, the District's maximum available supply is about two and one-half years.

Despite the strong local economy and above-average water supply, the District has faced a steady decrease in water sales. Water production for the fiscal year ended June 30, 2016, was 23,248 acre-feet, 4.8% less than the previous fiscal year of 24,407 acre-feet.

As a result of the state drought restrictions MMWD customers have had to decrease their water use through the fiscal year ended June 30, 2016. To address the decrease in water sales revenue as a result of water use reductions, on December 8, 2015, the Board approved a two year water rate package which incorporated rate restructuring effective January 1, 2016. The new rate structure reflects modifications which include increased fixed service charge, adding a new fixed watershed management fee, adjustments to the tier rates of the commodity charge for all customer classes and changes in the tier allotments for multi-family and duplex customer classes. An additional rate increase became effective on May 16, 2016. Subsequently, on May 16, 2017, rate increases were approved effective July 1, 2017 and July 1, 2019. The July 1, 2019 rate increase is subject to a Prop 218 equivalent review process and Board approval.

The debt coverage ratio for the fiscal year ended June 30, 2016, before utilization of the Rate Stabilization Fund, was 1.22. On November 1, 2016, the Board approved the withdrawal of \$0.2 million from the Rate Stabilization Fund to increase the debt coverage ratio for the year ended June 30, 2016 to 1.25. After the withdrawal of \$0.2 million, the Rate

Stabilization Fund balance is \$5.7 million, down \$1.6M from a high of \$7.3 as of June 30, 2014. The goal is to have at least one year's worth of debt service in the Rate Stabilization Fund. The District anticipates that the Rate Stabilization Fund will be restored to \$6.7 million before closing the FY 2017 books.

As of June 30, 2016, the District's unrestricted reserves were at \$16.9 million or 3.1 months of operating budget with a goal of six months of operating budget.

2016/17 and 2017/18 Goals, Priorities, and Objectives

In May 2014 the district adopted its first strategic plan to define the vision, mission, values, goals and future business strategy for the district. The district's commitments to the communities we serve are reflected in these goals:

Water Supply Resiliency – We will maintain a level of reliability that supports MMWD's customers' needs, our community's quality of life, and the local economy.

Financial Stewardship - We will prudently manage the public resources entrusted to us.

Communications - We will partner with our community, customers, and staff to understand and reflect their interests and clearly articulate the programs and policies of Marin Municipal Water District.

Environmental Stewardship - We will serve the community and manage the environmental assets entrusted to us for the benefit of present and future generations.

Workforce - We will maintain a diverse, highly-qualified and trained, motivated, and productive workforce to achieve MMWD's goals.

In alignment with the strategic commitments and goals, the 2017/18 and 2018/19 budgets include the following strategic priorities and objectives:

- Maintaining current, exceptional service levels.
- Timely replacement and construction of water system and other facilities per the District's 5-year capital improvement plan and using planned issue of new bonds in 2017/18 of \$42M.
- Encouraging water conservation through rebate programs for residential and commercial water fixtures and completing the automated meter reading pilot project for irrigation customers funded through state grants.
- Continuing to improve customer and public communication by leveraging technology for interaction through the district's website, social media, and an upgraded customer portal.
- Managing district assets efficiently to achieve priorities by the creation of a formal MMWD Asset Management Plan.
- Completing the environmental studies related to the Biodiversity, Fire, and Fuels Integrated Plan (BFFIP), and proactively taking steps to protect Marin's communities, water supply, and natural resources from catastrophic wildfire.

- Retaining a talented and committed workforce through careful succession planning efforts. As with many agencies, the district is challenged by current and future retirements of many long-term employees.
- Complete negotiations of the three year employment agreements with represented and unrepresented employees effective July 1, 2018, through interest-based bargaining.

2017/18 and 2018/19 Budget Highlights

Operating Budget

The proposed operating budget for FY18 is \$71.5 million; an increase of 8.1% over the FY17 estimated year end expenditures. The FY19 District operating budget request, at \$76.3 million, is an increase of 6.8% over the FY18 requests.

To provide funding for operations, the Board approved a two year rate proposal in July 2017 as supported by the 2017 Cost of Service Analysis (2017 COSA). The rate proposal will include an increase of 7% in FY18 and in FY20. The increase would improve revenue stability through an increase in fixed revenue up to 30% mitigating revenue risk caused by swing in water demand. Projected increase in operating revenues from the rate increase would be \$5.2 million in FY18 compared to the estimated FY17 operating revenue. Demand projections for FY18 and FY19 remains at 21,900 AF as confirmed by the 2017 COSA update. Although drought conditions have eased, water consumption is projected to remain the same, as Marin County residents have embraced water conservation as an everyday ethical and civic duty. Debt service increases by \$2.9 million and \$0.8 million in FY18 and FY19 respectively as the District plans to issue a new \$42 million bond in 2017 to fund capital improvement projects for the next two fiscal years.

The district continues to assess work processes and procedures and identify opportunities to create operational efficiencies. The district's authorized full-time employee position count for FY18 and FY19 remains at 245, a decrease from the high of 263 employees in FY11. The district staff is committed to reduce employee levels by five over the next two fiscal years to 240 positions through attrition.

Capital Improvement Program Budget

The capital program includes both district-funded capital projects and fire flow projects. The budget is based on the 5-year capital improvement plan developed by the Environmental and Engineering Services Division in coordination with other district divisions, with the goal of protecting public health and the environment, maintaining and rehabilitating existing assets, and responding to regulatory requirements. FY18 capital budget request of \$34.4 million is a 42.8% increase from estimated FY17 CIP expenditures. FY19 request of \$35.8 million is an increase of 4.3% from FY18 budget request.

District capital projects, excluding fire flow and reimbursable projects, will be funded by Pay-as-you-Go amounts of \$6 million and \$2 million for FY18 and FY19 respectively, and

capital contribution. Additional funding for the capital program from a new debt issue is planned in FY18 in the amounts of \$42 million.

Major capital projects in the biennial capital program budget include:

- Treatment Plant Seismic and Reliability Upgrade Project (\$2.7 million.) This is the next phase of the District's 18-year plan to upgrade the treatment plants, and includes replacement of the clarifier mechanisms, and solids handling and treatment process upgrades, and is a component of the District's Water Treatment Master Plan
- Pipeline Replacement Program (\$12.2 million.) This is an on-going program to replace approximately 8 miles of pipelines that have reached the end of their useful life
- Transmission and Distribution Pumps Replacement Program (\$4.2 million) to replace aging pumps and upgrade district pump stations.
- Slide Repair (\$3.5 million) to repair damage caused by the 2017 storms.
- Storage Replacement and Upgrades (\$2.7 million) in support of replacement of the Ross Valley Tank and seismic upgrades to steel tanks.
- Fire Flow Improvement Program of (\$9 million) to support replacement of over five miles of fire flow deficient pipelines
- Upgrade or replacement of the District's Supervisory Control and Data Acquisition System (SCADA) (\$2.9 million) which has reached the end of its useful life.

Acknowledgement

The budget represents the continued efforts and guidance of the Board and staff, in particular, the Supervisors, Department Managers, Division Managers, support staff, Assistant Finance Manager Mikyung Pustelnik, and Finance Analyst Cheryl Howlett. Without the assistance and cooperation of everyone, it could not have been completed in a timely manner. Thanks to all involved for their hard work and patience.

Respectfully submitted,



Krishna Kumar
General Manager



Charles M. Duggan, Jr
Administrative Services Division Manager/Treasurer

GENERAL INFORMATION

The Marin Municipal Water District (MMWD) is a special district that provides water service to residents residing within 147 square miles of Marin County, California, located immediately north of the Golden Gate Bridge and the City of San Francisco. The district is an independent agency that has no reporting responsibilities to either Marin City or Marin County. It serves a population of approximately 189,400 with the annual water demand averaging 23,500 acre feet (over the last five years), but the demand has historically been as high as 33,100 acre feet. MMWD's service area includes southern and central Marin County and ten (10) of the county's eleven (11) cities as well as substantial unincorporated open space area. The district is the oldest municipal water district in the State of California and is comprised of over 900 miles of water pipeline, four treatment plants including one plant for recycled water, seven reservoirs, 128 storage tanks, and over 61,000 service connections.

The district is governed by a five-member Board of Directors, each representing a district division. Directors serve overlapping four-year terms. The Board, in turn, elects one of its members to serve as Board President each year. The Board appoints the General Manager, Administrative Services Division Manager/Treasurer, Board Secretary and Legal Counsel, each of whom serves at the pleasure of the Board. The General Manager is the chief executive, and is responsible for hiring all Division Managers for each of the district functions and to administer the programs in accordance with the policies of, and the Annual Budget adopted by the Board of Directors.

WATER SUPPLY

Historically, the district's water supply comes primarily from rainfall runoff captured on the north slope of Mt. Tamalpais in the westerly slopes of the coastal range. District facilities, constructed in stages over the last 100 years, divert approximately two-thirds of the flow of Lagunitas Creek above Kent Lake and more than one-third of the flow of Nicasio Creek to developed areas of eastern Marin. The district's watershed drainage system has four creek units: Lagunitas Creek above Kent Lake, Nicasio Creek at Nicasio Dam, Ross Creek above Phoenix Lake and Walker Creek above Soulajule Reservoir. The district and its predecessor agencies have maintained rainfall records for a period over 130 years. Average annual precipitation varies across the drainage basins above the reservoirs from about 60 inches above Kent Lake to 34 inches on Walker Creek. Average annual net runoff (total runoff less losses) on the district's watershed lands is more than 75,000 acre feet. However, year-to-year net runoff figures vary significantly from a high net runoff in 1982/83 of approximately 213,000 acre feet to a low of approximately 3,000 acre feet in 1976/77. Today, about 75% of the potable water used by district customers comes from the local reservoir system.

The district has considerable stewardship responsibility for the aquatic species that reside in the streams below its reservoirs. In particular, the district must release water from its reservoirs to help sustain downstream fisheries. To meet the terms included in the district's water rights, an average of approximately 11,000 acre feet per year is released for that purpose.

In addition to the above described local water sources, since 1976 the district, has contracted for imported delivery from Sonoma County Water Agency (SCWA). A renewed agreement with SCWA was executed in June 2015; this agreement, allows the district to continue taking delivery of up to 14,300 acre feet of water per year. The contract remains in effect until June 30, 2025, and includes a renewal provision that will extend the agreement through June 30, 2040. In fiscal year 2016, the district produced approximately 23,200 acre feet of water for its customers, including approximately 5,300, acre feet of water imported from SCWA.

MMWD's current water supplies can currently serve a commitment of approximately 28,000 acre feet/year based on the district's estimate of the yield of all supplies available to the district. Such estimate of yield includes 21,000 acre feet per year from the district's reservoirs and reclaimed water projects and 7,000 acre feet per year of water imported from SCWA.

WATER SYSTEM & TREATMENT FACILITIES

The district owns and operates water production, storage, treatment and distribution facilities to serve customers within its boundaries. MMWD's current water system consists of 80 square miles of watershed, seven reservoirs with a storage capacity of 79,566 acre feet (one acre foot is equal to 325,851 gallons, enough water to cover one acre to a depth of one foot), 910 miles of pipeline, 128 storage tanks, 97 pumping stations, three potable water treatment facilities, and one recycling facility. District owned land, including watershed, totals 22,450 acres. Five of the seven district reservoirs (Alpine, Bon Tempe, Kent, Lagunitas and Phoenix Lakes) are located on the north slope of Mt. Tamalpais. The other two (Nicasio and Soulajule) are outside the district's service area in western Marin County. Presented below are descriptions of the district's reservoirs:

- **Alpine Lake**, built in 1919 and has an arched concrete dam. The dam was raised in 1923 and 1941 to its present height and a total storage capacity of 8,891 acre feet.
- **Bon Tempe Lake** has an earth fill dam and was built in 1948 with a capacity of 4,017 acre feet.
- **Kent Lake** has an earth fill dam and was built in 1953. The structure was enlarged in 1982 to accommodate a total capacity of 32,895 acre feet.
- **Lake Lagunitas**, the oldest facility, has an earth fill dam built in 1872. Lake Lagunitas still maintains its original capacity of 350 acre feet.
- **Phoenix Lake**, has an earth fill dam, was constructed in 1905 and was significantly modified in 1968 and 1985. The last modification reduced the lake's capacity to 411 acre feet. It now serves primarily as a scenic resource for the community and is used as a water supply source only in very dry years.
- **Nicasio Reservoir** has an earth fill dam and was built in 1960, with a capacity of 22,430 acre feet.

- **Soulajule Reservoir** is impounded by an earth fill dam built in 1979 with a capacity of 10,572 acre feet.

The district operates three water treatment facilities: San Geronimo Treatment Plant, Bon Tempe Treatment Plant, Ignacio Pump Station, where the quality of potable water purchased from the Sonoma County Water Agency (SCWA) is adjusted to match that of the water in the rest of the districts system, and one water recycling facility, Las Gallinas Valley Water Recycling Plant. San Geronimo and Bon Tempe Plants, with 35 million gallons per day (mgd) and 20 mgd maximum capacity, respectively, treat water originating from the district reservoirs. Ignacio Pump Station, with 16 mgd maximum capacity, performs chemical treatment in a “polishing” operation on water received from Sonoma County Water Agency via the North Marin Intertie Pipeline. Las Gallinas Reclamation Plant, with 2 mgd current maximum capacity, performs tertiary treatment of wastewater effluent and distributes water used mainly for irrigation to more than 340 service connections through 24 miles of pipeline.

FINANCIAL ORGANIZATION AND BUDGET PROCESS

INTRODUCTION

This section describes the district's financial structure, financial organization, and budget development process. It provides a financial overview, including how the budget is created.

FINANCIAL ORGANIZATION

Fund Structure and Descriptions

The district's financial structure is based on proprietary and fiduciary funds. Overall district operations are reported as a single proprietary fund which uses an economic resources measurement focus and the accrual basis of accounting. The fund operates similar to business enterprises where the intent is that the expense of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

The district also utilizes a fiduciary fund to account for funds held on behalf of the Wolfback Ridge Special Assessment District. The revenues and expenses related to the fiduciary fund are not included in the budget.

Financial Reporting

The district prepares its financial reports in conformity with generally accepted accounting principles (GAAP) and standards for financial reporting set forth by the Governmental Accounting Standards Board (GASB) on an accrual basis. Revenues are recognized when earned and costs are recognized when a liability is incurred.

Budgetary and Accounting Basis

The district's basis of budgeting generally conforms to the GAAP basis of accounting used for financial reporting. Revenues are recorded when earned and expenses are recorded at the time commitments are incurred.

Depreciation and amortization are handled differently in financial and budgetary reporting. In financial reporting, depreciation and amortization are included, and the repayment of the principal on debt is not included. In budgetary reporting, depreciation and amortization are excluded, and the repayment of the principal on debt is included as an expense.

THE BUDGET PROCESS

During the budget process, the district makes decisions on the efficient use of its resources. A financial plan and biennial budget is established that includes the operating and capital programs and sets levels of related operating, capital and debt service expenditures that may be made during the budget period.

The budget is developed to reflect the costs necessary to provide customers with safe and reliable water service over the long term while keeping rate increases as low as possible. The budget not only allocates

resources, but is also used to develop rates and charges that provide adequate revenues to meet the district's needs, and encourages the efficient use of water.

Decisions on allocating resources and addressing budget needs do not end when the board adopts the budget. Throughout the year departments are responsible for implementing the budget and monitoring budget performance, responding to unforeseen or emergency circumstances, and participating in long-range financial planning.

Balanced Budget

The district budget is balanced when operating revenues are equal to or greater than operating expenditures including debt service but excluding depreciation and amortization (i.e., budgeted expenditures shall not exceed budgeted revenues).

Mid-Cycle Budget Update

The Board of Directors approves the budget covering a two-year period. Prior to the start of the second year of the two-year budget on July 1, the Board will be presented a financial update including updates on projections for revenues, expenditures and staffing and review of the prior fiscal year results compared to budget.

Budgetary Controls

The district-wide funds management system provides budgetary controls which monitors spending within budgeted amounts. Budgetary controls function differently for operating and capital budget expenditures.

For the operating budget, each department's expenditures is controlled within an expenditure category such as materials, supplies, freight and utilities, repairs and maintenance and professional services fees, for example. A department cannot exceed their authorized operating budget within an expenditure category or the total department budget for a fiscal year.

Capital project spending is controlled based on the funding source. There can be more than one project assigned to a funding source.

Budgetary Adjustments

Reallocation of the operating budget for a department among its line item expenses allows the departments to have financial flexibility within the funds management system. Budget adjustments to a departmental budget are reallocations of funds between line item expenses and between fund centers. Approval from the affected department(s) and the Finance Manager are required for all departmental budget adjustments. General Manager approval is required for the reallocation of funds from between the operating and capital budgets and between departments. Overall increases to the operating or capital budgets require approval from the Board of Directors.

Capital Improvement Program

The Capital Improvement Program (CIP) addresses the capital priorities of the district for

the next five years. The CIP is updated annually to reflect shifts in project priorities.

The responsibilities for preparing and managing the CIP mainly rest with the Environmental and Engineering Services Division with input from other departments for water system, watershed and information technology improvements.

OUTSTANDING DEBT SUMMARY

The district's outstanding debt as of July 1, 2017 includes Revenue Bonds, and Clean Renewable Energy Bonds (CREBs) as described below.

WATER REVENUE BONDS

As of July 2017, the district has two revenue bond issues outstanding; the 2012 Series A Water Revenue Bonds and the 2016 Refunding Revenue Bonds issued by the joint power authority, Marin Municipal Water District Financing Authority (Authority). The bonds are special limited obligations of the Authority payable from and secured by a pledge of the net revenue of the district per an installment sale agreement between the district and the Authority.

A portion of each issues' proceeds were used to fund additions, betterments, extensions and improvements to the district's water system, watershed improvement projects, water treatment and water quality projects, water distribution piping and related facility improvement projects, water storage projects and computer and technology system projects. For both issues, interest payments are payable semi-annually on January 1 and July 1 and principal payments are payable annually on July 1.

The 2012 Series A Water Revenue Bonds were issued in June 2012 in the amount of \$85,000,000 to refund the district's outstanding 2002 Water Revenue Bonds and a portion of the 2004 Certificates of Participation and to fund capital improvements to the district's water system. The refunding took advantage of lower interest rates which were available and resulted in reductions in debt service requirements over the life of the new debt generating \$4.4 million in interest expense savings. Total proceeds received from the bond issue for funding district capital improvements, was \$54.6 million. As of July 1, 2015 the remaining proceeds from the issue are projected to be \$23 million and will be fully spent in 2016/17.

The 2016 Refunding Revenue Bonds were issued in November 2016, in the amount of \$31,380,000, to refund the district's outstanding 2010 Series A Water Revenue Bonds. The refunding took place to restructure the debt service requirements and deferred the first principal payment to 2030 generating cash flow saving of \$1.9 million. The proceeds received from the refunding bond issue was \$35.2 million and will be held in an escrow account until the 2010 Water Revenue Bonds is redeemed in 2020.

As of June 30, 2016 the outstanding principal balances for 2012 Series A Water Revenue Bonds and 2016 Refunding Revenue Bonds were \$84,350,000 and \$31,380,000, respectively.

CLEAN RENEWABLE ENERGY BONDS

In September 2008, the district issued Clean Renewable Energy Bonds (CREBs) for the installation of solar panels on the district's administration and corporate yard buildings. The CREBs were authorized by the Internal Revenue Service and are structured so that bondholders receive a federal income tax credit in lieu of interest. The total principal amount of the CREBs issued for both projects was \$1,956,000. The debt service is paid annually over 15 years in the amount of \$122,250, principal only. The installment payments are payable from the net revenue of the district. As of June 30, 2016 the outstanding principal balance was \$855,750.

SUMMARY OF OUTSTANDING DEBT AS OF JUNE 30, 2017

	Interest Rate	Final Maturity	Principal Balance
2012 Water Revenue Bonds	2.00% – 5.00%	2052	82,550,000.00
2016 Refunding Revenue Bonds	4.50% - 5.00%	2040	31,380,000.00
Clean Renewable Energy Bonds	Tax Credit	2023	<u>733,500.00</u>
TOTAL			<u>\$119,545,250.00</u>

The district is subject to certain debt covenants, the most restrictive of which requires the setting of rates and charges to yield net revenue equal to at least 125 percent of the current annual debt service requirement of the revenue bonds and other parity debt, as well as the establishment of certain principal, interest and reserve funds. The 2012 Revenue Bonds and 2016 Refunding Bonds are collateralized by a pledge of the district’s net revenues of Water Systems, as defined in the Master Indenture.

SOURCES OF DEBT SERVICE PAYMENTS

The district's primary source of revenue is water sales, followed by service charges, connection charges and interest. The district has the power and is mandated to establish rates and charges for water service as necessary to meet all of its expenses and obligations including debt service on existing revenue bonds, coverage requirements, and installment payments.

The outstanding revenue bonds have a first lien on net revenues. Net revenues are all enterprise revenues after deducting all maintenance and operation costs, plus connection charges after deducting all costs of making the connections for which such charges are payable.

MMWD's current water rates are designed to fund all district expenses, including operation and maintenance, debt service and meet debt coverage requirements.

WATER RATES AND CHARGES

The district has the authority under California law to establish charges for service without the review and approval of any other government body, but is required to initiate public notification through the Proposition 218 process. The district's rates and charges are established by ordinance approved by the Board of Directors. The district has the right to refuse or terminate water service to delinquent customers and to require full payment of delinquent amounts and reconnection charges to resume service.

The schedule, page 23, summarizes MMWD's current water rates, showing the rates adopted on December 8, 2015 and effective on all meter readings on and after May 1, 2016.

TYPICAL WATER BILLS

A typical bimonthly water bill for a residential customer using 21 CCF of water is \$125.81, as of the last rate increase on May 1, 2016, which includes a fixed bi-monthly service charge of \$33.85 and watershed management fee of \$8.80. Average residential consumption is 21 CCFs bimonthly.

MARIN MUNICIPAL WATER DISTRICT
Comparative Expenditures
Operating, Capital and Fire Flow Funds
Year Ending June 30th

OBJ	Description	2015 Actual	2016 Actual	2017 Estimated	2018 Proposed	Increase (Decrease)	2019 Proposed	Increase (Decrease)
4100	Regular Salaries & Wages	\$ 20,952,956	\$ 21,377,733	\$ 22,027,962	\$ 21,502,832	-2.38%	\$ 22,747,923	5.79%
4110	Overtime & Standby	894,708	953,847	1,074,584	955,035	-11.13%	967,478	1.30%
4190	Temporary	291,936	319,175	464,283	380,125	-18.13%	406,181	6.85%
4170	Director Fees	48,546	58,464	45,000	75,440	67.64%	77,200	2.33%
4195	Contract Help	431,215	385,942	477,277	471,949	-1.12%	546,088	15.71%
4200	Fringe Benefits	14,619,835	14,593,905	17,904,489	18,441,694	3.00%	20,360,480	10.40%
	Personnel Services	37,239,196	37,689,067	41,993,595	41,827,074	-0.40%	45,105,349	7.84%
4500	Fees & Subscriptions	390,132	408,280	428,298	855,331	99.70%	558,312	-34.73%
5200	Communications	386,863	426,227	450,090	518,718	15.25%	516,718	-0.39%
5400	Taxes, Fees & Licenses	864,373	800,517	979,787	979,285	-0.05%	1,099,095	12.23%
5500	Insurance	1,141,719	1,849,921	1,650,000	1,250,000	-24.24%	1,260,000	0.80%
5600	Misc Expenses	685,741	238,680	591,825	849,675	43.57%	846,675	-0.35%
	General & Admin	3,468,828	3,723,625	4,100,000	4,453,009	8.61%	4,280,800	-3.87%
4600	Supplies	446,273	401,315	394,856	535,196	35.54%	535,808	0.11%
4700	Materials	684,701	616,249	675,144	813,165	20.44%	817,665	0.55%
4900	Chemicals	1,042,879	958,753	930,000	1,036,176	11.42%	1,080,612	4.29%
5000	Water Purchases	6,720,104	5,732,110	6,200,000	6,363,399	2.64%	6,674,509	4.89%
	Materials & Supplies	8,893,957	7,708,427	8,200,000	8,747,936	6.68%	9,108,594	4.12%
5100	Automotive	141,659	66,099	370,000	600,700	62.35%	600,700	0.00%
5800	Construction Contracts	583,371	743,086	470,000	840,000	78.72%	840,000	0.00%
5900	Equipment Rental	177,796	173,779	260,704	262,160	0.56%	263,126	0.37%
6000	Conservation Rebates	237,563	332,052	300,000	499,500	66.50%	599,500	20.02%
6200	Professional Fees	1,698,028	1,310,742	1,135,151	2,109,081	85.80%	2,245,910	6.49%
6300	Repair & Maintenance	1,409,756	1,547,775	1,752,793	2,028,641	15.74%	2,291,312	12.95%
6500	Small Tools & Equipment	75,670	101,960	111,352	121,525	9.14%	119,450	-1.71%
6600	Utilities	3,304,675	3,379,588	3,800,000	3,868,063	1.79%	4,000,361	3.42%
	Operations	7,628,519	7,655,082	8,200,000	10,329,670	25.97%	10,960,359	6.11%
5300	Debt Service	6,726,440	6,878,665	6,483,680	9,421,976	45.32%	10,200,976	8.27%
9999	Allocation to Capital	(2,993,231)	(2,682,778)	(2,846,353)	(3,327,320)	16.90%	(3,327,320)	0.00%
		3,733,209	4,195,887	3,637,327	6,094,656	67.56%	6,873,656	12.78%
	Total Operating Fund	60,963,710	60,972,087	66,130,922	71,452,345	8.05%	76,328,758	6.82%
	Total Capital and Fire Flow Funds	23,769,951	19,530,178	24,062,200	34,365,863	42.82%	35,849,440	4.32%
	Total Operating, Capital and Fire Flow Funds	\$ 84,733,661	\$ 80,502,266	\$ 90,193,123	\$ 105,818,208	17.32%	\$ 112,178,198	6.01%

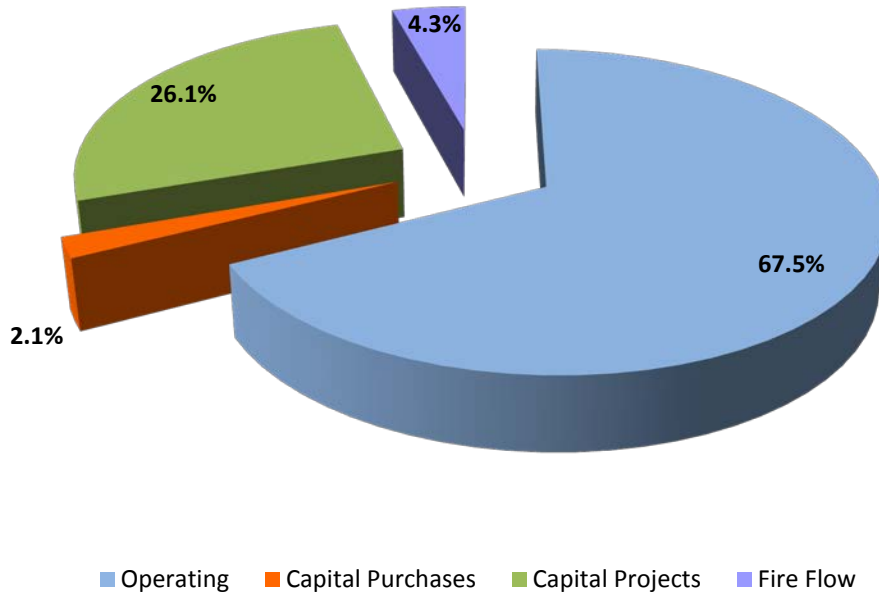
MARIN MUNICIPAL WATER DISTRICT
FY 2018 - 2022 CAPITAL EXPENDITURE BUDGET
 Budget (\$1,000's)

CIP BUDGET CATEGORY	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
Transmission & Distribution	\$ 16,880	\$ 18,420	\$ 22,025	\$ 18,155	\$ 20,180	\$ 95,660
Treatment Plants	3,930	2,365	9,850	9,120	3,440	28,705
Storage Facilities	850	1,900	5,927	6,414	6,680	21,771
Watershed	6,371	6,629	5,820	4,750	1,450	25,020
Communications	1,835	2,035	535	535	700	5,640
Fire Flow	4,500	4,500	4,500	4,500	4,500	22,500
GRAND TOTAL CAPITAL PROGRAM	\$ 34,366	\$ 35,849	\$ 48,657	\$ 43,474	\$ 36,950	\$ 199,296
SOURCES OF FUNDING						
Fire Flow Fee	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 22,500
Connection Charges	700	700	700	700	700	3,500
Transfer-In for Pay-As-You-Go from Operating Reserve	6,000	2,000	5,000	3,000	3,000	19,000
Grants - Reimbursable	1,338	5,518	3,900	3,300	300	14,356
Reimbursable Project	1,880	1,880	1,880	1,880	1,880	9,400
SRF - Treatment Plant Seismic and Reliability Upgrades	-	-	9,650	8,920	3,240	21,810
Revenue Bonds - New - Project Fund	19,948	21,251	23,027	21,174	23,330	108,730
TOTAL FUNDING	\$ 34,366	\$ 35,849	\$ 48,657	\$ 43,474	\$ 36,950	\$ 199,296
District Capital Reserve - Beginning						
including Fire Flow Reserve	\$ 2,769	\$ 24,220	\$ 2,969	\$ 23,942	\$ 2,768	
Capital Contributions and Fire Flow Fees	8,418	12,598	10,980	10,380	7,380	
Total Available Funds	11,187	36,818	13,949	34,322	10,148	
Less Capital Expenditures & Fire Flow Project Expenditures	(34,366)	(35,849)	(48,657)	(43,474)	(36,950)	
Add Transfer-In from Operating for Pay-As-You-Go	6,000	2,000	5,000	3,000	3,000	
Add Proceeds from State Revolving Loan			9,650	8,920	3,240	
Add Proceeds from Bonds	41,399	-	44,000	-	36,600	
District Capital Reserve - Ending	\$ 24,220	\$ 2,969	\$ 23,942	\$ 2,768	\$ 16,038	

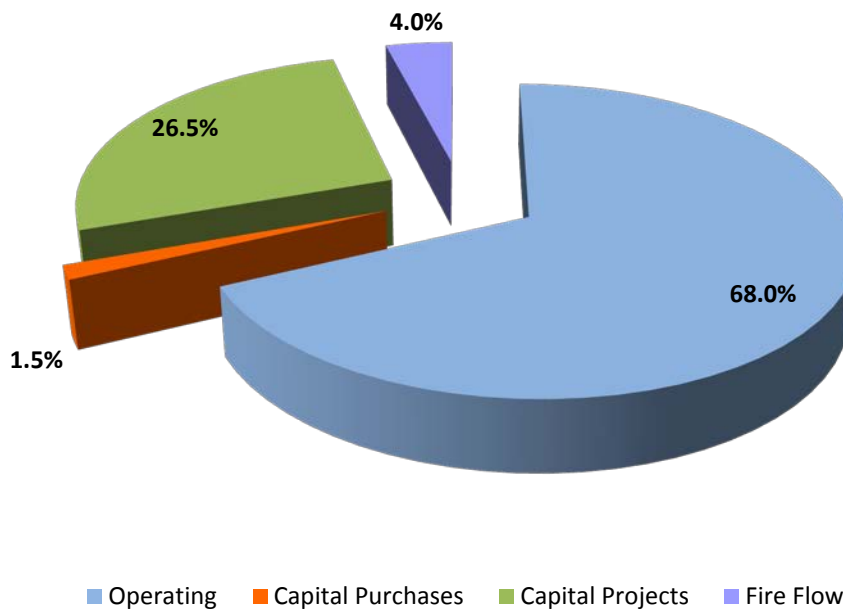
MARIN MUNICIPAL WATER DISTRICT
Comparative Revenues
Operating, Capital and Fire Flow Funds
Year Ending June 30th

Description	Actual 2015	Actual 2016	Estimated 2017	Proposed 2018	Proposed 2019
Operating Fund					
Water Sales:					
Water Sales	47,239,262	44,206,307	45,000,000	52,214,248	52,214,248
Service Charge	9,878,268	11,996,081	16,484,000	17,912,475	17,912,475
Watershed Protection Fee	-	1,244,800	3,818,000	4,235,621	4,235,621
Total Water Sales	<u>57,117,530</u>	<u>57,447,187</u>	<u>65,302,000</u>	<u>74,362,344</u>	<u>74,362,344</u>
Other Revenues:					
Rents and Royalties	632,496	605,727	680,000	700,000	740,000
Late Payment Charge	201,481	184,627	180,000	200,000	200,000
Special Read Charge	150,272	153,785	150,000	160,000	170,000
Grants	865,443	245,335	250,000	250,000	250,000
Watershed Payments	359,112	391,644	400,000	400,000	420,000
Watershed Rents and Royalties	912,851	908,480	910,000	910,000	920,000
Miscellaneous	43,133	733,120	230,000	697,000	750,000
Total Other Revenues	<u>3,164,788</u>	<u>3,222,718</u>	<u>2,800,000</u>	<u>3,317,000</u>	<u>3,450,000</u>
Interest Revenue	156,393	214,316	250,000	250,000	250,000
Total Operating Fund	<u>60,438,711</u>	<u>60,884,221</u>	<u>68,352,000</u>	<u>77,929,344</u>	<u>78,062,344</u>
Capital and Fire Flow Funds					
Other Revenues:					
Connection Charges	969,356	1,603,209	750,000	1,865,000	1,865,000
Interest Income	15,000	15,000	15,000	15,000	15,000
Total Other Revenues	<u>984,356</u>	<u>1,618,209</u>	<u>765,000</u>	<u>1,880,000</u>	<u>1,880,000</u>
Contributed Capital:					
Fire Flow	4,511,604	4,511,652	4,500,000	4,500,000	4,500,000
Connection Fees	1,236,579	791,793	700,000	700,000	700,000
Capital Grants	32,471	271,264	1,000,000	1,338,000	5,518,000
Total Contributed Capital	<u>5,780,654</u>	<u>5,574,709</u>	<u>6,200,000</u>	<u>6,538,000</u>	<u>10,718,000</u>
Total Capital and Fire Flow Funds	<u>6,765,010</u>	<u>7,192,918</u>	<u>6,965,000</u>	<u>8,418,000</u>	<u>12,598,000</u>
Total Revenues	<u>67,203,720</u>	<u>68,077,139</u>	<u>75,317,000</u>	<u>86,347,344</u>	<u>90,660,344</u>

Total Expenditures Budget FY 2018
\$105,818,208

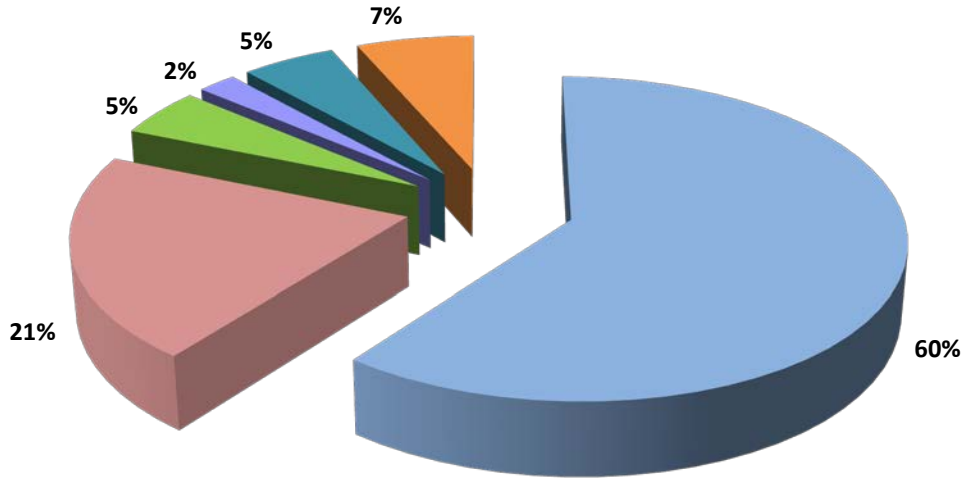


Total Expenditures Budget FY 2019
\$112,178,198



Total Revenues FY 2018

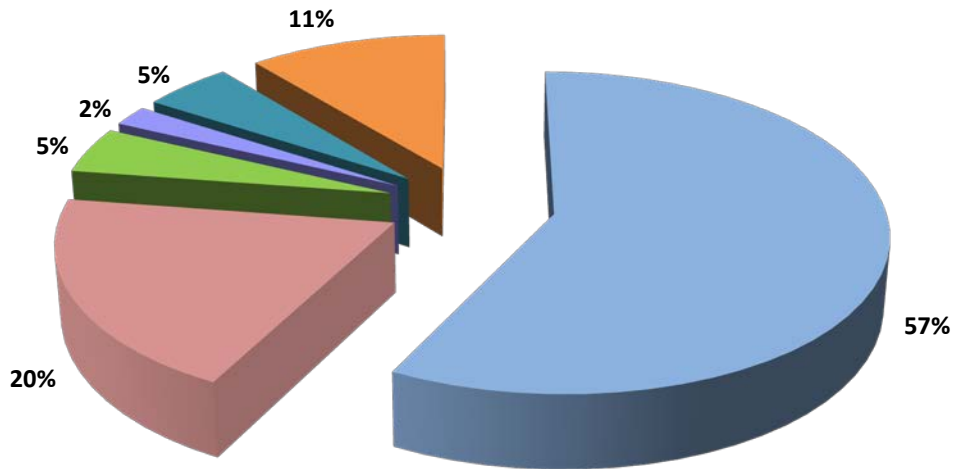
\$86,347,344



■ Water Sales ■ Service Charges ■ Watershed Fees ■ Connections Fees ■ Fire Flow ■ Other Revenue

Total Revenues FY 2019

\$90,660,344



■ Water Sales ■ Service Charges ■ Watershed Fees ■ Connections Fees ■ Fire Flow ■ Other Revenue

Marin Municipal Water District

EXPENSES BY FUNCTION

Last twelve fiscal years, including projection for fiscal 2018 & 2019

Year Ended June 30	(1) Total	Finance & Administration	Engineering & Environmental Services	Facility & Watershed
2005	\$ 78,382,877	30,324,761	36,132,970	11,925,146
2006	\$ 77,595,405	26,236,245	37,511,208	13,847,952
2007	\$ 78,190,795	27,958,678	36,553,615	13,678,502
2008	\$ 79,006,918	29,083,716	36,896,489	13,026,713
2009	\$ 89,197,957	31,831,289	42,462,362	14,904,307
2010	\$ 87,069,705	34,835,637	39,085,421	13,148,647
2011	\$ 83,334,971	41,761,051	29,901,108	11,672,812
2012	\$ 79,391,307	40,636,848	27,100,883	11,653,576
2013	\$ 89,244,978	44,753,795	31,941,155	12,550,028
2014	\$ 91,800,210	48,229,588	30,760,081	12,810,541
2015	\$ 84,733,661	32,885,436	36,538,352	15,309,873
2016	\$ 80,502,266	32,355,720	32,624,270	15,522,276
2017	(3) \$ 90,193,122	25,336,913	47,484,230	17,371,979
2018	(2) \$ 105,818,208	33,967,338	52,011,426	19,839,444
2019	(2) \$ 112,178,198	35,832,095	54,986,020	21,360,083

- (1) Includes capitalized expenditures, depreciation and amortization.
- (2) Proposed budget with depreciation and amortization for comparison purposes.
- (3) Approved budget with depreciation and amortization for comparison purposes.

Marin Municipal Water District

REVENUE BY SOURCE

Last eleven fiscal years, including projections for fiscal 2018 & 2019

Year Ended June 30	Total	Water Sales	Service Charge	Connection Charges	Watershed Management Fee	Interest Income	Fire Flow Parcel Fee	Other
2005	53,827,306	35,106,514	7,432,686	1,183,221		3,154,354	4,493,532	2,457,502
2006	54,210,388	35,288,474	7,463,215	1,384,544		2,698,064	4,501,377	2,941,692
2007	61,966,512	39,462,839	7,559,438	2,404,381		2,488,169	4,507,996	5,543,689
2008	63,196,220	41,305,864	7,845,377	1,371,798		2,134,914	4,510,433	6,027,834
2009	63,134,332	42,628,226	8,173,977	2,748,427		1,380,137	4,502,860	3,700,705
2010	61,703,446	41,557,677	8,553,515	1,311,139		440,623	4,467,137	5,373,355
2011	63,506,733	45,101,916	8,867,457	1,009,829		237,886	4,483,662	3,805,983
2012	66,837,996	48,069,979	9,207,815	1,034,656		124,337	4,523,329	3,877,880
2013	74,641,897	55,125,168	9,805,521	737,597		132,261	4,540,389	4,300,961
2014	76,536,722	54,840,298	9,837,195	1,705,549		147,055	4,524,178	5,482,447
2015	67,203,721	47,239,262	9,878,268	969,356		171,393	4,511,604	4,433,838
2016	68,077,139	44,206,306	11,996,081	1,603,209	1,244,800	229,316	4,511,652	4,285,775
2017	75,317,000	45,000,000	16,484,000	750,000	3,818,000	15,000	4,500,000	4,750,000 b
2018	86,347,344	52,214,248	17,912,475	1,865,000	4,235,621	15,000	4,500,000	5,605,000 c
2019	90,660,344	52,214,248	17,912,475	1,865,000	4,235,621	15,000	4,500,000	9,918,000 c

b Projected

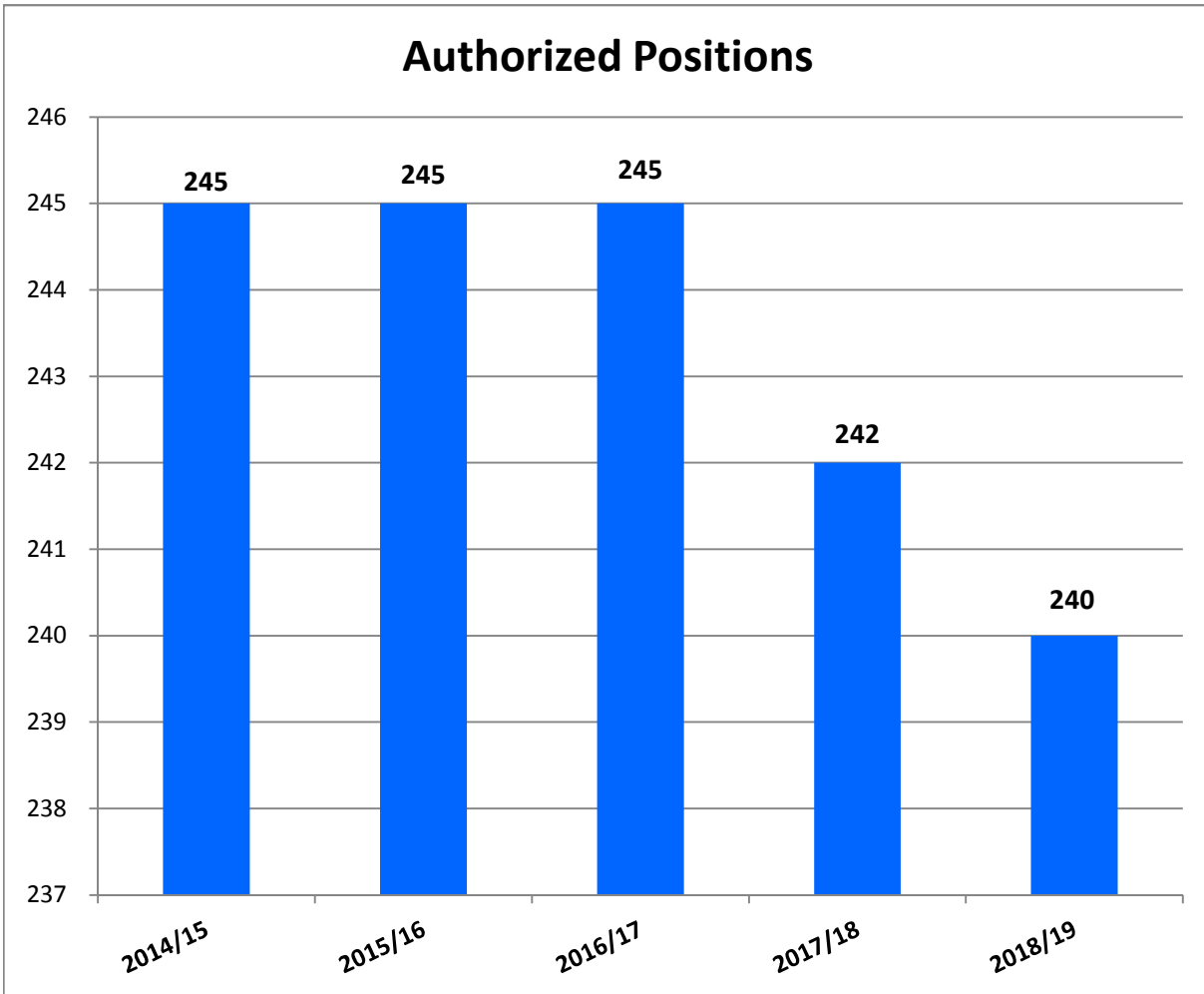
c Proposed budget

MARIN MUNICIPAL WATER DISTRICT
Fund Balance
Year Ending June 30th

	Actual 2015	Actual 2016	Estimated 2017	Proposed 2018	Proposed 2019
Operating Fund					
Opening Reserves	\$ 21,026,900	\$ 19,959,569	\$ 16,947,254	\$ 17,918,332	\$ 18,395,330
Total Revenue	<u>60,438,711</u>	<u>60,884,221</u>	<u>68,352,000</u>	<u>77,929,344</u>	<u>78,062,344</u>
Total Available Funds	81,465,610	80,843,791	85,299,254	95,847,676	96,457,674
Less Operating Expenses	(60,963,710)	(60,972,088)	(66,130,922)	(71,452,346)	(76,328,758)
Less Transfer to Capital	-	-	(250,000)	(6,000,000)	(2,000,000)
Less Transfer to Rate Stabilization			(1,000,000)		
Accrual adjustments	<u>(542,331)</u>	<u>(2,924,449)</u>	<u>-</u>	<u>-</u>	<u>-</u>
Ending Reserves	<u>\$ 19,959,569</u>	<u>\$ 16,947,254</u>	<u>\$ 17,918,332</u>	<u>\$ 18,395,330</u>	<u>\$ 18,128,916</u>
Capital Fund					
Opening Reserves	\$ 47,305,458	\$ 30,044,160	\$ 18,974,590	\$ 2,112,390	\$ 23,563,527
Total Revenue	<u>2,200,119</u>	<u>2,666,266</u>	<u>2,450,000</u>	<u>3,918,000</u>	<u>8,098,000</u>
Total Available Funds	49,505,577	32,710,426	21,424,590	6,030,390	31,661,527
Less Capital Improvements	(19,188,067)	(13,442,443)	(18,034,000)	(27,671,000)	(29,684,000)
Less Capital Purchase		(1,101,390)	(1,528,200)	(2,194,863)	(1,665,440)
Add Transfer from Operating	-	-	250,000	6,000,000	2,000,000
Add Proceeds from Loans/Bonds	-			41,399,000	
Accrual adjustments	<u>(273,350)</u>	<u>807,997</u>	<u>-</u>	<u>-</u>	<u>-</u>
Ending Reserves	<u>\$ 30,044,160</u>	<u>\$ 18,974,590</u>	<u>\$ 2,112,390</u>	<u>\$ 23,563,527</u>	<u>\$ 2,312,087</u>
Fire Flow Fund					
Opening Reserves	\$ 1,736,459	\$ 1,939,529	\$ 656,839	\$ 656,839	\$ 656,839
Total Revenue	<u>4,511,604</u>	<u>4,511,652</u>	<u>4,500,000</u>	<u>4,500,000</u>	<u>4,500,000</u>
Total Available Funds	6,248,063	6,451,181	5,156,839	5,156,839	5,156,839
Less Fire Flow Projects	(4,308,534)	(5,794,342)	(4,500,000)	(4,500,000)	(4,500,000)
Ending Reserves	<u>\$ 1,939,529</u>	<u>\$ 656,839</u>	<u>\$ 656,839</u>	<u>\$ 656,839</u>	<u>\$ 656,839</u>
Summary					
	Actual 2015	Actual 2016	Estimated 2017	Proposed 2018	Proposed 2019
Restricted	\$ 9,501,989	\$ 9,327,468	\$ 9,391,839	\$ 9,407,099	\$ 9,375,469
Board Designated	11,491,220	9,441,758	\$ 10,188,934	\$ 10,373,971	\$ 10,001,554
Rate Stabilization Fund	5,900,000	5,700,000	6,700,000	6,700,000	6,700,000
Fire Flow Fund	1,939,529	656,839	656,839	656,839	656,839
Capital (including bond proceeds)	30,044,160	18,974,590	2,112,390	23,563,527	2,312,087
Unrestricted - Operating	<u>19,959,569</u>	<u>16,947,254</u>	<u>17,918,332</u>	<u>18,395,330</u>	<u>18,128,916</u>
Total	<u>\$ 78,836,468</u>	<u>\$ 61,047,909</u>	<u>\$ 46,968,334</u>	<u>\$ 69,096,766</u>	<u>\$ 47,174,865</u>
Months Reserve	4	3	3	3	3
Debt Coverage Ratio	1.28	1.25	1.30	1.89	1.35

FULL TIME PERMANENT POSITIONS

	<u>2016/17</u>	<u>2017/18</u>	<u>2018/19</u>
Beginning Total	245	242	240
Total Requested Full Time Permanent Positions	245	242	240



**Marin Municipal Water District
SUMMARY OF CURRENT WATER RATES
Effective July 1, 2017**

Rates cover the cost of water transmission, treatment, distribution, watershed maintenance, importing water, and recycling water. Billing unit of water is equal to 100 cubic feet (CCF), or 748 gallons.

Rate per TIERED WATER RATES (\$/CCF)	Winter (Dec - May) _____ (CCF)	Summer (June - Nov.) _____ (CCF)
Single-Family		
Tier 1.....	\$ 4.07	0-21
Tier 2.....	7.13	22-48
Tier 3.....	12.07	49-80
Tier 4.....	19.45	81 and over
		0-26
		27-59
		60-99
		100 and over
Single-Family with two legal living units and duplexes		
Tier 1.....	\$ 4.10	0-18
Tier 2.....	7.24	19-35
Tier 3.....	12.02	36-68
Tier 4.....	18.90	69 and over
		0-18
		19-35
		36-68
		69 and over
Multi-Family (per dwelling unit)		
Tier 1.....	\$ 4.16	0-10
Tier 2.....	7.07	11-18
Tier 3.....	11.25	19-26
Tier 4.....	18.94	27 and over
		0-10
		11-18
		19-26
		27 and over
Business, Institutional and Irrigation Customers (% of baseline)		
Tier 1.....	\$ 3.98	0-85%
Tier 2.....	10.82	86-150%
Tier 3.....	16.26	over 150%
		0-85%
		86-150%
		over 150%
Recycled Water Customers (% of baseline)		
Tier 1.....	\$ 3.17	0-100%
Tier 2.....	10.05	101-150%
Tier 3.....	18.73	over 150%
		0-100%
		101-150%
		over 150%

The bi-monthly service charge is based on meter size and covers the cost of meter reading and billing, customer service, meter replacement and repair, water conservation, and administration. The bi-monthly watershed management fee covers a partial cost of watershed maintenance.

Meter Size	Bi-Monthly Service Charge	Bi-Monthly Watershed Management Fee
5/8"	\$ 36.79	\$ 9.78
3/4"	46.62	11.69
1"	66.28	15.50
1-1/2"	115.43	25.02
2"	174.41	36.45
3"	361.18	72.65
4"	636.42	125.99
6"	1,393.33	272.67
8"	2,376.33	463.17
10"	3,752.53	729.87

MARIN MUNICIPAL WATER DISTRICT

WATER SALES IN DOLLARS BY CUSTOMER CLASS					
	2012	2013	2014	2015	2016
Total Unadjusted Water Sales	47,978,928	56,646,589	57,294,451	49,346,224	42,365,261
Residential (unadjusted)	36,029,779	42,449,883	43,046,979	36,437,197	30,824,785
Non-Residential (unadjusted)	11,949,149	14,196,706	14,247,472	12,909,027	11,540,476

PERCENTAGE CONTRIBUTION OF WATER SALES REVENUES BY CLASS OF USER					
Unadjusted	2012	2013	2014	2015	2016
Residential	75.1%	74.9%	75.1%	73.8%	72.8%
Non-Residential	24.9%	25.1%	24.9%	26.2%	27.2%

USAGE IN CCFs OF WATER SALES REVENUES BY CLASS OF USER					
Unadjusted	2012	2013	2014	2015	2016
Residential	7,548,374	8,008,357	8,083,031	7,152,114	6,338,578
Non-Residential	2,760,324	2,994,811	2,976,734	2,753,566	2,510,866
TOTAL	10,308,698	11,003,168	11,059,765	9,905,680	8,849,444

AVERAGE NUMBER OF TOTAL CUSTOMERS BY CLASS					
Unadjusted	2012	2013	2014	2015	2016
Total Customers	58,447	58,431	58,610	58,545	57,726
Residential	54,457	54,472	54,625	54,603	53,822
Non-Residential	3,990	3,959	3,985	3,942	3,904



MARIN MUNICIPAL WATER DISTRICT

DIVISIONAL SUMMARIES

BOARD OF DIRECTORS

The five-member elected Board of Directors oversees all District operations. It adopts ordinances, resolutions, and policies that provide staff with the necessary guidance to perform efficient and effective services to Marin Municipal Water District consumers.

Mission Statement

To manage our natural resources in a sustainable manner and to provide our customers with reliable, high-quality water at a reasonable price.

Vision

To be one of the finest and most respected water providers in the world

Values

- Promote environmental stewardship and sustainability
- Conduct business with integrity and in an ethical manner
- Ensure fair, open and responsive interactions with MMWD customers and other members of public
- Promote diversity in and equitable treatment of our employees
- Provide a healthy work environment
- Work cooperatively with other public agencies and groups
- Treat all individuals with fairness, dignity and respect
- Continuously improve through the promotion of initiative, leadership, personal development and training
- Exercise responsible financial management

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPEDITURES
BOARD OF DIRECTORS 1110
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees	48,546	58,464	45,000	75,440	77,200
4195	Contract Help					
4200	Fringe Benefits	76,285	84,505	88,000	77,760	81,340
	Personnel Services	\$ 124,831	\$ 142,969	\$ 133,000	\$ 153,200	\$ 158,540
4500	Fees & Subscriptions	7,924	5,753	6,165	6,325	6,325
5200	Communications & Freight	1,148	2,281	2,800	2,800	2,800
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-	100	100	100
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 9,072	\$ 8,034	\$ 9,065	\$ 9,225	\$ 9,225
4600	Supplies					
4700	Materials	-	-	-	-	-
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment	363	-	-	-	-
6600	Utilities	-	-	-	-	-
	District Operations	\$ 363	\$ -	\$ -	\$ -	\$ -
	Total Operating Expenses	\$ 134,265	\$ 151,003	\$ 142,065	\$ 162,425	\$ 167,765
8000	Capital Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenditures	\$ 134,265	\$ 151,003	\$ 142,065	\$ 162,425	\$ 167,765

LEGAL DEPARTMENT

Mission Statement

The Legal Division's mission is to provide advice and counsel to the Board of Directors, General Manager and staff.

Key Responsibilities

- Provide timely, objective, legal advice to Board of Directors, General Manager and staff.
- Work preventatively, to the extent possible, in providing counsel to the Board of Directors, General Manager and staff.
- Manage outside counsel in a cost effective manner.

Action Plan and Key Measures of Success

AP1: Provide advice and counsel to the Board, General Manager and staff on legal issues.

Key Measure of Success Provide legal advice/options in a timely fashion.

AP2: Manage outside counsel.

Key Measure of Success Direct outside counsels' work in a cost effective manner.

Accomplishments

1. Provided legal advice and counsel to the Board, General Manager and staff on water supply agreements, litigation and claims, the 2016 cost of service analysis and rate restructure ordinance, bond refunding and real estate matters.
2. Litigated lawsuits and processed, adjusted and settled liability claims.
3. Drafted and/or reviewed multiple mutual benefit agreements, multi-agency agreements, grant agreements and miscellaneous agreements.
4. Advised staff on options for resolving employment matters.
5. Provided advice and counsel to the General Manager, Board and staff on junior accessory dwelling units, conservation and gray water ordinances and regulatory compliance.

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES**

LEGAL 1210

YEAR ENDING JUNE 30th

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	318,591	295,177	317,771	426,618	447,225
4110	Overtime	330	2,096	2,000	3,000	3,000
4190	Temporary	-	15,820	-	-	-
4170	Director Fees					
4195	Contract Help	-	507	-	-	-
4200	Fringe Benefits	137,153	135,838	166,565	274,883	303,284
	Personnel Services	\$ 456,074	\$ 449,438	\$ 486,337	\$ 704,501	\$ 753,508
4500	Fees & Subscriptions	14,307	15,032	20,780	25,000	25,000
5200	Communications & Freight	129	63	1,100	200	200
5300	Debt Service					
5400	Taxes, Fees & Licenses	152	-	-	-	-
5500	Insurance					
5600	Misc Expenses	2	-	300	300	300
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 14,590	\$ 15,095	\$ 22,180	\$ 25,500	\$ 25,500
4600	Supplies	2,621	3,765	3,200	7,000	7,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 2,621	\$ 3,765	\$ 3,200	\$ 7,000	\$ 7,000
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	99,948	41,582	469,000	322,000	322,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 99,948	\$ 41,582	\$ 469,000	\$ 322,000	\$ 322,000
	Total Operating Expenses	\$ 573,234	\$ 509,880	\$ 980,717	\$ 1,059,001	\$ 1,108,008
8000	Capital Expenditures	\$ -	\$ -	\$ 553	\$ 2,500	\$ 2,500
	Total Expenditures	\$ 573,234	\$ 509,880	\$ 981,269	\$ 1,061,501	\$ 1,110,508

GENERAL MANAGER

Mission Statement

The mission of the Office of the General Manager is to provide overall direction, leadership and coordination of District and department activities; and to ensure that the most efficient and effective services possible are provided within the policies established by the District's Board of Directors and the resources authorized.

Key Responsibilities

- Maintain an adequate water supply of high quality, which meets or exceeds Federal and State potable and reclaimed water standards through the operation and maintenance of a reliable water system in a manner capable of storing and delivering high quality water to users
- Manage the watershed and streams of the District in an environmentally sound and cost-efficient manner
- Continued implementation of the Water Conservation Master Plan, Long Range Capital and Financial Plans
- Assist and direct staff in interpreting and implementing policy, facilitate communication in support of accomplishing district goals and creating an effective and efficient working environment
- Monitor and control resources so that the District is operated in a responsible, legal and cost-efficient manner
- Direct the preparation of and submit proposed operating and capital budgets for approval, and plans for intermediate and long-term organizational and capital improvements
- Ensure that all ordinances, codes and policies are equitably enforced
- Continue to attract, retain and train capable employees, to compensate them in accordance with their abilities, and to give them opportunities for advancement within the District
- Represent the District to the community as appropriate

GOAL: Financial Stewardship - We will prudently manage the public resources entrusted to us

Strategy: Ensure cost-effective and efficient business processes

1. Develop an inclusive MMWD process for re-engineering business processes and encourage a "re-engineering environment" for processes at all levels of the organization
2. Complete, at minimum, one re-engineering exercise annually

GOAL: Communications - We will partner with our community, customers, and staff to understand & reflect their interests and clearly articulate the programs & policies of Marin Municipal Water District

Strategy: Support the Board of Directors to facilitate informed policy/decision-making

1. Support Board and committee meetings
2. Optimize effectiveness of Board calendar
3. Organize Board workshops and/or identify key outside educational opportunities to convey Board information on key policies or issues

Strategy: Ensure that MMWD's local, state and federal officials understand MMWD water issues

1. Advocate for MMWD water issues by conducting timely and consistent briefings with key legislators/staff
2. Track and engage on regulations/legislation and other administrative actions that may impact MMWD
3. Coordinate with legislators to maximize funding opportunities for MMWD
4. Build coalitions to support MMWD water positions

Strategy: Ensure all MMWD staff is informed on District priorities and activities and that internal communication between divisions and individuals is effective, clear, and open

1. Develop and implement a structure to consistently convey Board actions and rationales to staff
2. Continue and promote forums to foster open staff communications
3. Ensure that Divisions and individual staff members work cooperatively with each other and are responsive to and mindful of each other's requests and timelines (always being aware of the bigger MMWD picture)

GOAL: Workforce - We will maintain a diverse, highly-qualified and trained, motivated and productive workforce to achieve MMWD's goals

Strategy: Attract and retain a high quality efficient workforce to achieve MMWD's strategic goals

1. Optimize MMWD organization structure to improve effectiveness and productivity

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
GENERAL MANAGER 2010
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	419,570	376,145	453,564	341,245	359,610
4110	Overtime	3,019	6,228	4,500	4,500	4,500
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	156,750	154,939	220,005	206,370	228,958
	Personnel Services	\$ 579,338	\$ 537,312	\$ 678,069	\$ 552,115	\$ 593,068
4500	Fees & Subscriptions	9,153	7,210	4,140	5,000	5,000
5200	Communications & Freight	-	-	500	-	-
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	960	9,937	2,000	2,500	2,500
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 10,113	\$ 17,147	\$ 6,640	\$ 7,500	\$ 7,500
4600	Supplies	743	1,212	1,000	1,200	1,200
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 743	\$ 1,212	\$ 1,000	\$ 1,200	\$ 1,200
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	1,400	(427)	2,000	2,500	2,500
6000	Rebates & Backflow					
6200	Professional Fees	-	773	2,000	6,500	6,500
6300	Repair & Maintenance	-	-	4,000	-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 1,400	\$ 346	\$ 8,000	\$ 9,000	\$ 9,000
	Total Operating Expenses	\$ 591,594	\$ 556,017	\$ 693,709	\$ 569,815	\$ 610,768
8000	Capital Expenditures	\$ -	\$ -	\$ -	\$ 1,000	\$ -
	Total Expenditures	\$ 591,594	\$ 556,017	\$ 693,709	\$ 570,815	\$ 610,768

Administrative Services Division

Mission Statement

The mission of the Administrative Services Division is to provide accurate and timely financial information for projecting, comparing and evaluating the District's financial performance; provide the highest quality customer service to the District's 60,000+ customers; ensure customers are billed accurately and correctly; ensure the procurement of goods and services at the most reasonable price; maintain a meter accuracy program through testing, repair and replacements of meters; recruit and train, a qualified, motivated, workforce and administer the District's benefit and salary program; install, operate, and maintain efficient, cost effective, user friendly computer based tools allow staff to operate in a competitive manner; and promote the beneficial use of water by all customers in order to maximize available resources and protect the natural environment.

Key Responsibilities

- Provide quality financial management services, guidance and analytical support to the Board, General Manager, Senior Management and District staff.
- Manage and coordinate the District budget process.
- Monitor all debt financing obligations for timely payment and reporting.
- Manage the District's investment portfolio and directing investments adhering to the District's Investment Policy.
- Support the procurement of goods and services from order to payment ensuring competitive pricing, accurate billing and timely payment to vendors.
- Process employee compensation in accordance with labor agreements and state and federal laws.
- Direct and administer customer billing, an effective account payment and collection program and other customer support providing the highest level of customer service.
- Investigate, maintain, repair and replace meters to insure accuracy for proper revenue generation.
- Use effective recruitment and selection strategies to attract qualified candidates.
- Develop training programs to meet District's needs.
- Provide technology based solutions and services for business applications, communication, disaster recovery, geospatial analysis, project management, reporting, and provide ongoing support and enhancements to enterprise application software systems.
- Maintain the existing hardware, operating systems, and databases for PC's, mobile devices, printers, servers, storage, and networks.
- Provide education to schools and the public on a variety of water saving measures, such as drought tolerant planting and high-efficiency devices for indoor and outdoor water use.
- Promote water conservation incentives to the community, through rebates and grant sponsored programs and ensure conservation code compliance.

GOAL: Financial Stewardship - We will prudently manage the public resources entrusted to us

Strategy: Ensure financial planning is sufficient to address District needs and risks

1. Develop a long range finance plan to support the strategic review including potential new sources of revenue and policies related to debt financing, investment, reserves, and OPEB funding

Strategy: Ensure financial activities are transparent and reporting is accurate

1. Continue to obtain unqualified audit every year
2. Prepare and submit a monthly investment and financial report (Treasurers report) for Board review

Strategy: Use technology to drive business process effectiveness and efficiency

1. Leverage the equipment and facility software to facilitate management decision-making
2. Evaluate AMR/AMI and make a decision re: implementation
3. Develop drought billing system
4. Evaluate and implement promising GIS capability
5. Evaluate and implement expanded use of mobile computing in the field and expand use of global positioning systems
6. Develop databases to streamline reporting, track water savings, and facilitate quality control measures

Strategy: Review and improve procurement processes

1. Consider life cycle cost in all procurement decisions and update replacement policies
2. Engage key users in procurement decisions

Strategy: Plan and prepare for catastrophic emergencies (e.g. earthquake, fire etc.)

1. Pursue grant opportunities to enhance preparedness

GOAL: Communications - We will partner with our community, customers, and staff to understand & reflect their interests and clearly articulate the programs & policies of Marin Municipal Water District

Strategy: Improve the customer experience

1. Conduct an assessment of current customer service systems and policies to streamline and improve the customer experience (e.g. online bill paying or posting)
2. Provide transparent and easy public access to MMWD financial information

GOAL: Workforce – We will maintain a diverse, highly qualified and trained, motivated and productive workforce to achieve MMWDs goals.

Strategy: Attract and retain a high quality efficient workforce to achieve MMWD’s strategic goals

1. Identify and fill available vacancies with qualified candidates within agreed-upon timeframes.
2. Administer and maintain a viable benefits and pay structure.

Strategy: Ensure that the workforce understands human resources policies

1. Prepare an updated Policy and Procedure resource; work with qualified outside consultant and District departments to review District policies and bring to current status.

GOAL: Environmental Stewardship - We will serve the community and manage the environmental assets entrusted to us for the benefit of present and future generations

Strategy: Reduce MMWD carbon footprint

1. Adopt paperless business processes

GOAL: Water Supply Resiliency - We will maintain a level of reliability that supports MMWD’s customers’ needs, our community’s quality of life and the local economy

Strategy: Emphasize Water Use Efficiency as a core water resource element for MMWD

1. Develop water conservation to meet the State 20% by 2020 target
2. Implement new conservation programs to achieve targets established by the Water Conservation Master Plan
3. Participate in the development and adoption of new water use efficiency legislation, ordinances and practices
4. Maintain or enhance educational programs that improve residential, commercial and industrial water efficiency performance
5. Review conservation performance parameters and evaluate existing programs to ensure cost-effectiveness

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ADMINISTRATIVE SERVICES DIVISION
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	\$ 5,276,340	\$ 5,459,314	\$ 5,762,457	\$ 5,967,794	\$ 6,292,718
4110	Overtime	50,352	78,747	62,000	59,100	61,100
4190	Temporary	15,463	6,995	38,714	20,500	20,500
4170	Director Fees	-	-	-	-	-
4195	Contract Help	91,149	12,429	69,000	41,500	41,500
4200	Fringe Benefits	2,384,084	2,578,550	3,226,973	4,466,856	4,920,949
	Personnel Services	\$ 7,817,389	\$ 8,136,034	\$ 9,159,144	\$ 10,555,750	\$ 11,336,767
4500	Fees & Subscriptions	59,609	56,085	69,584	69,140	69,140
5200	Communications & Freight	261,246	276,890	289,057	355,000	352,900
5300	Debt Service	-	-	-	-	-
5400	Taxes, Fees & Licenses	412,980	358,749	369,175	388,750	388,750
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	104,700	112,870	125,316	159,675	156,675
5700	Depreciation/Amortization	-	-	-	-	-
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 838,535	\$ 804,594	\$ 853,132	\$ 972,565	\$ 967,465
4600	Supplies	92,936	65,437	120,492	93,500	90,000
4700	Materials	111,854	79,832	167,500	175,000	186,000
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 204,790	\$ 145,269	\$ 287,992	\$ 268,500	\$ 276,000
5100	Automotive	(7,355)	(6,295)	-	7,200	7,200
5800	Construction Contracts	-	-	-	-	-
5900	Equipment Rental	29,098	29,474	41,150	34,600	34,600
6000	Rebates & Backflow	237,563	332,052	929,500	499,500	599,500
6200	Professional Fees	562,517	411,303	621,172	502,131	363,660
6300	Repair & Maintenance	469,207	482,697	497,520	562,550	577,850
6500	Small Tools & Equipment	4,044	2,612	8,694	8,150	8,150
6600	Utilities	-	-	-	-	-
	District Operations	\$ 1,295,074	\$ 1,251,844	\$ 2,098,036	\$ 1,614,131	\$ 1,590,960
	Total Operating Expenses	\$ 10,155,788	\$ 10,337,741	\$ 12,398,304	\$ 13,410,946	\$ 14,171,192
8000	Capital Purchases	159,793	142,872	243,502	193,000	162,100
	Total Expenditures	\$ 10,315,581	\$ 10,480,613	\$ 12,641,806	\$ 13,603,946	\$ 14,333,292

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
FINANCE 3010
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	318,412	343,458	390,004	305,079	321,490
4110	Overtime	3,118	2,878	4,000	4,000	6,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	114,123	129,836	145,672	187,283	207,916
	Personnel Services	\$ 435,653	\$ 476,172	\$ 539,675	\$ 496,362	\$ 535,406
4500	Fees & Subscriptions	1,219	2,157	3,885	3,990	3,990
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	119	-	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 1,338	\$ 2,157	\$ 3,885	\$ 3,990	\$ 3,990
4600	Supplies	1,070	1,001	1,500	1,500	1,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 1,070	\$ 1,001	\$ 1,500	\$ 1,500	\$ 1,500
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental					
6000	Rebates & Backflow					
6200	Professional Fees	106,750	95,330	77,600	93,471	95,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment	60	-	1,000	1,000	1,000
6600	Utilities	-	-	-	-	-
	District Operations	\$ 106,811	\$ 95,330	\$ 78,600	\$ 94,471	\$ 96,000
	Total Operating Expenses	\$ 544,871	\$ 574,659	\$ 623,660	\$ 596,323	\$ 636,896
8000	Capital Purchases	-	-	5,163	2,500	2,000
	Total Expenditures	\$ 544,871	\$ 574,659	\$ 628,824	\$ 598,823	\$ 638,896

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ACCOUNTING 3020
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	697,078	741,925	808,347	897,847	1,001,849
4110	Overtime	2,806	1,476	3,000	3,000	3,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help	20,151				
4200	Fringe Benefits	281,341	324,301	423,680	655,753	728,242
	Personnel Services	\$ 1,001,376	\$ 1,067,702	\$ 1,235,027	\$ 1,556,600	\$ 1,733,091
4500	Fees & Subscriptions	5,833	4,868	4,700	4,750	4,750
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	405,612	351,369	360,300	380,300	380,300
5500	Insurance					
5600	Misc Expenses	1,604	3,029	4,100	4,000	4,000
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 413,049	\$ 359,266	\$ 369,100	\$ 389,050	\$ 389,050
4600	Supplies	1,343	787	2,000	2,000	2,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 1,343	\$ 787	\$ 2,000	\$ 2,000	\$ 2,000
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental					
6000	Rebates & Backflow					
6200	Professional Fees	49,580	63,165	94,406	94,410	94,410
6300	Repair & Maintenance					
6500	Small Tools & Equipment	-	-	500	500	500
6600	Utilities	-	-	-	-	-
	District Operations	\$ 49,580	\$ 63,165	\$ 94,906	\$ 94,910	\$ 94,910
	Total Operating Expenses	\$ 1,465,348	\$ 1,490,920	\$ 1,701,033	\$ 2,042,560	\$ 2,219,051
8000	Capital Purchases	-	-	3,000	1,500	1,500
	Total Expenditures	\$ 1,465,348	\$ 1,490,920	\$ 1,704,033	\$ 2,044,060	\$ 2,220,551

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
CUSTOMER SERVICE 3030
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	764,357	833,009	834,191	858,577	907,858
4110	Overtime	3,286	6,581	2,200	3,000	3,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help	27,579	12,429	7,000	7,000	7,000
4200	Fringe Benefits	397,341	464,330	537,905	727,491	800,240
	Personnel Services	\$ 1,192,563	\$ 1,316,349	\$ 1,381,296	\$ 1,596,068	\$ 1,718,098
4500	Fees & Subscriptions	3,544	3,016	7,000	6,100	6,100
5200	Communications & Freight	759	782	707	850	850
5300	Debt Service					
5400	Taxes, Fees & Licenses	3,137	3,247	3,200	3,300	3,300
5500	Insurance					
5600	Misc Expenses	1,346	2,000	2,075	2,025	2,025
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 8,785	\$ 9,046	\$ 12,982	\$ 12,275	\$ 12,275
4600	Supplies	2,055	2,405	3,383	3,500	3,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 2,055	\$ 2,405	\$ 3,383	\$ 3,500	\$ 3,500
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	7,836	7,949	8,700	9,900	9,900
6500	Small Tools & Equipment	-	461	700	400	400
6600	Utilities	-	-	-	-	-
	District Operations	\$ 7,836	\$ 8,411	\$ 9,400	\$ 10,300	\$ 10,300
	Total Operating Expenses	\$ 1,211,239	\$ 1,336,211	\$ 1,407,061	\$ 1,622,143	\$ 1,744,173
8000	Capital Purchases	-	-	-	-	-
	Total Expenditures	\$ 1,211,239	\$ 1,336,211	\$ 1,407,061	\$ 1,622,143	\$ 1,744,173

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
OFFICE SUPPORT 3040
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	59,722	61,508	59,301	61,261	64,571
4110	Overtime	-	-	100	100	100
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	36,961	39,636	44,559	62,300	68,195
	Personnel Services	\$ 96,683	\$ 101,144	\$ 103,960	\$ 123,661	\$ 132,866
4500	Fees & Subscriptions	-	-	100	100	100
5200	Communications & Freight	188,053	201,049	191,200	202,800	202,800
5300	Debt Service					
5400	Taxes, Fees & Licenses	3,500	3,850	4,200	3,900	3,900
5500	Insurance					
5600	Misc Expenses	78,255	96,724	78,216	100,100	100,100
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 269,808	\$ 301,624	\$ 273,716	\$ 306,900	\$ 306,900
4600	Supplies	10,953	8,311	9,500	9,500	9,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 10,953	\$ 8,311	\$ 9,500	\$ 9,500	\$ 9,500
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental	25,294	25,932	27,000	26,500	26,500
6000	Rebates & Backflow					
6200	Professional Fees	-	-	1,000	500	500
6300	Repair & Maintenance	633	825	1,100	850	850
6500	Small Tools & Equipment	262	-	494	500	500
6600	Utilities	-	-	-	-	-
	District Operations	\$ 26,189	\$ 26,757	\$ 29,594	\$ 28,350	\$ 28,350
	Total Operating Expenses	\$ 403,633	\$ 437,835	\$ 416,770	\$ 468,411	\$ 477,616
8000	Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenditures	\$ 403,633	\$ 437,835	\$ 416,770	\$ 468,411	\$ 477,616

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
PURCHASING 3050
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	88,828	92,746	85,736	88,570	93,355
4110	Overtime	1,028	710	700	1,000	1,000
4190	Temporary	-	-	14,500	-	-
4170	Director Fees					
4195	Contract Help	-	-	-	14,500	14,500
4200	Fringe Benefits	35,389	40,871	43,926	63,463	69,871
	Personnel Services	\$ 125,245	\$ 134,327	\$ 144,862	\$ 167,533	\$ 178,727
4500	Fees & Subscriptions	-	130	390	390	390
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	1,507	875	2,700	2,700	2,700
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 1,507	\$ 1,005	\$ 3,090	\$ 3,090	\$ 3,090
4600	Supplies	466	319	500	500	500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 466	\$ 319	\$ 500	\$ 500	\$ 500
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment	-	-	250	250	250
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ -	\$ 250	\$ 250	\$ 250
	Total Operating Expenses	\$ 127,218	\$ 135,651	\$ 148,702	\$ 171,373	\$ 182,567
8000	Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenditures	\$ 127,218	\$ 135,651	\$ 148,702	\$ 171,373	\$ 182,567

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
METER READING 3060
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	806,574	805,879	1,049,748	1,002,733	1,061,754
4110	Overtime	5,646	8,372	8,000	9,000	9,000
4190	Temporary	6,450	6,995	7,500	7,500	7,500
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	433,994	431,428	658,578	890,299	972,204
	Personnel Services	\$ 1,252,663	\$ 1,252,674	\$ 1,723,826	\$ 1,909,532	\$ 2,050,459
4500	Fees & Subscriptions	710	860	1,035	1,200	1,200
5200	Communications & Freight	468	412	750	750	750
5300	Debt Service					
5400	Taxes, Fees & Licenses	-	283	1,000	1,000	1,000
5500	Insurance					
5600	Misc Expenses	97	32	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 1,275	\$ 1,587	\$ 2,785	\$ 2,950	\$ 2,950
4600	Supplies	1,623	1,885	2,500	2,500	2,500
4700	Materials	111,854	79,832	167,500	175,000	186,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 113,477	\$ 81,716	\$ 170,000	\$ 177,500	\$ 188,500
5100	Automotive	(7,140)	(6,295)	-	7,200	7,200
5800	Construction Contracts					
5900	Equipment Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	4,645	6,556	9,900	10,600	10,900
6500	Small Tools & Equipment	3,534	2,151	5,500	5,500	5,500
6600	Utilities	-	-	-	-	-
	District Operations	\$ 1,039	\$ 2,412	\$ 15,400	\$ 23,300	\$ 23,600
	Total Operating Expenses	\$ 1,368,455	\$ 1,338,389	\$ 1,912,011	\$ 2,113,282	\$ 2,265,509
8000	Capital Purchases	11,554	-	2,000	-	-
	Total Expenditures	\$ 1,380,009	\$ 1,338,389	\$ 1,914,011	\$ 2,113,282	\$ 2,265,509

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
INFORMATION TECHNOLOGY 3070
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	997,603	987,271	1,008,326	1,189,438	1,175,175
4110	Overtime	30,116	56,133	34,000	34,000	34,000
4190	Temporary	8,714	-	8,714	13,000	13,000
4170	Director Fees					
4195	Contract Help	43,419	-	25,000	20,000	20,000
4200	Fringe Benefits	410,203	419,304	521,649	740,741	814,625
	Personnel Services	\$ 1,490,053	\$ 1,462,708	\$ 1,597,689	\$ 1,997,179	\$ 2,056,799
4500	Fees & Subscriptions	20,325	13,268	22,505	22,255	22,255
5200	Communications & Freight	70,956	73,640	89,500	140,000	140,000
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	129	146	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 91,410	\$ 87,055	\$ 112,005	\$ 162,255	\$ 162,255
4600	Supplies	13,455	11,029	18,163	17,500	17,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 13,455	\$ 11,029	\$ 18,163	\$ 17,500	\$ 17,500
5100	Automotive	(215)	-	-	-	-
5800	Construction Contracts					
5900	Equipment Rental					
6000	Rebates & Backflow					
6200	Professional Fees	85,759	83,069	221,475	162,750	162,750
6300	Repair & Maintenance	454,934	466,273	475,000	540,000	555,000
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 540,478	\$ 549,342	\$ 696,475	\$ 702,750	\$ 717,750
	Total Operating Expenses	\$ 2,135,397	\$ 2,110,134	\$ 2,424,331	\$ 2,879,684	\$ 2,954,304
8000	Capital Purchases	145,507.10	138,085.96	230,924.31	184,000.00	158,600.00
	Total Expenditures	\$ 2,280,904	\$ 2,248,220	\$ 2,655,256	\$ 3,063,684	\$ 3,112,904

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
HUMAN RESOURCES 3080
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	545,523	582,556	537,152	540,429	578,899
4110	Overtime	1	277	-	-	-
4190	Temporary	300	-	8,000	-	-
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	230,948	241,693	293,369	405,878	447,578
	Personnel Services	\$ 776,771	\$ 824,527	\$ 838,521	\$ 946,306	\$ 1,026,477
4500	Fees & Subscriptions	14,239	21,276	14,739	15,055	15,055
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	15,224	4,470	18,000	31,600	31,600
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 29,464	\$ 25,746	\$ 32,739	\$ 46,655	\$ 46,655
4600	Supplies	4,335	4,216	4,300	4,300	4,300
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 4,335	\$ 4,216	\$ 4,300	\$ 4,300	\$ 4,300
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental	3,604	3,187	4,350	-	-
6000	Rebates & Backflow					
6200	Professional Fees	85	5,762	78,106	11,000	11,000
6300	Repair & Maintenance	34	-	120	-	-
6500	Small Tools & Equipment	189	-	250	-	-
6600	Utilities	-	-	-	-	-
	District Operations	\$ 3,911	\$ 8,949	\$ 82,826	\$ 11,000	\$ 11,000
	Total Operating Expenses	\$ 814,482	\$ 863,438	\$ 958,386	\$ 1,008,261	\$ 1,088,432
8000	Capital Purchases	-	-	-	-	-
	Total Expenditures	\$ 814,482	\$ 863,438	\$ 958,386	\$ 1,008,261	\$ 1,088,432

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATER CONSERVATION 3090
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	998,245	1,010,962	989,652	1,023,862	1,087,767
4110	Overtime	4,353	2,321	10,000	5,000	5,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help	-	-	37,000	-	-
4200	Fringe Benefits	443,784	487,149	557,636	733,647	812,078
	Personnel Services	\$ 1,446,382	\$ 1,500,432	\$ 1,594,288	\$ 1,762,509	\$ 1,904,845
4500	Fees & Subscriptions	13,740	10,510	15,230	15,300	15,300
5200	Communications & Freight	1,010	1,007	6,900	10,600	8,500
5300	Debt Service					
5400	Taxes, Fees & Licenses	730	-	475	250	250
5500	Insurance					
5600	Misc Expenses	6,418	5,593	20,225	19,250	16,250
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 21,897	\$ 17,110	\$ 42,830	\$ 45,400	\$ 40,300
4600	Supplies	57,636	35,485	78,647	52,200	48,700
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 57,636	\$ 35,485	\$ 78,647	\$ 52,200	\$ 48,700
5100	Automotive					
5800	Construction Contracts					
5900	Equipment Rental	200	355	9,800	8,100	8,100
6000	Rebates & Backflow	237,563	332,052	929,500	499,500	599,500
6200	Professional Fees	320,343	163,978	148,585	140,000	-
6300	Repair & Maintenance	1,125	1,093	2,700	1,200	1,200
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 559,231	\$ 497,478	\$ 1,090,585	\$ 648,800	\$ 608,800
	Total Operating Expenses	\$ 2,085,146	\$ 2,050,505	\$ 2,806,350	\$ 2,508,909	\$ 2,602,645
8000	Capital Purchases	2,732	4,786	2,414	5,000	-
	Total Expenditures	\$ 2,087,878	\$ 2,055,291	\$ 2,808,764	\$ 2,513,909	\$ 2,602,645

ENVIRONMENTAL AND ENGINEERING SERVICES

Mission Statement

Our mission is to efficiently and effectively provide engineering, environmental, treatment and distribution services in support of the District's mission.

Key Responsibilities

- Implement District's capital improvement and Fire Flow Improvement programs by providing engineering design and construction management for District water supply, treatment, and distribution facilities.
- Operate water quality laboratory and implement and manage water quality testing program to demonstrate District water supply meets all applicable federal and State regulations.
- Provide 24/7 operation of the District's water treatment plants and water distribution facilities.
- Protect quality of District's water supply through implementation of District's backflow prevention program.
- Facilitate preparation of all environmental documents pursuant to the California Environmental Quality Act (CEQA) and/or the National Environmental Policy Act (NEPA) as required for implementation of all District plans and projects.
- Maintain and support efficient use of District water resources through operation, management and expansion of recycled water program.
- Monitor, document, plan and coordinate water demands and all water supply sources.
- Field locate and mark District facilities, maintain and update engineering drawings, maps and related records and statistical reports; administer District policies and procedures in relation to water service, designs and coordinate installation of water facilities for new development, and enforce District water entitlement policies; and maintain District leases and assist with all District Real Property issues.

GOAL: Water Supply Resiliency - We will maintain a level of reliability that supports MMWD's customers' needs, our community's quality of life and the local economy

Strategy: Develop appropriate water resource mix to meet the water reliability needs of the community we serve

1. Implement recommendations of Water Resources Plan 2040.
2. Complete bathymetric surveys at District reservoirs.
3. Continue to maintain compliance with the State's emergency water conservation regulations. Since Governor Brown declared a state-wide drought emergency on January 17, 2014, the State has issued a series of emergency water conservation regulations. The District has maintained

compliance with these regulations by revising the District's code to further expand water waste restrictions, reducing water demands by 20 percent relative to 2013, and by passing the State's water supply "stress test" in 2016. The State will issue additional water conservation regulations in 2017 that are anticipated to impact the District and California water agencies for many years to come.

Strategy: Maximize beneficial use of recycled water

1. Monitor and participate in on-going State review of indirect and direct potable reuse regulations.
2. Complete transition from the District's Las Gallinas Valley Water Reclamation Plant to the Las Gallinas Valley Sanitary District's upgraded treatment plant for production of recycled water for use and distribution by the District. The Las Gallinas Valley Sanitary District is expanding its wastewater treatment plant to accommodate the production of tertiary recycled water for use by MMWD. Once completed, the new facility will replace MMWD's water reclamation facility and be the source of recycled water for use by MMWD.

Strategy: Ensure facilities and equipment are maintained and sufficient to support water resiliency, water quality, watershed management and a productive workforce

1. Complete construction of the Water Treatment Plants Filter Rehabilitation and Seismic Upgrades Project, which will greatly improve the seismic integrity of both plants.
2. Continue development of the Asset Management program. In 2016 the District initiated development of an Asset Management program, which is a comprehensive approach to managing and maintaining infrastructure in a manner that considers, develops and catalogs a wide range of information and data about the District's assets in order to make cost effective, efficient and proactive decisions about the asset. A key measure of success will be the continued development of the District's AM program, including leveraging the use of the District's GIS and SAP systems.
3. Complete construction of the Tiburon Fire Flow Improvement Project. This project includes the installation of approximately 11,000 feet of 8-inch welded steel pipe along Paradise Drive from Seafirth Lane to Teaberry Lane, and the installation of about 2,000 feet of 12-inch pipe along Trestle Glen from Tiburon Blvd to Juno Rd and from Turtle Rock Court to Paradise Drive in Tiburon. This project will greatly improve fireflow capacity and seismic reliability in this area.
4. Complete the update of the District's Supervisory Control and Data Acquisition System. The District's Supervisory Control and Data Acquisition System (SCADA) is over 11 years old and provides electronic and remote monitoring and control of the District's water distribution, storage and treatment systems.

Strategy: Provide facility and personnel security systems to protect human and capital assets

1. Use technology for new ID badges and keyless door security.
2. Integrate camera security for key facilities (employee parking lots, Corte Madera yard, treatment plants, Sky Oaks, Pelican Yard, etc.).

GOAL: Communications - We will partner with our community, customers, and staff to understand & reflect their interests and clearly articulate the programs & policies of Marin Municipal Water District

Strategy: Improve the customer experience

1. Continue to coordinate with the County of Marin in support of construction of the Sir Francis Drake Pipeline Replacement Project. This project includes the installation of 5,300 feet of 12-inch welded steel pipe on Sir Francis Drake from Manor Road to Ross Terrace, and will replace the existing 12" cast iron pipe that is prone to leaking and is nearly 100 years old. This project is being conducted in coordination with the County of Marin as part of their Sir Francis Drake Blvd. Rehabilitation Project. The County intends to complete the planning and environmental documentation in 2017 with construction scheduled to begin in summer 2018.
2. Continue to coordinate District pipeline replacement and other similar projects with local county, town and city public works departments to minimize public impacts and execute projects in an efficient and effective manner.

Strategy: Engage with local, state, and federal regulators on regulations affecting MMWD water

1. Advocate for science-based regulations.
2. Advocate for streamlined permitting where appropriate.
3. Develop professional relationships with key regulators.
4. Bridge and develop relationships/alliances with organizations that share common interests.

GOAL: Environmental Stewardship - We will serve the community and manage the environmental assets entrusted to us for the benefit of present and future generations

Strategy: Reduce MMWD carbon footprint

1. Participate in Marin Clean Energy's Deep Green Program.
2. Complete installation of solar energy panels at one District storage tank site.

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ENVIRONMENTAL & ENGINEERING SERVICES DIVISION
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	7,673,816	7,992,267	8,066,692	7,132,191	7,652,241
4110	Overtime	248,247	253,563	367,626	244,942	252,808
4190	Temporary	59,648	88,396	132,000	41,000	41,000
4170	Director Fees	-	-	-	-	-
4195	Contract Help	-	1,260	4,000	-	-
4200	Fringe Benefits	4,316,792	4,468,262	5,623,513	7,180,930	7,950,707
	Personnel Services	\$ 12,298,503	\$ 12,803,749	\$ 14,193,831	\$ 14,599,063	\$ 15,896,756
4500	Fees & Subscriptions	65,079	65,806	79,384	109,365	110,246
5200	Communications & Freight	65,879	68,524	78,895	82,570	82,670
5300	Debt Service	-	-	-	-	-
5400	Taxes, Fees & Licenses	246,738	256,851	284,628	405,275	455,085
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	4,575	5,447	4,532	5,350	5,350
5700	Depreciation/Amortization	-	-	-	-	-
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 382,271	\$ 396,627	\$ 447,439	\$ 602,560	\$ 653,351
4600	Supplies	166,834	170,256	203,437	212,726	216,838
4700	Materials	149,471	118,343	138,700	146,200	140,200
4900	Chemicals	1,042,879	958,753	1,668,485	1,036,176	1,080,612
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 1,359,184	\$ 1,247,351	\$ 2,010,622	\$ 1,395,102	\$ 1,437,650
5100	Automotive	(8,182)	(7,637)	4,000	5,000	5,000
5800	Construction Contracts	-	-	-	-	-
5900	Equipment & Fac Rental	68,559	41,618	62,652	61,210	62,176
6000	Rebates & Backflow	-	-	-	-	-
6200	Professional Fees	342,331	281,558	725,650	640,150	736,150
6300	Repair & Maintenance	181,589	151,187	261,651	246,715	247,836
6500	Small Tools & Equipment	21,130	25,459	20,168	23,050	23,150
6600	Utilities	28,691	28,962	78,017	72,713	74,511
	District Operations	\$ 634,118	\$ 521,146	\$ 1,152,138	\$ 1,048,838	\$ 1,148,823
	Total Operating Expenses	\$ 14,674,076	\$ 14,968,873	\$ 17,804,030	\$ 17,645,563	\$ 19,136,580
8000	Capital Purchases	260,067	297,876	277,232	466,100	111,500
9999	Allocation to Capital	\$ (2,648,231)	\$ (2,337,778)	\$ (2,501,353)	\$ (2,982,320)	\$ (2,982,320)
	Total Expenditures	\$ 12,285,912	\$ 12,928,970	\$ 15,579,909	\$ 15,129,343	\$ 16,265,760

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ENVIRONMENTAL & ENGINEERING SERVICES ADMINISTRATION 5010
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	307,580	302,856	285,365	294,595	310,440
4110	Overtime	1,005	3,992	500	3,000	3,500
4190	Temporary	-	-	-	1,000	1,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	130,280	140,707	159,808	203,155	224,775
	Personnel Services	\$ 438,865	\$ 447,555	\$ 445,673	\$ 501,750	\$ 539,715
4500	Fees & Subscriptions	2,602	2,453	3,812	3,500	3,600
5200	Communications & Freight	-	-	500	500	550
5300	Debt Service					
5400	Taxes, Fees & Licenses	115	-	200	200	200
5500	Insurance					
5600	Misc Expenses	1,515	324	1,000	1,000	1,000
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 4,231	\$ 2,777	\$ 5,512	\$ 5,200	\$ 5,350
4600	Supplies	17,613	20,718	21,450	31,700	31,700
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 17,613	\$ 20,718	\$ 21,450	\$ 31,700	\$ 31,700
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	19,242	19,830	25,301	25,000	25,000
6000	Rebates & Backflow					
6200	Professional Fees	32,600	6,095	31,747	22,000	24,000
6300	Repair & Maintenance	5,250	-	-	-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 57,092	\$ 25,925	\$ 57,048	\$ 47,000	\$ 49,000
	Total Operating Expenses	\$ 517,801	\$ 496,976	\$ 529,683	\$ 585,650	\$ 625,765
8000	Capital Purchases	-	-	1,000	-	-
	Total Expenditures	\$ 517,801	\$ 496,976	\$ 530,683	\$ 585,650	\$ 625,765

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ENGINEERING DESIGN & CONSTRUCTION SUPERVISION 5110
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	84,699	90,488	56,629	26,862	36,022
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	65,600	68,477	79,661	100,341	111,492
	Personnel Services	\$ 150,299	\$ 158,964	\$ 136,290	\$ 127,203	\$ 147,515
4500	Fees & Subscriptions	-	655	2,025	3,000	3,000
5200	Communications & Freight	113	316	500	500	500
5300	Debt Service					
5400	Taxes, Fees & Licenses	-	115	-	150	150
5500	Insurance					
5600	Misc Expenses	-	32	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 113	\$ 1,119	\$ 2,525	\$ 3,650	\$ 3,650
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Operating Expenses	\$ 150,412	\$ 160,083	\$ 138,815	\$ 130,853	\$ 151,165
8000	Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenditures	\$ 150,412	\$ 160,083	\$ 138,815	\$ 130,853	\$ 151,165

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
CIVIL & STRUCTURAL DESIGN 5120
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	104,598	86,259	82,878	10,896	50,467
4110	Overtime	308	-	-	-	-
4190	Temporary	-	650	10,000	-	-
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	198,193	191,523	265,006	330,234	369,546
	Personnel Services	\$ 303,099	\$ 278,432	\$ 357,885	\$ 341,129	\$ 420,013
4500	Fees & Subscriptions	11,858	10,480	12,000	23,100	23,100
5200	Communications & Freight	113	1,482	1,825	2,400	2,400
5300	Debt Service					
5400	Taxes, Fees & Licenses	-	-	900	500	500
5500	Insurance					
5600	Misc Expenses	65	-	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 12,036	\$ 11,962	\$ 14,725	\$ 26,000	\$ 26,000
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	1,042	7,379	6,925	1,000	1,000
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 1,042	\$ 7,379	\$ 6,925	\$ 1,000	\$ 1,000
	Total Operating Expenses	\$ 316,177	\$ 297,773	\$ 379,535	\$ 368,129	\$ 447,013
8000	Capital Purchases	-	-	1,100	6,000	6,000
	Total Expenditures	\$ 316,177	\$ 297,773	\$ 380,635	\$ 374,129	\$ 453,013

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
MECHANICAL & ELECTRICAL DESIGN 5130
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	23,655	14,144	30,541	27,160	29,871
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	58,411	24,484	72,866	76,052	82,415
	Personnel Services	\$ 82,067	\$ 38,628	\$ 103,407	\$ 103,212	\$ 112,286
4500	Fees & Subscriptions	568	-	-	2,500	2,500
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	116	44	150	150	-
5500	Insurance					
5600	Misc Expenses					
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 684	\$ 44	\$ 150	\$ 2,650	\$ 2,500
4600	Supplies	-	312	-	-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ 312	\$ -	\$ -	\$ -
5100	Automotive	(1,000)	(147)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	-	1,093	795	-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ (1,000)	\$ 946	\$ 795	\$ -	\$ -
	Total Operating Expenses	\$ 81,750	\$ 39,930	\$ 104,352	\$ 105,862	\$ 114,786
8000	Capital Purchases	-	-	8,500	8,500	-
	Total Expenditures	\$ 81,750	\$ 39,930	\$ 112,852	\$ 114,362	\$ 114,786

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
CONSTRUCTION ADMINISTRATION 5140
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	129,008	106,999	212,175	26,766	41,209
4110	Overtime	50	-	-	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	114,486	89,300	162,301	112,488	125,953
	Personnel Services	\$ 243,544	\$ 196,299	\$ 374,476	\$ 139,254	\$ 167,162
4500	Fees & Subscriptions	3,498	-	3,450	6,000	6,000
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	115	-	151	-	-
5500	Insurance					
5600	Misc Expenses	359	1,098	632	1,200	1,200
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 3,971	\$ 1,098	\$ 4,233	\$ 7,200	\$ 7,200
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	33	45	49	-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 33	\$ 45	\$ 49	\$ -	\$ -
	Total Operating Expenses	\$ 247,548	\$ 197,442	\$ 378,758	\$ 146,454	\$ 174,362
8000	Capital Purchases	-	-	-	5,000	-
	Total Expenditures	\$ 247,548	\$ 197,442	\$ 378,758	\$ 151,454	\$ 174,362

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
CONSTRUCTION INSPECTION 5150
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	127,467	138,718	169,851	24,802	59,753
4110	Overtime	(696)	(1,395)	-	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	301,890	286,386	363,059	479,609	527,403
	Personnel Services	\$ 428,661	\$ 423,708	\$ 532,910	\$ 504,411	\$ 587,156
4500	Fees & Subscriptions	4,470	2,055	3,700	6,000	6,000
5200	Communications & Freight	3,860	4,573	3,600	7,200	7,200
5300	Debt Service					
5400	Taxes, Fees & Licenses	250	750	210	1,000	1,000
5500	Insurance					
5600	Misc Expenses	65	-	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 8,645	\$ 7,378	\$ 7,510	\$ 14,200	\$ 14,200
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment	2,735	-	3,000	3,000	3,000
6600	Utilities	-	-	-	-	-
	District Operations	\$ 2,735	\$ -	\$ 3,000	\$ 3,000	\$ 3,000
	Total Operating Expenses	\$ 440,041	\$ 431,086	\$ 543,420	\$ 521,611	\$ 604,356
8000	Capital Purchases	57,977	-	2,000	-	-
	Total Expenditures	\$ 498,018	\$ 431,086	\$ 545,420	\$ 521,611	\$ 604,356

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
PLANNING & OPERATIONS 5220
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	547,596	626,240	522,881	406,145	451,806
4110	Overtime	-	60	-	-	-
4190	Temporary	-	-	-	24,000	24,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	246,960	275,850	310,437	416,946	465,220
	Personnel Services	\$ 794,555	\$ 902,150	\$ 833,318	\$ 847,091	\$ 941,026
4500	Fees & Subscriptions	6,238	11,501	8,625	13,250	13,250
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	127,058	138,649	180,356	204,400	220,500
5500	Insurance					
5600	Misc Expenses	-	97	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 133,296	\$ 150,247	\$ 188,981	\$ 217,650	\$ 233,750
4600	Supplies	-	-	50	-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ 50	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	200,992	197,877	148,317	480,000	570,000
6300	Repair & Maintenance	33	-	49	-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 201,025	\$ 197,877	\$ 148,366	\$ 480,000	\$ 570,000
	Total Operating Expenses	\$ 1,128,876	\$ 1,250,274	\$ 1,170,714	\$ 1,544,741	\$ 1,744,776
8000	Capital Purchases	-	11,019	1,027	10,000	3,000
	Total Expenditures	\$ 1,128,876	\$ 1,261,293	\$ 1,171,741	\$ 1,554,741	\$ 1,747,776

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
SURVEY 5240
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	71,988	77,512	56,064	28,462	37,592
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	51,106	56,754	65,687	83,871	92,190
	Personnel Services	\$ 123,094	\$ 134,265	\$ 121,751	\$ 112,333	\$ 129,782
4500	Fees & Subscriptions	540	-	1,035	2,000	2,000
5200	Communications & Freight	90	8	450	450	450
5300	Debt Service					
5400	Taxes, Fees & Licenses	-	115	200	200	200
5500	Insurance					
5600	Misc Expenses					
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 630	\$ 123	\$ 1,685	\$ 2,650	\$ 2,650
4600	Supplies					
4700	Materials	-	-	250	250	250
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ 250	\$ 250	\$ 250
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	2,226	1,402	16,302	6,500	6,500
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 2,226	\$ 1,402	\$ 16,302	\$ 6,500	\$ 6,500
	Total Operating Expenses	\$ 125,949	\$ 135,790	\$ 139,987	\$ 121,733	\$ 139,182
8000	Capital Purchases	-	65,759	30,204	32,000	-
	Total Expenditures	\$ 125,949	\$ 201,549	\$ 170,191	\$ 153,733	\$ 139,182

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATER SYSTEM OPERATIONS 5250
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	2,387,502	2,469,199	2,453,123	2,289,782	2,456,031
4110	Overtime	116,826	131,921	153,684	44,016	45,957
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	<u>1,139,229</u>	<u>1,178,042</u>	<u>1,467,563</u>	<u>1,940,123</u>	<u>2,145,836</u>
	Personnel Services	\$ 3,643,557	\$ 3,779,162	\$ 4,074,370	\$ 4,273,921	\$ 4,647,825
4500	Fees & Subscriptions	10,519	11,095	13,141	12,550	12,550
5200	Communications & Freight	57,374	56,570	63,000	63,000	63,000
5300	Debt Service					
5400	Taxes, Fees & Licenses	850	645	900	800	800
5500	Insurance					
5600	Misc Expenses	380	534	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	General & Admin	\$ 69,124	\$ 68,844	\$ 77,041	\$ 76,350	\$ 76,350
4600	Supplies	12,587	10,033	14,200	14,250	14,250
4700	Materials	147,713	115,083	135,000	135,500	135,500
4900	Chemicals					
5000	Water Purchases	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	Materials & Supplies	\$ 160,300	\$ 125,116	\$ 149,200	\$ 149,750	\$ 149,750
5100	Automotive	(6,586)	(6,458)	4,000	5,000	5,000
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	-	5,500	500	500
6000	Rebates & Backflow					
6200	Professional Fees	20,693	25,644	65,000	50,000	50,000
6300	Repair & Maintenance	107,555	72,031	138,559	136,000	136,000
6500	Small Tools & Equipment	9,356	14,332	8,000	9,000	9,000
6600	Utilities	<u>318</u>	<u>306</u>	<u>500</u>	<u>500</u>	<u>500</u>
	District Operations	\$ 131,336	\$ 105,855	\$ 221,559	\$ 201,000	\$ 201,000
	Total Operating Expenses	\$ 4,004,317	\$ 4,078,976	\$ 4,522,170	\$ 4,701,021	\$ 5,074,925
8000	Capital Purchases	<u>108,614</u>	<u>23,249</u>	<u>114,130</u>	<u>30,000</u>	<u>30,000</u>
	Total Expenditures	\$ 4,112,931	\$ 4,102,225	\$ 4,636,300	\$ 4,731,021	\$ 5,104,925

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ENGINEERING SUPPORT SUPERVISION 5310
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	147,400	165,065	145,196	142,948	151,515
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	60,167	62,636	75,446	94,919	105,301
	Personnel Services	\$ 207,567	\$ 227,701	\$ 220,643	\$ 237,867	\$ 256,816
4500	Fees & Subscriptions	280	3,100	1,380	1,380	1,380
5200	Communications & Freight	-	418	500	550	550
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	65	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 280	\$ 3,583	\$ 1,880	\$ 1,930	\$ 1,930
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Operating Expenses	\$ 207,847	\$ 231,284	\$ 222,523	\$ 239,797	\$ 258,746
8000	Capital Purchases	-	-	1,400	700	700
	Total Expenditures	\$ 207,847	\$ 231,284	\$ 223,923	\$ 240,497	\$ 259,446

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
DRAFTING 5320
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	211,053	197,832	289,733	53,784	89,801
4110	Overtime	-	4,350	-	-	-
4190	Temporary	21,147	60,912	88,000	-	-
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	<u>274,071</u>	<u>283,571</u>	<u>353,151</u>	<u>435,826</u>	<u>482,139</u>
	Personnel Services	\$ 506,271	\$ 546,664	\$ 730,884	\$ 489,610	\$ 571,941
4500	Fees & Subscriptions	4,147	6,916	6,170	6,500	6,600
5200	Communications & Freight	494	418	500	550	550
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	65	65	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	General & Admin	\$ 4,705	\$ 7,399	\$ 6,670	\$ 7,050	\$ 7,150
4600	Supplies	-	500	-	-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	Materials & Supplies	\$ -	\$ 500	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	8,300	8,822	9,000	11,000	11,000
6500	Small Tools & Equipment	2,089	1,760	2,400	2,500	2,600
6600	Utilities	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	District Operations	\$ 10,390	\$ 10,582	\$ 11,400	\$ 13,500	\$ 13,600
	Total Operating Expenses	<u>\$ 521,366</u>	<u>\$ 565,145</u>	<u>\$ 748,954</u>	<u>\$ 510,160</u>	<u>\$ 592,691</u>
8000	Capital Purchases	<u>24,761</u>	<u>57,646</u>	<u>15,426</u>	<u>78,400</u>	<u>1,400</u>
	Total Expenditures	<u>\$ 546,126</u>	<u>\$ 622,791</u>	<u>\$ 764,380</u>	<u>\$ 588,560</u>	<u>\$ 594,091</u>

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
RECORDS & SUBDIVISION 5330
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	750,746	808,283	801,626	785,094	753,096
4110	Overtime	2,185	3,509	-	-	-
4190	Temporary	9,040	21,268	24,000	16,000	16,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	380,373	421,691	495,028	678,444	746,139
	Personnel Services	\$ 1,142,344	\$ 1,254,750	\$ 1,320,654	\$ 1,479,538	\$ 1,515,234
4500	Fees & Subscriptions	5,470	3,376	3,827	4,240	4,240
5200	Communications & Freight	1,459	1,576	2,500	2,750	2,750
5300	Debt Service					
5400	Taxes, Fees & Licenses	2,631	5,747	5,200	7,200	9,200
5500	Insurance					
5600	Misc Expenses	97	65	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 9,657	\$ 10,764	\$ 11,527	\$ 14,190	\$ 16,190
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	10,419	8,106	13,200	14,500	14,800
6500	Small Tools & Equipment	591	273	800	800	800
6600	Utilities	-	-	-	-	-
	District Operations	\$ 11,010	\$ 8,379	\$ 14,000	\$ 15,300	\$ 15,600
	Total Operating Expenses	\$ 1,163,012	\$ 1,273,893	\$ 1,346,181	\$ 1,509,028	\$ 1,547,024
8000	Capital Purchases	24,876	-	9,000	7,000	2,000
	Total Expenditures	\$ 1,187,888	\$ 1,273,893	\$ 1,355,181	\$ 1,516,028	\$ 1,549,024

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
RIGHT-OF-WAY 5340
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	99,661	99,927	96,226	99,410	104,781
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	48,413	52,906	60,971	78,866	86,780
	Personnel Services	\$ 148,073	\$ 152,833	\$ 157,196	\$ 178,276	\$ 191,560
4500	Fees & Subscriptions	862	367	1,490	1,600	1,600
5200	Communications & Freight	456	494	500	550	550
5300	Debt Service					
5400	Taxes, Fees & Licenses	76,399	61,114	47,500	61,600	63,100
5500	Insurance					
5600	Misc Expenses					
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 77,717	\$ 61,975	\$ 49,490	\$ 63,750	\$ 65,250
4600	Supplies	-	-	-	200	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ 200	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	32,707	4,389	8,451	7,210	7,426
6000	Rebates & Backflow					
6200	Professional Fees	9,238	7,238	32,687	20,000	20,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 41,945	\$ 11,627	\$ 41,138	\$ 27,210	\$ 27,426
	Total Operating Expenses	\$ 267,735	\$ 226,434	\$ 247,824	\$ 269,436	\$ 284,236
8000	Capital Purchases	-	-	800	800	-
	Total Expenditures	\$ 267,735	\$ 226,434	\$ 248,624	\$ 270,236	\$ 284,236

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATER QUALITY LAB 5420
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	751,591	783,027	754,043	779,516	833,319
4110	Overtime	3,609	7,581	5,000	-	-
4190	Temporary	11,349	5,568	10,000	-	-
4170	Director Fees					
4195	Contract Help	-	1,260	4,000	-	-
4200	Fringe Benefits	361,032	377,419	449,889	594,884	659,433
	Personnel Services	\$ 1,127,581	\$ 1,174,855	\$ 1,222,933	\$ 1,374,400	\$ 1,492,752
4500	Fees & Subscriptions	2,892	650	5,275	5,275	5,275
5200	Communications & Freight	772	880	2,900	1,800	1,850
5300	Debt Service					
5400	Taxes, Fees & Licenses	37,205	41,211	30,000	120,000	150,000
5500	Insurance					
5600	Misc Expenses	-	65	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 40,868	\$ 42,805	\$ 38,175	\$ 127,075	\$ 157,125
4600	Supplies	66,659	63,888	69,750	69,800	72,300
4700	Materials	-	-	-	6,000	-
4900	Chemicals	25,313	34,547	40,000	41,000	41,000
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 91,972	\$ 98,435	\$ 109,750	\$ 116,800	\$ 113,300
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,190	2,273	3,400	3,500	3,500
6000	Rebates & Backflow					
6200	Professional Fees	42,028	43,497	58,750	63,500	67,500
6300	Repair & Maintenance	30,638	29,269	49,556	50,000	50,000
6500	Small Tools & Equipment	2,630	7,448	3,150	4,000	4,000
6600	Utilities	1,799	1,905	6,000	7,000	7,000
	District Operations	\$ 79,285	\$ 84,391	\$ 120,856	\$ 128,000	\$ 132,000
	Total Operating Expenses	\$ 1,339,707	\$ 1,400,487	\$ 1,491,713	\$ 1,746,275	\$ 1,895,177
8000	Capital Purchases	2,257	79,215	7,485	238,000	17,000
	Total Expenditures	\$ 1,341,963	\$ 1,479,702	\$ 1,499,198	\$ 1,984,275	\$ 1,912,177

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATER TREATMENT OPERATIONS 5430
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	1,609,677	1,708,405	1,794,875	1,852,232	1,933,015
4110	Overtime	124,961	102,704	208,442	197,927	203,351
4190	Temporary	18,112	-	-	-	-
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	713,506	781,305	1,019,929	1,272,860	1,411,382
	Personnel Services	\$ 2,466,256	\$ 2,592,414	\$ 3,023,247	\$ 3,323,019	\$ 3,547,749
4500	Fees & Subscriptions	5,657	7,766	8,294	9,620	10,101
5200	Communications & Freight	90	353	720	820	820
5300	Debt Service					
5400	Taxes, Fees & Licenses	1,998	3,336	2,886	3,575	3,935
5500	Insurance					
5600	Misc Expenses	65	509	150	150	150
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 7,810	\$ 11,965	\$ 12,050	\$ 14,165	\$ 15,006
4600	Supplies	69,975	74,805	92,987	91,276	93,088
4700	Materials	1,192	2,549	2,200	3,200	3,200
4900	Chemicals	1,017,566	924,206	1,628,485	995,176	1,039,612
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 1,088,733	\$ 1,001,559	\$ 1,723,672	\$ 1,089,652	\$ 1,135,900
5100	Automotive	(145)	-	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	14,420	15,125	20,000	25,000	25,750
6000	Rebates & Backflow					
6200	Professional Fees	2,500	-	2,646	2,650	2,650
6300	Repair & Maintenance	15,878	22,695	27,016	27,365	28,186
6500	Small Tools & Equipment	1,665	1,646	2,818	3,750	3,750
6600	Utilities	26,574	26,751	71,517	65,213	67,011
	District Operations	\$ 60,892	\$ 66,217	\$ 123,997	\$ 123,978	\$ 127,347
	Total Operating Expenses	\$ 3,623,691	\$ 3,672,154	\$ 4,882,966	\$ 4,550,814	\$ 4,826,002
8000	Capital Purchases	12,757	29,899	80,804	49,700	51,400
	Total Expenditures	\$ 3,636,448	\$ 3,702,054	\$ 4,963,769	\$ 4,600,514	\$ 4,877,402

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
BACKFLOW & RECLAMATION 5440
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	253,430	240,462	266,444	254,187	276,521
4110	Overtime	-	841	-	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	116,137	113,040	152,488	192,217	214,931
	Personnel Services	\$ 369,567	\$ 354,343	\$ 418,932	\$ 446,404	\$ 491,452
4500	Fees & Subscriptions	4,600	4,482	3,670	7,150	7,250
5200	Communications & Freight	1,058	1,435	1,400	1,500	1,500
5300	Debt Service					
5400	Taxes, Fees & Licenses	-	5,126	15,975	5,500	5,500
5500	Insurance					
5600	Misc Expenses	1,966	2,561	2,750	3,000	3,000
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 7,624	\$ 13,604	\$ 23,795	\$ 17,150	\$ 17,250
4600	Supplies	-	-	5,000	5,500	5,500
4700	Materials	566	711	1,250	1,250	1,250
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 566	\$ 711	\$ 6,250	\$ 6,750	\$ 6,750
5100	Automotive	(452)	(1,032)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	34,280	1,208	1,200	2,000	2,000
6300	Repair & Maintenance	215	346	200	350	350
6500	Small Tools & Equipment	2,064	-	-	-	-
6600	Utilities	-	-	-	-	-
	District Operations	\$ 36,107	\$ 521	\$ 1,400	\$ 2,350	\$ 2,350
	Total Operating Expenses	\$ 413,864	\$ 369,179	\$ 450,377	\$ 472,654	\$ 517,802
8000	Capital Purchases	28,825	31,089	4,356	-	-
	Total Expenditures	\$ 442,690	\$ 400,268	\$ 454,733	\$ 472,654	\$ 517,802

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
ENVIRONMENTAL SERVICES 5510
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	66,166	76,852	49,042	29,550	37,003
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	56,937	64,173	70,223	90,093	99,771
	Personnel Services	\$ 123,102	\$ 141,025	\$ 119,264	\$ 119,643	\$ 136,774
4500	Fees & Subscriptions	880	910	1,490	1,700	1,800
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	32	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 880	\$ 942	\$ 1,490	\$ 1,700	\$ 1,800
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	-	-	385,304	-	-
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ -	\$ 385,304	\$ -	\$ -
	Total Operating Expenses	\$ 123,982	\$ 141,967	\$ 506,058	\$ 121,343	\$ 138,574
8000	Capital Purchases	-	-	-	-	-
	Total Expenditures	\$ 123,982	\$ 141,967	\$ 506,058	\$ 121,343	\$ 138,574

FACILITIES AND WATERSHED DIVISION

Mission Statement

Maintain the district's facilities and infrastructure with reliable 24-hour service to its customers and manage the district's watershed land and reservoirs to ensure protection of water quality, preservation and enhancement of the watershed's natural environment. Develop and maintain a variety of communication, outreach and legislative programs designed to keep the public informed about district issues, projects and activities.

Key Responsibilities

- Maintain district facilities and infrastructure on a daily basis and provide 24-hour emergency response.
- Provide safe and reliable fuel-efficient fleet in order to maintain 24-hour customer service.
- Provide environmental health and safety program in order to ensure a safe and healthy workforce and workplace
- Safeguard the quality of water derived from watershed lands, to manage the ecosystem health of district lands and streams affected by District operations, to provide for the education, inspiration, recreation and safety of the visiting public, and to maintain roads, trails, and facilities in a sustainable manner
- Develop custom communications to educate, engage and expand the district's community outreach and coordinate and participate in community events.
- Develop campaigns that support rebate awareness and use
- Utilize new technologies to improve outreach and education programs, media relations, and facilitate community workshops
- Ensure the district remains transparent in public relations materials to emphasize and enhance a positive public image, incorporating Board goals, key messages and talking points
- Maintain and ensure the district's website reflects current information, programs, and issues, is mobile friendly and reflects the new, modern brand.

GOAL: Water Supply Resiliency - We will maintain a level of reliability that supports MMWD's customers' needs, our community's quality of life and the local economy

Strategy: Ensure facilities and equipment are maintained and sufficient to support water resiliency, water quality, watershed management and a productive workforce

1. Develop a vehicle and equipment replacement policy/program

Strategy: Plan and prepare for catastrophic emergencies (e.g. earthquake, fire etc.)

1. Evaluate and update emergency preparedness program (including exercise frequency, coordination with other agencies, training, EOC staff, support and databases, mutual aid agreements, and emergency power needs)

2. Pursue grant opportunities to enhance preparedness
3. Continue participation in Marin County Urban Search and Rescue

GOAL: Financial Stewardship - We will prudently manage the public resources entrusted to us

Strategy: Maximize the role of state and federal grant funding in MMWD business model and financial planning

1. Engage all divisions to identify and pursue grant opportunities to implement MMWD projects
2. Collaborate to pursue regional grants and implement regional projects benefitting MMWD
3. Evaluate and standardize methods to organize and manage grants (e.g. SAP)

Strategy: Review and improve procurement processes

1. Employ just-in-time delivery of items to minimize local storage requirements where feasible

GOAL: Environmental Stewardship - We will serve the community and manage the environmental assets entrusted to us for the benefit of present and future generations

Strategy: Enhance ecosystem resiliency in the face of climate change

1. Complete & implement Wildfire Protection and Habitat Improvement Plan
2. Continue to implement Lagunitas Creek Stewardship Plan
3. Monitor ecological vital signs
4. Continue to implement key road and trail management plan projects

Strategy: Increase community engagement in stewardship of Mt Tamalpais as a water and community asset

1. Develop project and programs for the Tamalpais Lands Collaborative
2. Increase volunteer and education program capacity through public-private and not-for-profit partnerships

Strategy: Evaluate current visitor access and activities on watershed lands consistent with the overall goals of watershed stewardship

1. Review and evaluate watershed management policies
2. Develop land use strategies that improve visitor experiences and safety

Strategy: Implement best environmental management practices

1. Upgrade fish friendly leak response, construction standards, and road maintenance techniques to serve as model best management practices

Strategy: Reduce MMWD carbon footprint

1. Expand use of electric, hybrid or other alternative fuel vehicles
2. Evaluate water supply implications of a major Mt. Tamalpais watershed fire

Strategy: Ensure public safety is maintained on the watershed

1. Evaluate and adapt public safety practices on the watershed

GOAL: Workforce - We will maintain a diverse, highly-qualified and trained, motivated and productive workforce to achieve MMWD's goals

Strategy: Ensure policies and practices that promote a safe and healthy workforce and workplace

1. Maintain an organization-wide focus on health and safety practices
2. Minimize injuries and illness by implementing best health and safety practices

GOAL: Communications - We will partner with our community, customers, and staff to understand & reflect their interests and clearly articulate the programs & policies of Marin Municipal Water District

Strategy: Support the Board of Directors to facilitate informed policy / decision-making

1. Organize Board workshops and/or identify key outside educational opportunities to convey Board information on key policies or issues

Strategy: Develop effective community outreach

1. Develop a communications plan and coordination strategy, tailoring messages, communication channels and outreach efforts to address customer needs
2. Coordinate and participate in community events
3. Incorporate Board Goals in public relations materials to emphasize and enhance MMWD brand

Strategy: Improve the customer experience

1. Ensure the MMWD website reflects current information, programs, and issues

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
FACILITIES & WATERSHED DIVISION
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	\$ 7,264,638	\$ 7,254,831	\$ 7,427,478	\$ 7,634,984	\$ 7,996,129
4110	Overtime	592,760	613,212	638,458	643,493	646,069
4190	Temporary	216,825	207,964	293,569	318,625	344,681
4170	Director Fees	-	-	-	-	-
4195	Contract Help	340,066	371,746	404,277	430,449	504,588
4200	Fringe Benefits	3,733,199	3,881,065	4,776,432	6,234,895	6,875,242
	Personnel Services	\$ 12,147,488	\$ 12,328,818	\$ 13,540,214	\$ 15,262,445	\$ 16,366,709
4500	Fees & Subscriptions	73,506	73,382	71,386	100,855	98,855
5200	Communications & Freight	27,398	30,424	34,038	34,448	34,448
5300	Debt Service	-	-	-	-	-
5400	Taxes, Fees & Licenses	184,529	184,867	167,110	184,760	179,760
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	121,269	90,497	114,553	190,150	190,150
5700	Depreciation/Amortization	-	-	-	-	-
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 406,701	\$ 379,169	\$ 387,087	\$ 510,213	\$ 503,213
4600	Supplies	126,782	108,679	131,390	159,970	159,970
4700	Materials	423,377	418,075	468,944	491,965	491,465
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 550,159	\$ 526,754	\$ 600,334	\$ 651,935	\$ 651,435
5100	Automotive	157,196	80,031	539,900	588,500	588,500
5800	Construction Contracts	583,371	743,086	470,000	840,000	840,000
5900	Equipment & Fac Rental	57,495	81,868	133,652	142,600	142,600
6000	Rebates & Backflow	-	-	-	-	-
6200	Professional Fees	587,519	405,143	588,127	492,700	672,000
6300	Repair & Maintenance	672,721	830,791	892,825	1,122,376	1,368,626
6500	Small Tools & Equipment	50,133	73,889	82,490	90,325	88,150
6600	Utilities	97,090	72,728	137,350	138,350	138,850
	District Operations	\$ 2,205,525	\$ 2,287,535	\$ 2,844,344	\$ 3,414,851	\$ 3,838,726
	Total Operating Expenses	\$ 15,309,873	\$ 15,522,276	\$ 17,371,979	\$ 19,839,444	\$ 21,360,083
8000	Capital Purchases	804,688	645,135	950,341	1,502,263	1,359,340
9999	Allocation to Capital	\$ (345,000)	\$ (345,000)	\$ (345,000)	\$ (345,000)	\$ (345,000)
	Total Expenditures	\$ 15,769,561	\$ 15,822,411	\$ 17,977,319	\$ 20,996,707	\$ 22,374,423

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
FACILITIES & WATERSHED ADMINISTRATION 6010
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	470,307	384,335	480,022	421,658	453,585
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help	-	13,583	-	-	-
4200	Fringe Benefits	191,343	186,572	200,027	284,777	318,365
	Personnel Services	\$ 661,650	\$ 584,490	\$ 680,049	\$ 706,435	\$ 771,950
4500	Fees & Subscriptions	3,476	8,076	8,129	10,388	10,388
5200	Communications & Freight	25,803	27,748	27,120	27,120	27,120
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	863	32	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 30,142	\$ 35,856	\$ 35,249	\$ 37,508	\$ 37,508
4600	Supplies	5,686	6,652	6,000	7,000	7,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 5,686	\$ 6,652	\$ 6,000	\$ 7,000	\$ 7,000
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	1,944	2,590	2,700	2,700	2,700
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	-	1,357	-	-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 1,944	\$ 3,947	\$ 2,700	\$ 2,700	\$ 2,700
	Total Operating Expenses	\$ 699,421	\$ 630,945	\$ 723,998	\$ 753,643	\$ 819,158
8000	Capital Purchases	-	-	1,940	1,940	1,940
	Total Expenditures	\$ 699,421	\$ 630,945	\$ 725,938	\$ 755,583	\$ 821,098

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
COMMUNICATIONS & OUTREACH 6020
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	323,956	324,055	309,902	310,685	339,362
4110	Overtime	-	1,848	20,000	20,000	20,000
4190	Temporary	8,779	7,914	7,800	7,800	7,800
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	141,434	146,802	170,198	224,307	251,817
	Personnel Services	\$ 474,169	\$ 480,619	\$ 507,900	\$ 562,792	\$ 618,980
4500	Fees & Subscriptions	6,692	9,972	5,504	9,775	9,775
5200	Communications & Freight	308	957	1,000	960	960
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	97,746	67,410	79,623	160,000	160,000
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 104,746	\$ 78,339	\$ 86,127	\$ 170,735	\$ 170,735
4600	Supplies	3,921	8,174	6,150	25,500	25,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 3,921	\$ 8,174	\$ 6,150	\$ 25,500	\$ 25,500
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	101,545	85,958	100,264	96,000	126,000
6300	Repair & Maintenance	-	-	3,000	13,576	13,576
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 101,545	\$ 85,958	\$ 103,264	\$ 109,576	\$ 139,576
	Total Operating Expenses	\$ 684,381	\$ 653,091	\$ 703,442	\$ 868,603	\$ 954,791
8000	Capital Purchases	14,045	-	1,915	20,000	20,000
	Total Expenditures	\$ 698,426	\$ 653,091	\$ 705,357	\$ 888,603	\$ 974,791

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
SAFETY 6030
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	288,636	231,611	310,433	211,841	223,215
4110	Overtime	780	314	1,300	1,300	1,300
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	123,362	108,696	176,037	152,960	168,481
	Personnel Services	\$ 412,778	\$ 340,621	\$ 487,769	\$ 366,102	\$ 392,996
4500	Fees & Subscriptions	3,335	6,073	6,465	6,465	6,465
5200	Communications & Freight	523	536	645	645	645
5300	Debt Service					
5400	Taxes, Fees & Licenses	17,456	13,068	17,500	17,500	17,500
5500	Insurance					
5600	Misc Expenses	252	-	550	550	550
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 21,566	\$ 19,676	\$ 25,160	\$ 25,160	\$ 25,160
4600	Supplies	765	577	1,000	1,000	1,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 765	\$ 577	\$ 1,000	\$ 1,000	\$ 1,000
5100	Automotive	(1,000)	(1,184)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	5,203	3,424	6,000	6,000	6,000
6500	Small Tools & Equipment	589	2,039	2,050	2,050	2,050
6600	Utilities	-	-	-	-	-
	District Operations	\$ 4,792	\$ 4,279	\$ 8,050	\$ 8,050	\$ 8,050
	Total Operating Expenses	\$ 439,901	\$ 365,152	\$ 521,979	\$ 400,312	\$ 427,206
8000	Capital Purchases	-	-	2,300	2,300	2,300
	Total Expenditures	\$ 439,901	\$ 365,152	\$ 524,279	\$ 402,612	\$ 429,506

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
SUPPORT SERVICES SUPERVISION 6110
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	228,263	216,302	221,218	227,341	240,012
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	77,216	101,246	118,133	151,953	171,101
	Personnel Services	\$ 305,479	\$ 317,548	\$ 339,352	\$ 379,293	\$ 411,113
4500	Fees & Subscriptions	-	-	-	1,800	1,800
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	65	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ -	\$ 65	\$ -	\$ 1,800	\$ 1,800
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive	-	(359)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ (359)	\$ -	\$ -	\$ -
	Total Operating Expenses	\$ 305,479	\$ 317,254	\$ 339,352	\$ 381,093	\$ 412,913
8000	Capital Purchases	-	-	2,000	-	-
	Total Expenditures	\$ 305,479	\$ 317,254	\$ 341,352	\$ 381,093	\$ 412,913

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WAREHOUSE 6120
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	152,111	160,636	153,416	158,566	166,862
4110	Overtime	219	844	-	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	84,152	92,579	105,857	137,101	150,538
	Personnel Services	\$ 236,483	\$ 254,060	\$ 259,274	\$ 295,667	\$ 317,401
4500	Fees & Subscriptions					
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	609	888	2,250	2,250	2,250
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 609	\$ 888	\$ 2,250	\$ 2,250	\$ 2,250
4600	Supplies	19,179	14,481	25,000	25,000	25,000
4700	Materials	4,835	4,272	3,500	5,000	5,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 24,014	\$ 18,753	\$ 28,500	\$ 30,000	\$ 30,000
5100	Automotive	(2,000)	(2,235)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	4,022	3,377	4,000	4,000	4,000
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 2,022	\$ 1,142	\$ 4,000	\$ 4,000	\$ 4,000
	Total Operating Expenses	\$ 263,127	\$ 274,842	\$ 294,024	\$ 331,917	\$ 353,651
8000	Capital Purchases	3,191	-	-	-	-
	Total Expenditures	\$ 266,317	\$ 274,842	\$ 294,024	\$ 331,917	\$ 353,651

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
AUTOSHOP 6130
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	244,864	265,393	248,694	256,840	269,594
4110	Overtime	2,254	1,205	500	2,500	2,500
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	127,503	135,283	165,001	208,107	228,410
	Personnel Services	\$ 374,621	\$ 401,881	\$ 414,195	\$ 467,447	\$ 500,503
4500	Fees & Subscriptions	10,679	12,610	8,710	9,220	9,220
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	5,292	1,632	1,000	6,000	1,000
5500	Insurance					
5600	Misc Expenses	1,436	1,633	967	1,500	1,500
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 17,407	\$ 15,875	\$ 10,677	\$ 16,720	\$ 11,720
4600	Supplies	20,211	16,247	19,000	19,500	19,500
4700	Materials	53	472	933	1,000	1,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 20,264	\$ 16,719	\$ 19,933	\$ 20,500	\$ 20,500
5100	Automotive	158,360	84,665	539,400	588,000	588,000
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	31,668	53,040	53,040	53,040
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	12,148	14,447	15,950	16,100	16,100
6500	Small Tools & Equipment	1,403	834	1,850	2,500	2,500
6600	Utilities	7,504	3,573	6,500	6,500	6,500
	District Operations	\$ 179,415	\$ 135,186	\$ 616,740	\$ 666,140	\$ 666,140
	Total Operating Expenses	\$ 591,706	\$ 569,660	\$ 1,061,545	\$ 1,170,807	\$ 1,198,863
8000	Capital Purchases	305,377	542,034	636,536	1,229,500	1,200,000
	Total Expenditures	\$ 897,083	\$ 1,111,694	\$ 1,698,081	\$ 2,400,307	\$ 2,398,863

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
FACILITIES & SYSTEM SUPERVISION 6210
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	159,357	171,273	153,657	245,083	162,194
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	53,556	60,014	68,979	95,785	98,379
	Personnel Services	\$ 212,914	\$ 231,287	\$ 222,636	\$ 340,868	\$ 260,573
4500	Fees & Subscriptions	475	270	200	1,800	1,800
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	32	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 475	\$ 302	\$ 200	\$ 1,800	\$ 1,800
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Operating Expenses	\$ 213,389	\$ 231,589	\$ 222,836	\$ 342,668	\$ 262,373
8000	Capital Purchases	-	-	-	-	-
	Total Expenditures	\$ 213,389	\$ 231,589	\$ 222,836	\$ 342,668	\$ 262,373

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
SYSTEM MAINTENANCE 6220
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	1,946,989	2,144,288	1,777,543	2,205,266	2,361,985
4110	Overtime	361,878	393,566	371,000	371,000	371,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	1,007,079	1,181,694	1,283,364	1,940,015	2,140,372
	Personnel Services	\$ 3,315,946	\$ 3,719,549	\$ 3,431,907	\$ 4,516,280	\$ 4,873,357
4500	Fees & Subscriptions	8,679	9,716	9,522	13,800	13,000
5200	Communications & Freight	(1)	-	-	-	-
5300	Debt Service					
5400	Taxes, Fees & Licenses	148,194	162,100	126,500	141,500	141,500
5500	Insurance					
5600	Misc Expenses	194	291	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 157,066	\$ 172,106	\$ 136,022	\$ 155,300	\$ 154,500
4600	Supplies	11,588	10,124	13,000	13,000	13,000
4700	Materials	218,340	228,401	203,500	233,500	233,500
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 229,928	\$ 238,525	\$ 216,500	\$ 246,500	\$ 246,500
5100	Automotive	6,647	4,865	500	500	500
5800	Construction Contracts	583,371	743,086	470,000	840,000	840,000
5900	Equipment & Fac Rental	187	-	5,000	5,000	5,000
6000	Rebates & Backflow					
6200	Professional Fees	12,180	20,104	20,000	40,000	50,000
6300	Repair & Maintenance	8,924	12,808	11,600	11,600	11,600
6500	Small Tools & Equipment	9,382	9,219	10,500	10,500	10,500
6600	Utilities	-	130	1,000	1,000	1,000
	District Operations	\$ 620,691	\$ 790,211	\$ 518,600	\$ 908,600	\$ 918,600
	Total Operating Expenses	\$ 4,323,632	\$ 4,920,391	\$ 4,303,029	\$ 5,826,680	\$ 6,192,957
8000	Capital Purchases	194,024	100,391	206,176	72,500	112,600
	Total Expenditures	\$ 4,517,656	\$ 5,020,782	\$ 4,509,205	\$ 5,899,180	\$ 6,305,557

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
FACILITY MAINTENANCE 6230
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	899,027	946,238	841,597	1,039,401	1,054,013
4110	Overtime	89,016	70,499	80,000	80,000	80,000
4190	Temporary	18,581	14,605	24,000	25,000	25,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	529,054	542,299	642,896	917,960	1,007,594
	Personnel Services	\$ 1,535,677	\$ 1,573,641	\$ 1,588,493	\$ 2,062,361	\$ 2,166,606
4500	Fees & Subscriptions	6,135	3,579	6,280	7,100	7,100
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	549	420	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 6,684	\$ 3,999	\$ 6,280	\$ 7,100	\$ 7,100
4600	Supplies	46,228	37,508	42,000	42,000	42,000
4700	Materials	58,883	62,279	66,000	67,000	67,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 105,111	\$ 99,786	\$ 108,000	\$ 109,000	\$ 109,000
5100	Automotive	(5,227)	(6,045)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,479	119	5,000	5,000	5,000
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	110,923	108,078	175,000	180,000	180,000
6500	Small Tools & Equipment	5,457	5,806	12,500	12,500	12,500
6600	Utilities	5,375	2,948	5,000	5,000	5,500
	District Operations	\$ 119,007	\$ 110,906	\$ 197,500	\$ 202,500	\$ 203,000
	Total Operating Expenses	\$ 1,766,480	\$ 1,788,333	\$ 1,900,273	\$ 2,380,961	\$ 2,485,706
8000	Capital Purchases	2,894	2,710	6,790	37,000	-
	Total Expenditures	\$ 1,769,373	\$ 1,791,043	\$ 1,907,063	\$ 2,417,961	\$ 2,485,706

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
SPECIAL PROJECTS 6240
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	477,716	376,747	953,567	507,305	551,236
4110	Overtime	55,196	29,641	43,000	43,000	43,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	429,224	276,263	640,530	494,518	548,180
	Personnel Services	\$ 962,136	\$ 682,651	\$ 1,637,097	\$ 1,044,824	\$ 1,142,416
4500	Fees & Subscriptions	2,698	3,555	5,865	5,865	5,865
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	7,617	3,325	6,750	6,750	6,750
5500	Insurance					
5600	Misc Expenses	129	65	-	-	-
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 10,444	\$ 6,945	\$ 12,615	\$ 12,615	\$ 12,615
4600	Supplies	700	2,398	2,500	2,500	2,500
4700	Materials	111,744	108,465	159,251	150,500	150,500
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 112,443	\$ 110,863	\$ 161,751	\$ 153,000	\$ 153,000
5100	Automotive	(5,035)	(3,479)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	5,632	2,323	3,500	3,500	3,500
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	-	-	2,000	2,000	2,000
6500	Small Tools & Equipment	46	744	4,000	4,000	4,000
6600	Utilities	70,977	51,875	110,000	110,000	110,000
	District Operations	\$ 71,620	\$ 51,462	\$ 119,500	\$ 119,500	\$ 119,500
	Total Operating Expenses	\$ 1,156,644	\$ 851,921	\$ 1,930,963	\$ 1,329,939	\$ 1,427,531
8000	Capital Purchases	109,098	-	8,500	8,500	8,500
	Total Expenditures	\$ 1,265,741	\$ 851,921	\$ 1,939,463	\$ 1,338,439	\$ 1,436,031

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATERSHED ADMINISTRATION 6710
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	330,523	354,950	345,859	346,765	365,428
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	145,602	157,218	181,183	250,459	276,327
	Personnel Services	\$ 476,125	\$ 512,168	\$ 527,042	\$ 597,224	\$ 641,756
4500	Fees & Subscriptions	8,081	2,695	2,070	3,500	3,500
5200	Communications & Freight	177	676	225	75	75
5300	Debt Service					
5400	Taxes, Fees & Licenses	4,579	2,903	2,760	2,835	2,835
5500	Insurance					
5600	Misc Expenses	7,898	3,198	4,200	4,300	4,300
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 20,735	\$ 9,472	\$ 9,255	\$ 10,710	\$ 10,710
4600	Supplies	3,436	3,573	3,450	4,470	4,470
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 3,436	\$ 3,573	\$ 3,450	\$ 4,470	\$ 4,470
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	4,169	4,317	4,442	4,360	4,360
6000	Rebates & Backflow					
6200	Professional Fees	-	-	-	52,500	-
6300	Repair & Maintenance	18,320	17,413	17,352	32,600	32,600
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 22,489	\$ 21,730	\$ 21,794	\$ 89,460	\$ 36,960
	Total Operating Expenses	\$ 522,784	\$ 546,944	\$ 561,541	\$ 701,864	\$ 693,896
8000	Capital Purchases	12,869	-	-	-	-
	Total Expenditures	\$ 535,653	\$ 546,944	\$ 561,541	\$ 701,864	\$ 693,896

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATERSHED PROTECTION 6720
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	564,343	560,563	529,214	549,650	590,556
4110	Overtime	60,201	85,207	95,011	95,417	96,551
4190	Temporary	28,438	34,484	36,800	38,513	38,513
4170	Director Fees					
4195	Contract Help	319,066	336,162	377,827	403,949	418,088
4200	Fringe Benefits	291,549	303,453	356,628	475,563	525,383
	Personnel Services	\$ 1,263,597	\$ 1,319,869	\$ 1,395,480	\$ 1,563,091	\$ 1,669,091
4500	Fees & Subscriptions	4,292	4,935	3,212	7,122	7,122
5200	Communications & Freight	398	283	1,648	1,648	1,648
5300	Debt Service					
5400	Taxes, Fees & Licenses	415	301	6,100	6,100	6,100
5500	Insurance					
5600	Misc Expenses	1,110	1,930	2,500	2,500	2,500
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 6,215	\$ 7,448	\$ 13,460	\$ 17,370	\$ 17,370
4600	Supplies	11,891	6,523	11,240	17,450	17,450
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 11,891	\$ 6,523	\$ 11,240	\$ 17,450	\$ 17,450
5100	Automotive	-	2,678	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	5,836	9,273	8,000	13,000	13,000
6500	Small Tools & Equipment	6,358	6,208	7,570	15,075	12,900
6600	Utilities	-	-	-	-	-
	District Operations	\$ 12,194	\$ 18,159	\$ 15,570	\$ 28,075	\$ 25,900
	Total Operating Expenses	\$ 1,293,896	\$ 1,351,999	\$ 1,435,750	\$ 1,625,986	\$ 1,729,811
8000	Capital Purchases	-	-	50,000	55,523	-
	Total Expenditures	\$ 1,293,896	\$ 1,351,999	\$ 1,485,750	\$ 1,681,509	\$ 1,729,811

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
FISHERIES 6730
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	247,476	211,869	227,814	234,952	247,516
4110	Overtime	483	1,696	1,100	1,200	1,200
4190	Temporary	15,806	15,912	18,355	18,500	18,500
4170	Director Fees					
4195	Contract Help	21,000	22,000	26,450	26,500	26,500
4200	Fringe Benefits	99,655	110,773	126,001	164,256	180,999
	Personnel Services	\$ 384,421	\$ 362,250	\$ 399,719	\$ 445,408	\$ 474,715
4500	Fees & Subscriptions	5,759	7,007	5,085	7,920	7,920
5200	Communications & Freight					
5300	Debt Service					
5400	Taxes, Fees & Licenses	104	-	5,000	2,500	2,500
5500	Insurance					
5600	Misc Expenses	65	50	2,883	3,200	3,200
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 5,927	\$ 7,057	\$ 12,968	\$ 13,620	\$ 13,620
4600	Supplies					
4700	Materials	105	688	2,200	2,100	2,100
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 105	\$ 688	\$ 2,200	\$ 2,100	\$ 2,100
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	1,011	10,000	15,000	15,000
6000	Rebates & Backflow					
6200	Professional Fees	116,482	79,640	244,804	114,000	87,500
6300	Repair & Maintenance					
6500	Small Tools & Equipment	9,169	6,019	26,410	15,500	15,500
6600	Utilities	-	-	-	-	-
	District Operations	\$ 125,652	\$ 86,670	\$ 281,213	\$ 144,500	\$ 118,000
	Total Operating Expenses	\$ 516,105	\$ 456,666	\$ 696,100	\$ 605,628	\$ 608,435
8000	Capital Purchases	-	-	-	-	-
	Total Expenditures	\$ 516,105	\$ 456,666	\$ 696,100	\$ 605,628	\$ 608,435

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
VEGETATION & WILDLIFE MANAGEMENT 6740
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	242,803	267,718	312,444	322,568	339,924
4110	Overtime	1,644	2,559	8,341	8,076	9,518
4190	Temporary	67,790	76,545	109,923	129,220	152,290
4170	Director Fees					
4195	Contract Help	-	-	-	-	60,000
4200	Fringe Benefits	149,129	165,914	190,299	246,291	272,371
	Personnel Services	\$ 461,365	\$ 512,735	\$ 621,007	\$ 706,156	\$ 834,103
4500	Fees & Subscriptions	6,544	3,604	6,230	10,850	9,650
5200	Communications & Freight	180	225	3,250	4,000	4,000
5300	Debt Service					
5400	Taxes, Fees & Licenses	53	-	-	-	-
5500	Insurance					
5600	Misc Expenses	10,091	13,911	18,330	15,350	15,350
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 16,867	\$ 17,740	\$ 27,810	\$ 30,200	\$ 29,000
4600	Supplies	437	-	-	-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 437	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	357,312	209,760	223,059	190,200	408,500
6300	Repair & Maintenance	-	578	-	-	-
6500	Small Tools & Equipment	10,102	35,107	10,000	20,000	20,000
6600	Utilities	-	-	-	-	-
	District Operations	\$ 367,414	\$ 245,445	\$ 233,059	\$ 210,200	\$ 428,500
	Total Operating Expenses	\$ 846,084	\$ 775,920	\$ 881,876	\$ 946,556	\$ 1,291,603
8000	Capital Purchases	-	-	34,183	75,000	14,000
	Total Expenditures	\$ 846,084	\$ 775,920	\$ 916,059	\$ 1,021,556	\$ 1,305,603

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
WATERSHED MAINTENANCE 6750
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018	2019
					Proposed	Proposed
4100	Regular Salaries & Wages	688,268	638,853	562,096	597,061	630,646
4110	Overtime	21,089	25,835	18,206	21,000	21,000
4190	Temporary	77,430	58,504	96,691	99,592	102,578
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	283,341	312,257	351,300	490,843	536,924
	Personnel Services	\$ 1,070,127	\$ 1,035,450	\$ 1,028,293	\$ 1,208,496	\$ 1,291,149
4500	Fees & Subscriptions	6,662	1,289	4,114	5,250	5,250
5200	Communications & Freight	10	-	150	-	-
5300	Debt Service					
5400	Taxes, Fees & Licenses	818	1,539	1,500	1,575	1,575
5500	Insurance					
5600	Misc Expenses	329	572	3,250	500	500
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 7,818	\$ 3,400	\$ 9,014	\$ 7,325	\$ 7,325
4600	Supplies	2,741	2,422	2,050	2,550	2,550
4700	Materials	29,418	13,498	33,560	32,865	32,365
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ 32,159	\$ 15,920	\$ 35,610	\$ 35,415	\$ 34,915
5100	Automotive	5,451	1,125	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	39,063	36,464	45,970	50,000	50,000
6000	Rebates & Backflow					
6200	Professional Fees	-	9,681	-	-	-
6300	Repair & Maintenance	511,366	663,414	653,923	847,500	1,093,750
6500	Small Tools & Equipment	7,627	7,913	7,610	8,200	8,200
6600	Utilities	13,235	14,202	14,850	15,850	15,850
	District Operations	\$ 576,742	\$ 732,799	\$ 722,353	\$ 921,550	\$ 1,167,800
	Total Operating Expenses	\$ 1,686,846	\$ 1,787,568	\$ 1,795,270	\$ 2,172,786	\$ 2,501,189
8000	Capital Purchases	163,191	-	-	-	-
	Total Expenditures	\$ 1,850,037	\$ 1,787,568	\$ 1,795,270	\$ 2,172,786	\$ 2,501,189



MARIN MUNICIPAL WATER DISTRICT

INTER-DEPARTMENTAL

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
INTER-DEPARTMENTAL
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages	\$ -	\$ -	\$ -	\$ -	\$ -
4110	Overtime	-	-	-	-	-
4190	Temporary	-	-	-	-	-
4170	Director Fees	-	-	-	-	-
4195	Contract Help	-	-	-	-	-
4200	Fringe Benefits	<u>3,815,572</u>	<u>3,290,745</u>	<u>3,803,000</u>	-	-
	Personnel Services	\$ 3,815,572	\$ 3,290,745	\$ 3,803,000	\$ -	\$ -
4500	Fees & Subscriptions	160,554	185,012	176,859	539,646	243,746
5200	Communications & Freight	31,063	48,046	43,700	43,700	43,700
5300	Debt Service	6,726,440	6,878,665	8,143,348	9,421,976	10,200,976
5400	Taxes, Fees & Licenses	19,975	50	-	500	75,500
5500	Insurance	1,141,719	1,849,921	1,145,000	1,250,000	1,260,000
5600	Misc Expenses	454,234	19,931	345,024	491,600	491,600
5700	Depreciation/Amortization	10,776,550	11,032,196	11,464,222	11,716,300	11,716,300
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 19,310,536	\$ 20,013,821	\$ 21,318,153	\$ 23,463,722	\$ 24,031,822
4600	Supplies	56,357	51,966	58,825	60,800	60,800
4700	Materials	-	-	-	-	-
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	<u>6,720,104</u>	<u>5,732,110</u>	<u>7,455,000</u>	<u>6,363,399</u>	<u>6,674,509</u>
	Materials & Supplies	\$ 6,776,461	\$ 5,784,076	\$ 7,513,825	\$ 6,424,199	\$ 6,735,309
5100	Automotive	-	-	-	-	-
5800	Construction Contracts	-	-	-	-	-
5900	Equipment & Fac Rental	21,245	21,247	21,250	21,250	21,250
6000	Rebates & Backflow	-	-	-	-	-
6200	Professional Fees	105,712	170,385	168,390	145,600	145,600
6300	Repair & Maintenance	86,240	83,100	96,798	97,000	97,000
6500	Small Tools & Equipment	-	-	-	-	-
6600	Utilities	<u>3,178,894</u>	<u>3,277,898</u>	<u>4,726,800</u>	<u>3,657,000</u>	<u>3,787,000</u>
	District Operations	\$ 3,392,091	\$ 3,552,629	\$ 5,013,238	\$ 3,920,850	\$ 4,050,850
	Total Operating Expenses	\$ 33,294,660	\$ 32,641,271	\$ 37,648,216	\$ 33,808,771	\$ 34,817,981
8000	Capital Purchases	\$ 13,499	\$ 15,507	\$ 56,574	\$ 30,000	\$ 30,000
	Total Expenditures	\$ 33,308,159	\$ 32,656,778	\$ 37,704,790	\$ 33,838,771	\$ 34,847,981

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
DEBT SERVICE/DEPRECIATION/AMORTIZATION 7010
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 <i>Proposed</i>	2019 <i>Proposed</i>
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	-	-
	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
4500	Fees & Subscriptions					
5200	Communications & Freight					
5300	Debt Service	6,726,440	6,878,665	8,143,348	9,421,976	10,200,976
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses					
5700	Depreciation/Amortization	10,776,550	11,032,196	11,464,222	11,716,300	11,716,300
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 17,502,990	\$ 17,910,861	\$ 19,607,570	\$ 21,138,276	\$ 21,917,276
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	21,245	21,247	21,250	21,250	21,250
6000	Rebates & Backflow					
6200	Professional Fees	-	-	80,000	80,000	80,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 21,245	\$ 21,247	\$ 101,250	\$ 101,250	\$ 101,250
	Total Operating Expenses	\$ 17,524,235	\$ 17,932,108	\$ 19,708,820	\$ 21,239,526	\$ 22,018,526
8000	Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenditures	\$ 17,524,235	\$ 17,932,108	\$ 19,708,820	\$ 21,239,526	\$ 22,018,526

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
INTER-DEPARTMENTAL 7020
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	3,815,572	3,290,745	3,803,000	-	-
	Personnel Services	\$ 3,815,572	\$ 3,290,745	\$ 3,803,000	\$ -	\$ -
4500	Fees & Subscriptions	160,554	185,012	176,859	539,646	243,746
5200	Communications & Freight	3,336	3,516	3,700	3,700	3,700
5300	Debt Service					
5400	Taxes, Fees & Licenses	19,975	50	-	500	75,500
5500	Insurance	1,141,719	1,849,921	1,145,000	1,250,000	1,260,000
5600	Misc Expenses	454,234	19,931	345,024	491,600	491,600
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 1,779,818	\$ 2,058,430	\$ 1,670,583	\$ 2,285,446	\$ 2,074,546
4600	Supplies	-	-	-	-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	99,504	75,706	75,379	65,600	65,600
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ 99,504	\$ 75,706	\$ 75,379	\$ 65,600	\$ 65,600
	Total Operating Expenses	\$ 5,694,895	\$ 5,424,882	\$ 5,548,962	\$ 2,351,046	\$ 2,140,146
8000	Capital Purchases	13,499	15,507	56,574	30,000	30,000
	Total Expenditures	\$ 5,708,394	\$ 5,440,389	\$ 5,605,536	\$ 2,381,046	\$ 2,170,146

**MARIN MUNICIPAL WATER DISTRICT
OPERATING BUDGET COMPARATIVE EXPENDITURES
GENERAL & ADMINISTRATIVE MAINTENANCE 7040
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2015 Actual	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	-	-
	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
4500	Fees & Subscriptions					
5200	Communications & Freight	27,728	44,529	40,000	40,000	40,000
5300	Debt Service					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses					
5700	Depreciation/Amortization					
7000	Agency Expenses	-	-	-	-	-
	General & Admin	\$ 27,728	\$ 44,529	\$ 40,000	\$ 40,000	\$ 40,000
4600	Supplies	56,357	51,966	58,825	60,800	60,800
4700	Materials					
4900	Chemicals					
5000	Water Purchases	6,720,104	5,732,110	7,455,000	6,363,399	6,674,509
	Materials & Supplies	\$ 6,776,461	\$ 5,784,076	\$ 7,513,825	\$ 6,424,199	\$ 6,735,309
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	6,208	94,679	13,011	-	-
6300	Repair & Maintenance	86,240	83,100	96,798	97,000	97,000
6500	Small Tools & Equipment	-	-	-	-	-
6600	Utilities	3,178,894	3,277,898	4,726,800	3,657,000	3,787,000
	District Operations	\$ 3,271,342	\$ 3,455,676	\$ 4,836,609	\$ 3,754,000	\$ 3,884,000
	Total Operating Expenses	\$ 10,075,530	\$ 9,284,282	\$ 12,390,434	\$ 10,218,199	\$ 10,659,309
8000	Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenditures	\$ 10,075,530	\$ 9,284,282	\$ 12,390,434	\$ 10,218,199	\$ 10,659,309



Marin Municipal Water District

Capital Purchase & Improvement Program

FISCAL YEAR 2017/2018 AND
2018/2019

CAPITAL IMPROVEMENT PROGRAM BUDGET

The district's Capital Improvement Program (CIP) consists of the Five-Year Capital Improvement Program and the Two-Year Capital Improvement Program Budget. The Five-year CIP guides long-range policy, prioritizes and schedules capital projects for the five year period, and establishes a plan for generating the financial resources to complete these capital projects.

The first two years of expenditures in the Five-Year CIP comprise the district's Two-Year CIP Budget. By adopting the Two-Year CIP Budget, the Board authorizes the initiation of project expenditures in fiscal years 2018 or 2019.

Capital assets are real or personal property that has a unit acquisition cost equal to or greater than \$2,000 and an estimated life greater than one year. Most assets only achieve their useful life as the result of periodic maintenance or repairs. Normal routine upgrade, maintenance and repairs, including the purchase of replacement parts, are funded through the Operating Budget. Capital assets are acquired by the district through a capital outlay purchase from the Operating Budget or through the CIP Budget. A capital outlay is usually for the purchase of a single asset, such as the purchase of a new vehicle or backhoe.

Capital improvement projects are generally defined as follows:

1. Nonrecurring rehabilitation, replacement or major repair with a minimum cost of \$2,000. These generally include:
 - a. Repaving of facility access roads.
 - b. Installation of a new roof.
 - c. Repainting and coating of reservoirs, storage tanks and major equipment.
 - d. A major water meter replacement project.
 - e. Rehabilitation or replacement of existing facilities and equipment, which are not routine maintenance.
2. Construction of a Public Works project in accordance with California Labor Code Section 1720 with a minimum cost of \$2,000.
3. Significant one-time investments in tangible goods, the benefit of which will accrue over several years. Examples include large initial investments or improvements in technology and software, or the purchase of a new telephone system.
4. Engineering studies and services that lead to, or are directly related to, capitalized facilities. These include professional design services, and preparation of asset management plans, master plans, and capital improvement plans.

Non-capitalized projects include recurring, normal and routine maintenance projects. Examples include repair of potholes and fencing, spot roof patching, annual equipment maintenance, annual and on-going water meter replacement, engineering studies and plans that do not lead to or are not related to capitalized facilities, such as the Urban Water Management Plan and on-going and

routine computer hardware and software upgrades not related to the CIP.

The Five-year CIP total amount is \$199,296,000. The first two years of expenditures in the Five-Year CIP comprise the district’s Two-Year CIP Budget and total \$70,215,000. This two-year total includes \$3,760,000 in Reimbursable Projects, which are projects undertaken by the District at the specific request of a customer and are paid for by the customer, and may or may not occur depending on the amount of customer activity. As shown in the summary table below, the Two-year CIP total budget, not including Reimbursable Projects, is \$66,455,000.

**Two-Year CIP Budget
FYs 18 and 19**

Category	FY 2017-2018	FY 2018-2019	Total
Watershed ¹	\$8,181,000	\$7,529,000	\$15,710,000
General Improvements	\$6,245,000	\$4,965,000	\$11,210,000
Pipelines and Storage	\$14,130,000	\$19,110,000	\$33,240,000
Treatment Plants	\$3,930,000	\$2,365,000	\$6,295,000
Subtotal	<u>\$32,486,000</u>	<u>\$33,969,000</u>	<u>\$66,455,000</u>
Reimbursable Projects	\$1,880,000	\$1,880,000	\$3,760,000
Grand Total	\$34,366,000	\$35,849,000	\$70,215,000

District capital improvement projects are distinguished by their type – replacements or system improvements. The first section describes replacement type capital improvements and is followed by a discussion on system improvement projects. The capital improvement budget for FY 2018 and FY 2019 is shown at the end of each section.

1 REPLACEMENTS

1.1 Cathodic Protection (A1A01)

When the corrosion protection program began in the early 1960s, the district was responding to an average of 1,400 water system leaks and breaks per year. Most of these leaks and breaks occurred on metallic piping systems. This was an average of 4 per day. To address this problem, the district established a corrosion protection program in 1962. Leaks and breaks on the district’s water system have declined to approximately 200 per year. Much of this decline can be attributed to the district’s corrosion control program. The goal of the program is to eliminate corrosion as a limiting factor in the life of district facilities.

The district currently has 6,691 corrosion test stations. Of these, 5,210 use sacrificial anodes (passive) to control corrosion. The remaining test stations are part of the 138 systems that utilize impressed current from rectifiers to provide corrosion control. In total, the corrosion test stations protect approximately 423 miles of piping (47% of all district piping), 108 metallic storage tanks and four treatment facilities. For comparison, in 1990 there were approximately 2,800 corrosion test

¹ Watershed includes all projects conducted on the District’s watershed including dams, reservoirs, road and slide repairs, and habitat improvements.

stations protecting 224 miles of piping and 50 metallic storage tanks.

Passive systems on piping are monitored on a six year cycle; passive systems for storage tank interiors are monitored annually; and impressed current systems are monitored semi-annually. The semi-annual maintenance for impressed current systems provides only for testing of the rectifier and a remote test station. Full system checks of impressed current systems are performed on a six year cycle. Maintenance work provides the data from which other corrosion capital projects are planned. These projects include: Corrosion Test Station Rehabilitation, Cathodic Protection System Corrections, Rectifier Anode Replacement and the Tank Recoating program.

Corrosion Test Station Rehabilitation Program. The typical design life of magnesium anodes is 20 years. Magnesium anodes gradually dissolve over their design life as they provide a protective current to the pipeline or structure. Once an anode is depleted, it needs to be replaced in order to maintain the effectiveness of the cathodic protection system. Maintaining the operation of cathodic protection systems is a cost-effective means of preventing premature failure and/or replacement. This program supports annual replacement of approximately 150-200 anodes as determined by periodic testing.

FY 18 \$90,000

FY 19 \$90,000

Cathodic Protection System Corrections. This program addresses the replacement of failed flange insulating kits and clearing of contacts with foreign structures. Electrical isolation of dissimilar metals and foreign structures (e.g. other utility conduits, abandoned piping etc.) is critical to the effectiveness of the district's cathodic protection systems. Electrical isolation is achieved through the use of short sections of PVC pipe (typically three feet long) or flange insulating kits. PVC pipe has proven to be an excellent insulator, and to date, there have been no failures (electrical shorting) of PVC insulators. However, flange-insulating kits have failed. Failure to replace faulty insulators causes cathodic protection systems to lose their effectiveness resulting in premature and unnecessary pipeline failures. Approximately 10 flange insulating kits are replaced each year.

FY 18 \$160,000

FY 19 \$160,000

Rectifier Anode (ground bed) Replacement. The typical design life for rectifier ground beds is 30 years. Similar to magnesium anodes, these ground beds gradually dissolve over their design life as they provide protective current to the pipeline or structure; and once depleted, need to be replaced in order to maintain effectiveness of the rectifier system. The annual budget for this program is \$50,000, which will fund replacement of two rectifier ground beds.

FY 18 \$50,000

FY 19 \$50,000

Tank Recoating Program. In addition to providing metallic pipeline protection, the Corrosion Control program also protects the district's 107 metallic storage tanks and 10 hydro-pneumatic pressure tanks. Corrosion protection of these facilities is provided by a system of anodes suspended in the storage tanks and buried near the tanks, and/or protective coatings applied to the interior

and exterior of the tanks.

Coatings and linings are an integral part of corrosion control, as they provide a barrier between the structure and a corrosive environment. Over time, the coatings and linings deteriorate and require spot repair or complete removal. To monitor this deterioration, corrosion control staff performs periodic surveys of tank coatings. The surveys determine which tanks are in need of coating repair and provide data for future coating maintenance projects. Corrosion control staff also work with water quality staff to ensure that interior tank coatings and linings are in compliance with State Water Resources Control Board drinking water requirements. Prioritization of tanks requiring re-coating is based on maintaining water quality and the current requirement for interior cathodic protection. Scheduling of seismic upgrade projects and the ability to remove a tank from service can affect the prioritization. Tank coating will be deferred to allow for completion of a seismic upgrade project so as to avoid damage to newly applied coating. In some cases, a tank cannot be removed from service without significant temporary storage or distribution system upgrades. In order to continue achieving the benefits of the corrosion protection program, steel tanks should ideally be recoated on 20-25 year intervals. The current recoating rate exceeds 40 years, and is primarily dictated by the ability to remove a tank from service and funding. The current tank recoating priority list is shown in the table below.

Tank Recoating Priority List

Priority	Tank	Capacity (MG)	Year Constructed
1	Ind. Fire Trail	0.25	1970
2	Scott Highlands	0.25	1968
3	Tenn Valley	1.00	1971
4	Smith Saddle 1	5.00	1961
5	Smith Saddle 2	5.00	1961
6	Loch Lomond	1.00	1954
7	Escalle	1.00	1970
8	Conifer Way	0.50	1968
9	Greenbrae	1.50	1956
10	Hawthorne Upper	2.00	1928
11	Canyon Village	1.50	1975
12	Mine Ridge	0.25	1995
13	Fairfax Grade	0.50	1957

Recoating of Smith Saddle 1 is scheduled to occur in FY 20, with Smith Saddle 2 being recoated in FY 22. In FY 17-18 and 18-19 we anticipate recoating Indian Fire Trail, Scott Highlands, and Tennessee Valley Tanks.

FY 18 \$1,000,000

FY 19 \$1,000,000

1.2 Distribution Pipelines (A1A02A) and Transmission Pipelines (A1A03)

The district has approximately 884 miles of potable distribution and transmission system piping in service. Over 1.5 miles is from the 1800s. Approximately 15 miles is more than 100 years old. However, most of the existing installed pipes do not last this long. Only about 49% of the district

piping system is comprised of modern long life welded steel or PVC. Over 345 miles of the district’s pipe system is comprised of pipe materials that are problematic and prone to failure: galvanized threaded steel pipe (GTP – 22 miles), lock converse joint pipe (LCP – 7 miles), and cast iron (CI – 316 miles). These pipe materials total over 40% of the district’s water system. The remaining 11% of system piping is not necessarily leak prone but presents other inherent risks such as asbestos cement pipe and concrete cylinder pipe. Water main breaks result in treated water loss, damage to public and private infrastructure, public disruption, and divert district resources. Cast iron pipe can be particularly problematic because the failure mode is often catastrophic and usually releases a significant amount of water.

Pipeline Replacement Program. The objective of this program is to maintain and improve the level of service, quality and safety of the district’s distribution and transmission piping system. Projects in this program provide for replacement of worn and deteriorated transmission and distribution system piping. Pipeline segments are selected for inclusion in this program based primarily on leak history with consideration of other factors discussed below. A segment’s leak history is the primary indicator used to assess pipe condition and remaining service life. The district maintains records of all leaks and leak repairs. Staff utilizes the district’s GIS to identify pipe segments with a significant leak rate (generally ≥ 1 leak/year/1,000 ft pipe). The segments identified through this process are added to the pipeline replacement (leak) list. Pipe segments on the leak list undergo a thorough investigation to determine their complete leak history, year installed, type of pipe material, as-installed details and potential real property issues. Pipeline replacements are prioritized primarily based on leak rate and risk related to damages to the environment or property in the event of a main break. Special consideration is given to pipelines in close proximity to salmonid bearing streams. Finally, when given adequate notification, the district endeavors to replace pipeline segments in advance of planned street work that coincide with pipe segments on the pipeline replacement list or that may be disturbed by the construction. The FY 18 budget for pipeline replacement is \$5,250,000, with \$6,950,000 budgeted for FY 19 and will support replacement of approximately 8 miles of pipe

FY 18 \$5,250,000
FY 19 \$6,950,000

Some of the planned locations of pipes to be replaced in FYs 18 and 19 are shown in the table below. The remainder will be developed at the beginning of each fiscal year.

**Pipeline Replacement Locations for
 FYs 18 and 19**

Town	Street(s)	Pipe Length (ft)	Install Year
Kentfield	Sir Francis Drake, from Manor Road to Ross Terrace	5,300	1920s
San Anselmo	Butterfield Rd, from Sir Francis Drake to Arroyo Rd	5,000	1920s
Mill Valley	East Blithedale, from Camino Alto to Dell Street	5,400	1920s
Larkspur	Riviera Circle	7,000	1968

Larkspur	Elm Ave, Pepper Ave, Bayview Ave, Alexander Ave	5,700	1920s
San Rafael	3 rd St, from Irwin St to 4 th St	4,000	1920s
San Rafael	Rice Dr, from DuBois St to Francisco Blvd	500	1969
Tam Valley	Laverne, from Montford Ave to Scott St	5,000	1917
San Rafael	McInnis Parkway	1,600	1977
Ross	Easement near Mesa Vista Tank	1,000	1948
TOTAL LENGTH		40,500	

1.3 Fire Flow Improvement Program

On May 17, 2012, the district Board approved the Fire Flow Improvement Program (FFIP) which extended the Fire Flow Fee of \$75 per year for nineteen years, and provides \$4.5M annually for investment in fire flow improvement projects. The FFIP proposes to replace 52 miles of fire-flow deficient pipe, comprising 49 miles of distribution piping and 3 miles of transmission piping. The locations of pipes to be replaced during FY 18 and FY 19 are shown in the table below, which shows a total of 27,250 feet (5.2 miles) of undersized pipe to be replaced.

FFIP Replacement Locations for FY 18 and FY 19

Town	Street(s)	Pipe Length (ft)	Install Year
Mill Valley	Lomita, Chapman, Manor, Stanford, Cleveland	4,000	1932-1957
San Anselmo	Morningside, Brookside, Brookside Ct, Brookside Dr, Meadowcroft, Stone	4,200	1924-1941
San Rafael	Oak Ridge, Knoll, Ranch,	1,950	1948-1953
Corte Madera	Meadow Valley, Sausalito, Montecito	2,100	1946
Tiburon	Paradise Drive, Trestle Glen	15,000	1942
TOTAL LENGTH		27,250	

FY 18 \$4,500,000

FY 19 \$4,500,000

The pipeline replacement program and Fire Flow Improvement Program in combination are scheduled to replace a total of 13.2 miles of pipe over FYs 18 and 19, which represents an annual replacement rate of 0.7%. At this rate, it will take over 130 years to replace all of the District's pipelines. We anticipate increasing the rate of replacement in future years, with the goal of achieving a replacement rate of 1.0%.

1.4 Treatment Plants (A1A04)

The district's three water treatment facilities are an essential element in providing high-quality water for our customers. The oldest facility is the Bon Tempe Water Treatment Plant, constructed

in the 1950s. This plant annually provides about 25% of the district's potable water supply and has a maximum short term capacity of 20 million gallons per day (mgd). The largest facility is the San Geronimo Water Treatment Plant, originally constructed in 1962, and upgraded in 1972. This facility is located in the San Geronimo Valley, has a maximum short term capacity of 35 mgd, and annually provides over 50% of the district's potable water supply. The Ignacio Treatment Plant was constructed in 1975 and comprises of a pump station, emergency generator, and chemical treatment facilities to condition water imported from the Sonoma County Water Agency. Imported water annually provides about 25% of the district's potable water supply. The district also operates the Las Gallinas Water Recycling Facility. This facility was originally constructed in 1981 and expanded in 1989 to provide 2 mgd capacity. The district has approximately 342 recycled water customers. This facility annually offsets potable water demands by 520 acre-feet.

Capital projects at the treatment plants address three main functional areas: Structure, primary treatment unit processes, and secondary unit processes. The primary structural features of the Bon Tempe and San Geronimo treatment plants are concrete structures such as mixing chambers, circular up-flow clarifiers, filter basins, clear-wells, backwash water ponds, chemical rooms, the pipe galleries and the control rooms. These structures contain the various mechanical and electrical elements of the treatment process and therefore must be maintained structurally sound and resistant to seismic events. Capital projects that target the unit processes at the treatment plants are identified via a collaborative process with input from the Superintendent of Water Treatment, the Maintenance department and Engineering. The Capital projects typically seek to extend the life, improve the reliability and functionality of the unit processes. Capital projects are evaluated on a number of criteria including reliability, consequence of failure, cost and feasibility. Once the capital projects are identified, they are typically budgeted, designed and implemented by an engineer with a water quality background with assistance from other district engineering staff or consulting resources as required.

Capital work at the treatment plants is guided by the Treatment Plant Master Plan, completed in September 2015, and includes seismic and process upgrades to both facilities. Specific activities to be conducted at both Bon Tempe and San Geronimo over the next five years include:

Treatment Plants Filter Upgrade & Seismic Rehabilitation: This project will strengthen the water treatment plant filtration system to withstand a major seismic event as well as provide new underdrains and replace the filter surface wash with an air scour system to improve backwashing efficiency at San Geronimo. Construction began in November 2016 and is scheduled to be completed in December 2017.

Treatment Plant Seismic and Reliability Upgrade. This project includes design and construction of several elements described in the Water Treatment Master Plan over the next six years. Included in the FY18 and FY 19 budget cycle is \$2,690,000 in funds to design the following project elements:

- SGTP Clarifier Seismic Upgrade: Replace clarifier mechanisms and ensure that clarifiers can withstand major seismic event.
- PAC feed system at SGTP to address algae caused taste and odor.
- Solids handling upgrade at SGTP- installation of mechanical dewatering equipment to address marginal sludge drying capacity.

The FY 18 and FY 19 budgets for this category are shown below:

FY 18 \$3,930,000

FY 19 \$2,365,000

1.5 Reservoir/Dam Facilities (A1A05)

The district's seven reservoirs supply about 75% of the water used by our customers. Six of the reservoirs were formed by constructing earth fill dams across naturally occurring valleys. The embankments range in height from about 50 feet, at the oldest reservoir, Lake Lagunitas, to over 225 feet at Kent Lake. The seventh reservoir, Lake Alpine, was formed by placing a 140 foot high concrete gravity dam across a narrow canyon on upper Lagunitas Creek.

While some of the reservoirs are over 100 years old, the major facilities were mostly constructed within the last 60 years. CIP projects in this category consist mainly of maintaining reservoir system appurtenances such as control valves, dam instrumentation and aeration systems. The total FY 18 and 19 budget for this category is described below.

FY 18 \$1,810,000

FY 19 \$900,000

Two specific projects of interest in this budget category are described as follows.

Soulajule Environmental Enhancement. The Regional Board is requiring the district to implement a study plan to investigate the potential for methylmercury bioaccumulation and production in Soulajule Reservoir and its downstream water body, Arroyo Sausal. The Regional Board made this directive as part of the implementation plan for the Walker Creek Watershed Mercury Total Maximum Daily Load (TMDL). The district completed and submitted the *Soulajule Reservoir Mercury and Bioaccumulation Study* in 2013, and is conducting ongoing follow up studies. This project anticipates the potential need to identify effective methylmercury control measures including the potential need to install a Hypolimnetic aeration system at Soulajule Reservoir. The project is budgeted in FYs 18 and 19 at \$500,000 each.

Soulajule Grazing Waiver Compliance. Regional Water Quality Control Board has required the district to participate in the grazing waiver program. One element they have requested is a plan to prevent cattle accessing the reservoir. This project seeks to install fencing and water troughs for cattle.

1.6 Buildings and Grounds (A1A06)

This program provides miscellaneous pavement replacement at district facilities, fencing repair and vandalism deterrent projects, retaining wall repair and replacement, and capital repairs to the Administration Building office and Corporation Yard.

The Administrative Office Building (AOB) was constructed in 1962 and the Corporation Yard was constructed in 1965. With nearly 50 years of use, both of these structures are in significant need of upgrading. A comprehensive review to determine all of the work needed was completed in 2015. Changes are needed to both buildings to bring the interior and exterior into

compliance with the Americans with Disabilities Act. Other needed improvements include renovating interior wall and ceiling finishes, replacing inefficient windows and other improvements necessary to resist inclement weather, upgrading the HVAC system, replacing floor and carpeting, upgrading electrical and lighting areas, reconfiguring offices and workstations, installation of fire sprinklers, sewer lateral replacement, and upgrading the kitchen. The district replaced the roof in summer 2015 on an emergency basis.

FY 18 \$915,000

FY 19 \$465,000

1.7 Transmission Pumps (A1A07) and Distribution Pumps (A1A08)

The district has 94 active potable pump stations containing 196 pumps in service. Eleven stations and 37 pumps are classified as transmission pumps. These facilities include the district's largest pumping stations and are used to move untreated water between reservoirs, treated and untreated water to and from treatment plants and treated water to the transmission system. The transmission pumps are critical to the treatment and distribution of water to our customers. Many of these pumps are heavily used and log many hours of operating time. In addition, the transmission pumps often cost more than \$100,000 and require six months or more of lead time for delivery. The district closely monitors the operation and performance of these pumps. Replacement or overhaul of these pumps and motors are required every 10 to 20 years to assure their reliable and efficient operation. Due to their size and heavy use, the energy savings produced by regularly overhauling these pumps and motors often results in significant operating cost savings to the district. The pump/motors selected for overhaul/replacement are chosen based upon performance testing, operating hours and age/years since the last overhaul.

The remaining 83 stations and 159 pumps are classified as distribution pumps. These smaller stations deliver treated water to higher elevation neighborhoods throughout the district. The distribution pumps generally log fewer hours, have standby pumping capacity and are more readily available than the larger transmission pumps. As a result, these pumps are generally operated until they fail and are no longer repairable. The expected life of these pumps and motors is about 50 years.

Prioritization for pump station replacements is based on the following factors; station age, condition, type of construction, adequacy of interior space, station access, lack of standby pump and pump adequacy. The current priority list for Pump Station Replacements is shown in the table below. It is recommended that one or two of these projects be completed per year.

Pump Station Upgrade/Replacement Priority List

Priority	Name	City/Location	Year Constructed	Comments
1	Fairfax Manor 1st Lift	Fairfax	1954	Small building, landslide susceptibility, poor access
2	Hind	San Rafael	1956	Poor condition, small building
3	Sausalito Blvd	Sausalito	Unknown	Small building, poor access, pump adequacy issues
4	Federal Works	Corte Madera	1943	Poor condition, small building
5	Tocaloma Pump Station	Nicasio	1961	Limited to minimum flow of 15 mgd prevents use during winter months.
6	Sausalito Pump House	Sausalito	Unknown	Poor condition & space utilization, pump adequacy issues
7	Bret Harte	Greenbrae	1958	Small building, poor access, pump adequacy issues
8	Crescent Avenue	Sausalito	1959	Small building, poor access, pump adequacy issues
9	Mesa Vista	San Rafael	1961	Small building, poor access, pump adequacy issues
10	Fairview Park (Lattie Lane)	Tam Valley	1969	Small building, no standby pump
11	Tiburon Booster	Tiburon	Unknown	Poor condition. Motor starters and controls only
12	Cascade	Fairfax	Unknown	Poor condition, small building
13	Redwood Drive Lower (Madrone)	San Geronimo Valley	Unknown	No Standby Pump
14	Scenic Avenue	San Anselmo	1981	No Standby Pump, landslide susceptibility, pump adequacy

The total FY 18 and 19 budget for this category is presented below.

FY 18 \$935,000
FY 19 \$2,535,000

1.8 Control Systems (A1A09)

The Supervisory Control and Data Acquisition (SCADA) System and process control systems are used to control and monitor flows of water throughout the district using approximately 193 remote sites and the central control facility at the Corporation Yard. The SCADA system is the district's computer system for gathering and analyzing real time data about the district's water distribution and treatment systems. Remote sites include pump station, storage tank, control valve, and reservoir sites. In addition, SCADA and process control systems are used at the district's two surface water treatment plants (San Geronimo and Bon Tempe), one water quality plant (Ignacio) and one recycled water treatment plant (Las Gallinas). Systems at these facilities are used to control and monitor the treatment, production, and distribution of water. For FY 18 and 19, complete

replacement of the Remote Terminal Units (RTUs) and SCADA hardware/software will occur.

SCADA System – Replace Hardware/Software. The District's Supervisory Control and Data Acquisition (SCADA) system is a computer system used to monitor and control the District's water delivery and treatment system. SCADA is a critical component of the District's operations, and not a single drop of water is moved without the use of SCADA. The SCADA system is comprised of hardware, such as computers and servers, human machine interface (HMI) software, communication interface, and electronic field connection controllers, which are either remote terminal units (RTUs) or programmable logic controllers (PLCs). The SCADA system hardware and software communicates with approximately 200 RTUs and PLCs that are located at various sites, such as treatment plants, pump stations, and tanks, throughout the District's water system. The RTUs and PLCs send data from the field to the SCADA hardware and software, and this data is used to help operations and engineering treat and deliver water to the District's 189,400 customers.

The District's SCADA has reached the end of its useful life – the software resides on Dell PCs from 2003 and the software is from 2005. The district needs to move ahead with upgrading or replacing the existing SCADA system. In spring 2017, the district initiated preparation of the technical specifications to support a request for proposals to upgrade or replace the system. We anticipate issuing the RFP in FY 2018, with project completion set for FY 2019.

FY 18 \$1,335,000
FY 19 \$1,535,000

1.9 Storage Tanks (A1A11)

MMWD has 130 storage tanks with a capacity of 82 million gallons. These tanks are of vastly different ages and a variety of materials (redwood, welded steel, bolted steel, riveted steel, concrete), all requiring differing maintenance and capital investment. The oldest tank, the Forbes Reservoir, originally constructed in 1894, received a new liner and cover in 2015. There are eight riveted steel tanks which date before 1930. Most of the district's tanks are of welded steel construction. In the past 10 years, the Capital Program has aggressively replaced redwood tanks which were nearing the end of their useful life as described below. The FY 18 and 19 budgets for this category are described below.

FY 18 \$550,000
FY 19 \$1,600,000

Redwood tank replacement program. This program funds replacement of redwood storage tanks that often present water quality challenges, are seismically vulnerable², and leak. Since 2001, this program has replaced approximately 42 redwood storage tanks. There are eight (8) redwood tanks that remain. The tanks are prioritized from the combination of their field condition rating and their storage adequacy rating. The table below lists the remaining tanks to be replaced

² Redwood tanks are mounted on concrete piers which will not support the tanks in a seismic event. Replacement tanks are constructed of bolted steel or welded steel which meet modern seismic building standards and are properly anchored to resist earthquake forces.

**List of Remaining Redwood Tanks
Needing Replacement**

Tank Name	City/Location	Capacity (gal)	Year Installed
Madera Park	Corte Madera	100,000	1963
Hind #2	San Rafael	200,000	1958
Hind #1	San Rafael	100,000	1978
Bolsa	Mill Valley	200,000	1978
Courtwright	Greenbrae	50,000	1973
Winship Park	Ross	30,000	1980
Scenic Avenue	San Anselmo	20,000	1981
Hummingbird*	West Point Inn	20,000	

*Hummingbird Tank is for fire protection only, not potable

Funds originally scheduled for the Redwood Tank Replacement Program in FYs 18 and 19 have been reprogrammed for repair of slides caused by storm damage in 2017 and described in Section 3.2 below. Therefore no funds are budgeted in FYs 18 and 19 for the Redwood Tank Replacement Program. It is anticipated this program will be funded again beginning in FY 20.

Another significant storage tank project to be conducted in support of the tank replacement program includes:

Ross Valley Tank Replacement (D11056). This project includes the replacement of the 1MG Ross Reservoir, constructed in the 1920s, with up to 7 MG of storage at the current site. This project will replace an outmoded, inadequate and deteriorated facility that has reached the end of its useful life, and preserve water quality. This project will also greatly improve the district’s ability to meet the operational and emergency storage needs of the area. This project is budgeted in FY 18 at \$500,000 and FY 19 at \$1,400,000.

1.10 Control Valves (A1A10)

The district has 571 control valves in its transmission and distribution system. These valves have an expected useful life span of approximately 50 years. The valves receive yearly maintenance and are overhauled every 10 years. Each year, a few control valves are selected for replacement usually due to excessive corrosion and/or deterioration of the piping and vault.

FY 18 \$50,000

FY 19 \$50,000

1.11 Meters (A1A13)

The district has six potable water production flow meters. These measure production from the three potable treatment facilities. These meters are sent out for factory calibration bi-annually and are replaced as necessary. The district has flow transmitters at all of its 98 potable and reclaimed water pump stations. These meters are replaced at time of failure. This program also provides for annual replacement of district service meters.

FY 18 \$450,000

FY 19 \$450,000

1.12 Fire Chiefs Fund (A1A14)

This program annually funds replacements and improvements requested by the Marin County Fire Chiefs Association, and typically includes the installation or relocation of fire hydrants.

FY 18 \$150,000

FY 19 \$150,000

2 SYSTEM IMPROVEMENTS

2.1 Steel Tank Seismic Retrofit Program (A1B11)

The district has 14 steel water storage tanks that do not meet current seismic standards. This program includes retrofitting these tanks to improve their seismic reliability. Improvements typically include adding flexible connections to the inlet/outlet connections and upgrading the tank's anchorage. In FY 14 the district upgraded the Elda Drive Tank (150,000 gallon welded steel tank constructed in 1966 and located in San Rafael), and the Countyview Drive Tank (150,000 gallon welded steel tank constructed in 1971 and located in Tam Valley). The list of tanks remaining to receive a retrofit is described below.

Steel Tank Seismic Retrofit List

Tank Name	City/Location	Capacity (gal)	Year Installed
Indian Fire Trail	Kentfield	250,000	1970
Scott Highlands	Mill Valley	250,000	1968
Bret Harte	Greenbrae	500,000	1972
Chula Vista	San Rafael	250,000	1969
Paradise Drive	Tiburon	1,000,000	1976
Lattie Lane	Tam Valley	250,000	1966
Marin Professional Center	San Rafael	250,000	1964
Escalle	Larkspur	1,000,000	1971
Miller Creek	San Rafael	500,000	1963
Fairfax Grade	Fairfax	500,000	1957
Skyview Terrace	San Rafael	150,000	1968
Loch Lomond	San Rafael	1,000,000	1954
Strawberry	Tiburon	1,500,000	1966
Tennessee Valley	Tam Valley	1,000,000	1971

FY 18 \$300,000

FY 19 \$300,000

3 Watershed

3.1 Watershed – Ranger Residence Improvement (A1E02)

This program includes upgrading the ranger residences. In FY 18, repairs are scheduled to be conducted at the Porteous Residence and Phoenix Dam Residence. In FY 19, repairs are scheduled for the Lake Lagunitas Residence.

FY 18 \$350,000

FY 19 \$100,000

3.2 Watershed – Road Repair and Improvement (A1E05)

This program includes improvements to watershed roads, including culverts. Numerous landslides have developed on the watershed during an extremely wet winter in FY 17, impacting roads and trails that are critical to district operations. The FY 18 budget includes \$3.5M for the repair of those roads and trails. The FY 18 budget also includes the Sky Oaks Road & Filter Plant Road Widening Project as well as the Sky Oaks to Lagunitas Paving.

FY 18 \$3,900,000

FY 19 \$0

4 Reimbursable

Planned projects will address the Log Cabin, improvements to West Peak, Azalea Hill Restoration,

and Winter Habitat Implementation.

Phoenix Lake IRWM Retrofit Project. The County of Marin proposes to re-operate Phoenix Lake for water supply purposes and as a detention basin for flood protection by draining the lake to make storage capacity prior to a major storm event. In FY 14 the County began conducting the feasibility studies, including a geotechnical engineering study of the existing earthen dam, a hydrologic and hydraulic study to assess whether the proposed modifications will adequately pass the spillway design flood, preparation of a Coordinated Operation Plan to establish the rules and criteria for operating Phoenix Lake in a manner that achieves the Project’s multi-use benefits, in-stream flow studies for Ross Creek, and a water quality study to determine baseline water quality conditions. All district staff costs for the feasibility studies are funded by the County.

FY 18 \$2,061,000

FY19 \$6,354,000

5 Information Technology

The Information Technology Capital Improvement Projects are a blend of planned upgrades and new initiatives driven by the business. MMWD’s enterprise systems typically require an upgrade every four to seven years. Additionally, new features can be implemented which help us do a better job of meeting the mission of the district. The FY 18 and 19 budget includes upgrades to Enterprise System Software–SAP.

FY 18 \$500,000

FY 19 \$500,000

6 Capital Purchase Expenditures

The Capital Purchase Expenditures include purchase of capital equipment. The FY 18 and 19 budget includes lab equipment, survey equipment, office furniture and 15 vehicles.

FY 18 \$2,195,000

FY 19 \$1,665,000

Budget Category	Project/Program Name	Budget (\$1,000's)					5-Year Total
		FY 18	FY 19	FY 20	FY 21	FY 22	
A1A01	Replacements - Cathodic Protection						
	Tank Recoating Program	\$ 1,000	\$ 1,000	\$ -	\$ 1,200	\$ -	\$ 3,200
	Cathodic Protection System Corrections	\$ 160	\$ 160	\$ 160	\$ 160	\$ 160	\$ 800
	Corrosion Test Station Rehabilitation	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 450
	Rectifier Anode Replacement	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 250
	Lucas Valley Tank Recoating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	System Corrections - Fx, SA, Sausalito	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Miller Ave Rectifier Installation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Smith Saddle Tank Recoating 1	\$ -	\$ -	\$ 3,000	\$ -	\$ -	\$ 3,000
	Smith Saddle Tank Recoating 2	\$ -	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000
		\$ 1,300	\$ 1,300	\$ 3,300	\$ 1,500	\$ 3,300	\$ 10,700
A1A02A	A1A02A Replacements - Distribution Pipelines						
	Pipeline Replacement Program	\$ 3,000	\$ 3,000	\$ 1,500	\$ 3,300	\$ 5,000	\$ 15,800
	Sir Francis Drake Blvd (San Anselmo) PRP	\$ -	\$ -	\$ -	\$ 1,500	\$ -	\$ 1,500
	Bridgeway, Sausalito PRP	\$ -	\$ -	\$ -	\$ 1,200	\$ -	\$ 1,200
	2nd Street, Sausalito PRP	\$ -	\$ -	\$ -	\$ 600	\$ -	\$ 600
	Service Laterals Renewals	\$ 350	\$ 350	\$ 350	\$ 350	\$ 350	\$ 1,750
	Fireline Lateral Renewals	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 500
	2016 Terra Linda PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	2016-17 County PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Locust Ave PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	2016 Mill Valley PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Federal Works Line Booster Bypass PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Sir Francis Drake Blvd (Kentfield) PRP	\$ 1,000	\$ 1,000	\$ -	\$ -	\$ -	\$ 2,000
	Lagunitas Road PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Miller Ave PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	2016 Service Laterals Renewals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	2016 Service Improvement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Andersen Drive PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	San Anselmo PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Laverne Ave PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Eliseo Drive PRP	\$ -	\$ 500	\$ 1,000	\$ -	\$ -	\$ 1,500
	Dipsea Stairs Pipeline Improvement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Elm Ave PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	2015 Service Laterals Renewals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Madrone Ave PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Merrydale Road PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Sausalito PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Magnolia, Larkspur PRP	\$ 800	\$ -	\$ -	\$ -	\$ -	\$ 800
	East Blithedale PRP	\$ -	\$ 2,000	\$ -	\$ -	\$ -	\$ 2,000
	Almonte, Mill Valley PRP	\$ -	\$ -	\$ 1,000	\$ -	\$ -	\$ 1,000
	Highway 101 Undercrossing, Strawberry PRP	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ 500
	Highway 101 Undercrossing, Tiburon Blvd PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Red Hill Ave PRP	\$ -	\$ -	\$ 1,500	\$ -	\$ -	\$ 1,500
	San Quentin Pump Station to Sir Francis Drake, 18" PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	San Rafael, downtown PRP	\$ -	\$ -	\$ 1,500	\$ -	\$ -	\$ 1,500
	Sir Francis Drake, Fairfax PRP	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000
	Sugar Line (Sir Francis Drake) PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Alta Vista PRP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 5,250	\$ 6,950	\$ 6,950	\$ 7,050	\$ 6,950	\$ 33,150
A1A03	A1A03 Replacements - Transmission Pipelines						
	Valve Replacement Program	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 500
	Seismic Reliability Upgrades	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	BTTP Downline	\$ 150	\$ 700	\$ -	\$ -	\$ -	\$ 850
	Hawthorne Hills to Center Blvd	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Ross Commons to College Ave	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 100
		\$ 250	\$ 800	\$ 100	\$ 100	\$ 200	\$ 1,450

Budget Category	Project/Program Name	Budget (\$1,000's)					5-Year Total
		FY 18	FY 19	FY 20	FY 21	FY 22	
A1A04	A1A04 Replacements - Treatment Facilities						
	Treatment Plant Seismic and Reliability Upgrade	\$ 600	\$ 2,090	\$ 9,650	\$ 8,920	\$ 3,240	\$ 24,500
	Preventative Maintenance Projects	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 1,000
	Treatment Plants Filter Upgrade & Seismic Rehabilitation	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ 3,000
	Ignacio Ammonia Analyzer Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Ignacio Spare Chemical Room Improvement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	BTTP Ferric Chloride Chemical Metering Pump	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Recycled Water Truck Fill Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	San Geronimo Flash Mixer VFD Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SGTP Zinc Chemical Room Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Water Treatment Master Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Ignacio Tank Building Upgrade	\$ 130	\$ -	\$ -	\$ -	\$ -	\$ 130
	Bon Tempe Sludge Pond Fencing	\$ -	\$ 75	\$ -	\$ -	\$ -	\$ 75
	BTTP Clarifier Replacement & Solids Handling Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	BTTP Upgrades	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Chemical Tank Replacements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Ignacio Pump Station Paving	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Ignacio Treatment Plant Security Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	LGVSD Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SGTP Upgrades	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SGTP/BTTP General Seismic Upgrades - Phase 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SGTP/BTTP General Seismic Upgrades - Phase 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SGTP/BTTP Repair Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 3,930	\$ 2,365	\$ 9,850	\$ 9,120	\$ 3,440	\$ 28,705
A1A05	A1A05 Replacements - Reservoir/Dam Facilities						
	Miscellaneous Replacements - Dam/Reservoir Facilities	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 2,000
	Soulajule Environmental Enhancement	\$ 500	\$ 500	\$ 520	\$ -	\$ -	\$ 1,520
	Alpine Dam Intake Tower Valve Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Alpine Dam Miscellaneous Replacement	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 150
	Bon Tempe Lake Air Compressor Replacement 2016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Soulajule Grazing Waiver Compliance	\$ 760	\$ -	\$ -	\$ -	\$ -	\$ 760
		\$ 1,810	\$ 900	\$ 920	\$ 400	\$ 400	\$ 4,430
A1A06	A1A06 Replacements - Buildings and Grounds						
	Administration Building Upgrades	\$ 600	\$ -	\$ 1,000	\$ 1,000	\$ 600	\$ 3,200
	Office & Yard Buildings Capital Repairs	\$ 150	\$ 150	\$ 200	\$ 200	\$ 175	\$ 875
	Pavement Replacement at Various Facilities	\$ 70	\$ 70	\$ 70	\$ 70	\$ 70	\$ 350
	Fencing/Vandalism Deterrent at Facilities	\$ 60	\$ 60	\$ 60	\$ 60	\$ 60	\$ 300
	Retaining Wall Replacement	\$ 35	\$ 35	\$ 35	\$ 35	\$ 35	\$ 175
	Emergency Gen Shed Improvements	\$ -	\$ 50	\$ 150	\$ -	\$ -	\$ 200
	Warehouse Roof	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ 100
		\$ 915	\$ 465	\$ 1,515	\$ 1,365	\$ 940	\$ 5,200
A1A07	A1A07 Replacements - Transmission Pumps						
	Large Distribution/Transmission Pump/Motor Replacement	\$ 250	\$ 250	\$ 250	\$ 250	\$ 250	\$ 1,250
	Kent Lake Pump Replacement	\$ -	\$ -	\$ -	\$ 100	\$ 500	\$ 600
	Smith Saddle Pump Station Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Soulajule Pump Station Electrification Project	\$ 200	\$ -	\$ 500	\$ -	\$ -	\$ 700
	Kastania Pump Station Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 450	\$ 250	\$ 750	\$ 350	\$ 750	\$ 2,550
A1A08	A1A08 Replacements - Distribution Pumps						
	Distribution Pump Station Replacement Program	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 2,500
	Sausalito Pump Station Replacement	\$ -	\$ -	\$ -	\$ 250	\$ 1,000	\$ 1,250
	Distribution Pump/Motor/Valve Replacement	\$ 35	\$ 35	\$ 35	\$ 35	\$ 35	\$ 175
	Remove Existing Old Pump Stations Program	\$ 200	\$ 200	\$ 200	\$ -	\$ -	\$ 600
	Fairfax Manor 1st Lift	\$ 100	\$ 900	\$ -	\$ -	\$ -	\$ 1,000
	Hind Tank Pump Station Replacement	\$ 100	\$ 900	\$ 200	\$ -	\$ -	\$ 1,200
	Bret Harte Pump Station Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Mesa Vista Pump Station Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Montecito Drive Booster PS Replacement (Federal Works)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 935	\$ 2,535	\$ 935	\$ 785	\$ 1,535	\$ 6,725
A1A09	A1A09 Replacements - Control Systems						
	Replacement of Failed Control Equipment	\$ 35	\$ 35	\$ 35	\$ 35	\$ 35	\$ 175
	SCADA System - Complete RTU Replacement	\$ 300	\$ 500	\$ -	\$ -	\$ -	\$ 800
	SCADA System - Replace Hardware/Software	\$ 1,000	\$ 1,000	\$ -	\$ -	\$ -	\$ 2,000
	2016 Failed Control Equipment Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 1,335	\$ 1,535	\$ 35	\$ 35	\$ 35	\$ 2,975

Budget Category	Project/Program Name	Budget (\$1,000's)					5-Year Total
		FY 18	FY 19	FY 20	FY 21	FY 22	
A1A10	A1A10 Replacements - Control Valves						
	Control Valve Replacement Program	\$ 35	\$ 35	\$ 35	\$ 35	\$ 35	175
	Control Valve Enclosure Replacement Program	\$ 15	\$ 15	\$ 15	\$ 15	\$ 15	75
	Terra Linda Center Pressure Regulator Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Santa Margarita 12" Bypass Regulator 2016	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	250
A1A11	A1A11 Replacements - Storage Tanks						
	Hind Tank	\$ 50	\$ 200	\$ 1,500	\$ 1,354	\$ -	3,104
	Ross Valley Tank Replacement	\$ 500	\$ 1,400	\$ 2,327	\$ 2,710	\$ 3,580	10,517
	Bolted Steel Tank Replacement Program	\$ -	\$ -	\$ 600	\$ 600	\$ 600	1,800
	Pine Mountain Tunnel Replacement	\$ -	\$ -	\$ -	\$ 250	\$ 750	1,000
	Summit Upper Avenue Tank & Slide Gulch PS	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Upper Road Tank Replacement Project	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Mariner Highlands Tank Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Forbes Reservoir Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Bolsa Tank Replacement Project	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Elinor Ave Tank Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Madera Park Tank Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Oak Avenue Tank Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Redwood Tank Replacement Program	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	3,000
	Remove Existing Old Tanks Program	\$ -	\$ -	\$ 200	\$ 200	\$ 200	600
	Hummingbird Tank Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Mill Valley Tank Replacement	\$ -	\$ -	\$ -	\$ -	\$ 250	250
	Sausalito Tanks Staircase Project	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 550	\$ 1,600	\$ 5,627	\$ 6,114	\$ 6,380	20,271
A1A13	A1A13 Replacements - Meters						
	Service Meters	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	1,000
	Production, Transmission Meter Replacement	\$ 250	\$ 250	\$ 250	\$ 50	\$ 50	850
	2016 Large Production Meter Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	2017 Large Production Meter Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	-
	AMR/AMI Proposition 84 IRWM Grant - Irrigation	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Automatic Meter Replacement Program	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 450	\$ 450	\$ 450	\$ 250	\$ 250	1,850
A1A14	A1A14 Replacements - Fire Chief's Fund						
	Fire Chiefs Fund - Replacements	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	750
		\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	750
A1B01	A1B01 System Improvements - Cathodic Protection						
	Cathodic Protection of Existing Pipelines	\$ 40	\$ 45	\$ 45	\$ 45	\$ 45	220
	Cathodic Protection Remote Monitoring	\$ 25	\$ 30	\$ 30	\$ 30	\$ 30	145
		\$ 65	\$ 75	\$ 75	\$ 75	\$ 75	365
A1B03	A1B03 System Improvements -Transmission Pipelines						
	580 Undercrossing + 12" lines on east side where needed	\$ 100	\$ 250	\$ 1,000	\$ 1,000	\$ -	2,350
	Sir Francis Drake to Wornum Drive	\$ -	\$ -	\$ -	\$ 250	\$ 1,250	1,500
	Redwood Dump to San Marin Drive, 42"	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 100	\$ 250	\$ 1,000	\$ 1,250	\$ 1,250	3,850
A1B04	A1B04 System Improvements - Treatment Facilities						
	SGTP Sludge Bed Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	-
A1B06	A1B06 System Improvements - Miscellaneous Facilities						
	Energy Recovery & Enhancements Initiatives	\$ 500	\$ -	\$ 500	\$ 500	\$ 500	2,000
	Water Quality Improvement Program	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	1,000
	Lucas Valley Tank Solar Panels	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 700	\$ 200	\$ 700	\$ 700	\$ 700	3,000
A1B07	A1B07 System Improvements - Transmission Pumps						
	Tocaloma Pump Station Upgrade (Pump #1,4)	\$ 100	\$ 250	\$ 1,500	\$ 500	\$ -	2,350
	North Marin Line Booster Pump Replacement	\$ 250	\$ 250	\$ 250	\$ 250	\$ 250	1,250
	Two Transformer Substation for SGTP Pumps	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 350	\$ 500	\$ 1,750	\$ 750	\$ 250	3,600

Budget Category	Project/Program Name	Budget (\$1,000's)					5-Year Total
		FY 18	FY 19	FY 20	FY 21	FY 22	
A1B11	A1B11 System Improvements - Storage Tanks						
	Steel Tank Seismic Retrofit Program	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	1,500
	Indian Road Trail Tank Seismic Retrofit	\$ -	\$ -	\$ -	\$ -	\$ -	-
	San Quentin Ridge Tanks	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Chula Vista Tank Seismic Retrofit	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Marinwood Tank	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Scott Highlands Tank Seismic Retrofit	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Tank Hatch Alarm Project	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	1,500
A1B14	A1B14 System Improvements - Water Supply						
	Water Supply Resiliency	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Pine Mountain Tunnel Flushing	\$ 30	\$ -	\$ -	\$ -	\$ -	30
		\$ 30	\$ -	\$ -	\$ -	\$ -	30
A1E01	A1E01 Watershed - Minor Structures I/R/R						
	Lake Lagunitas Picnic	\$ -	\$ 25	\$ 200	\$ 150	\$ -	375
	Phoenix Gateway	\$ -	\$ -	\$ -	\$ 50	\$ 100	150
	Dipsea Trail Water Fountain	\$ -	\$ -	\$ 20	\$ -	\$ -	20
	Kent Pump Road Gate Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Information Kiosks	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Sanitation Stations	\$ 35	\$ -	\$ -	\$ -	\$ -	35
	Fish Grade Materials Storage Building	\$ 25	\$ 100	\$ -	\$ -	\$ -	125
	Boat Ramps	\$ -	\$ -	\$ 50	\$ -	\$ -	50
	Bon Tempe Accessible Fishing Pier and Boat Dock (ADA)	\$ -	\$ -	\$ -	\$ -	\$ 200	200
	Gravity Car Gateway	\$ -	\$ 25	\$ 150	\$ -	\$ -	175
	Rock Spring Gateway	\$ -	\$ 25	\$ 150	\$ -	\$ -	175
	Deer Park Picnic Rehabilitation	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Lake Lagunitas Flush Toilets	\$ -	\$ -	\$ -	\$ 200	\$ -	200
	Miscellaneous Structures	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Natalie Coffin Green Gates	\$ -	\$ -	\$ 150	\$ -	\$ -	150
	Remote Picnic Areas	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Sky Oaks Automatic Gate	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Spring Fed Tanks	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 60	\$ 175	\$ 720	\$ 400	\$ 300	1,655
A1E02	A1E02 Watershed - Ranger Residence Improvements						
	Miscellaneous Septic/Roof Repairs	\$ -	\$ -	\$ -	\$ 100	\$ 100	200
	Phoenix Dam Residence	\$ 175	\$ -	\$ -	\$ -	\$ -	175
	Porteous Ranch Residence	\$ 175	\$ -	\$ -	\$ -	\$ -	175
	Soulajule Residence Waterline Repair and Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Lake Lagunitas Residence	\$ -	\$ 100	\$ 400	\$ -	\$ -	500
	Soulajule Residence Repairs	\$ -	\$ -	\$ 100	\$ -	\$ -	100
		\$ 350	\$ 100	\$ 500	\$ 100	\$ 100	1,150
A1E04	A1E04 - Trail Repair and Improvement						
	Concrete Pipe Road to Trail	\$ -	\$ -	\$ 50	\$ 250	\$ -	300
	Trail Rehabilitation	\$ -	\$ -	\$ -	\$ 200	\$ 200	400
	Cataract Trail Rehabilitation	\$ -	\$ -	\$ -	\$ -	\$ 150	150
	Grassy Slope/Continental Cove Road to Trail	\$ -	\$ -	\$ -	\$ 200	\$ -	200
		\$ -	\$ -	\$ 50	\$ 650	\$ 350	1,050
A1E05	A1E05 Watershed - Road Repair and Improvements						
	Kent Pump road culverts	\$ -	\$ -	\$ 50	\$ 200	\$ -	250
	Jewell Creek Fish Passage	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Sky Oaks to Lagunitas Paving	\$ 250	\$ -	\$ -	\$ -	\$ -	250
	Sky Oaks Road & Filter Plant Rd Widening Project	\$ 150	\$ -	\$ -	\$ -	\$ -	150
	Kent Pump Road	\$ 450	\$ -	\$ -	\$ -	\$ -	450
	East Portal Road	\$ 300	\$ -	\$ -	\$ -	\$ -	300
	Southern Marin Line at SM-13	\$ 450	\$ -	\$ -	\$ -	\$ -	450
	Southern Marin Line at SM-3	\$ 300	\$ -	\$ -	\$ -	\$ -	300
	Phoenix Dam Road at Spillway	\$ 250	\$ -	\$ -	\$ -	\$ -	250
	Eldridge Grade at EG-24	\$ 450	\$ -	\$ -	\$ -	\$ -	450
	Concrete Pipe Road at CP-9	\$ 300	\$ -	\$ -	\$ -	\$ -	300
	Concrete Pipe Road at CP-26	\$ 750	\$ -	\$ -	\$ -	\$ -	750
	Laurel Ave, Woodacre	\$ 250	\$ -	\$ -	\$ -	\$ -	250
	Bon Tempe Road Paving	\$ -	\$ -	\$ -	\$ -	\$ -	-
	East Portal Pine Mountain Tunnel Rd to Trail Conversion	\$ -	\$ -	\$ -	\$ -	\$ -	-
		\$ 3,900	\$ -	\$ 50	\$ 200	\$ -	4,150

Budget Category	Project/Program Name	Budget (\$1,000's)					5-Year Total
		FY 18	FY 19	FY 20	FY 21	FY 22	
A1E06	A1E06 Watershed - Structures						
	Marin Stable Restoration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Sky Oaks Security/Energy Efficiency Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	West Point Inn Restoration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A1E07	A1E07 Watershed - Natural Capital and Green Infrastructure						
	Lagunitas Booster Bank Stabilization & Habitat	\$ -	\$ -	\$ 200	\$ -	\$ -	\$ 200
	Lagoon Fire Road Decommission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Lagunitas Creek Habitat Projects	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 300
		\$ -	\$ -	\$ 200	\$ -	\$ 300	\$ 500
SUBTOTAL BASELINE CAPITAL PROGRAM		\$ 23,230	\$ 20,950	\$ 35,977	\$ 31,694	\$ 28,005	\$ 139,856
A1F05	A1F05 Reimbursable - Grant (100%)						
	Phoenix Lake Retrofit Project - 100% Reimbursable	\$ 750	\$ 2,250	\$ -	\$ -	\$ -	\$ 3,000
	Bill Williams Fish Passage - Flood control funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Phoenix Basin Culverts - Flood Control Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Phoenix Visitor Improvements - Flood Control	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 750	\$ 2,250	\$ -	\$ -	\$ -	\$ 3,000
A1F06	A1F06 Reimbursable - Split Funding Grant						
	Alpine Dam Residence Water System upgrade	\$ -	\$ 50	\$ -	\$ -	\$ -	\$ 50
	Log Cabin Project	\$ 75	\$ 1,200	\$ -	\$ -	\$ -	\$ 1,275
	Cross Marin Trail Culverts Planning/Compliance	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ 200
	Cross Marin Trail Culverts Implementation	\$ -	\$ -	\$ 400	\$ 400	\$ 400	\$ 1,200
	Alpine Historic Preservation (Block Houses)	\$ 100	\$ 500	\$ 500	\$ -	\$ -	\$ 1,100
	West Peak Restoration Project	\$ -	\$ 250	\$ 3,000	\$ 3,000	\$ -	\$ 6,250
	FRGP Winter Habitat Implementation Phase 1	\$ 579	\$ -	\$ -	\$ -	\$ -	\$ 579
	FRGP Winter Habitat Implementation Phase 2	\$ 13	\$ 860	\$ -	\$ -	\$ -	\$ 873
	Prop-84 Lagunitas Creek Watershed Sediment Reduction and P	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SWRCB Winter Habitat 319h	\$ 342	\$ 344	\$ -	\$ -	\$ -	\$ 686
	USFWS Lag Creek Tocaloma Floodplain Study Phase 1	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ 17
	Potrero Meadow Roads, Trails and Wetland	\$ 35	\$ 100	\$ -	\$ -	\$ -	\$ 135
	Azalea Hill Restoration, Trails and Trailhead	\$ 150	\$ 600	\$ 400	\$ -	\$ -	\$ 1,150
		\$ 1,311	\$ 4,104	\$ 4,300	\$ 3,400	\$ 400	\$ 13,515
	Reimbursable Projects	\$ 1,880	\$ 1,880	\$ 1,880	\$ 1,880	\$ 1,880	\$ 9,400
FFIP	Fire Flow Improvement Program	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 22,500
SUBTOTAL CAPITAL PROGRAM		\$ 31,671	\$ 33,684	\$ 46,657	\$ 41,474	\$ 34,785	\$ 188,271
A4A	A4A Information Technology - Engineering						
	Laboratory Information System (LIMS) Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A4B	A4B Information Technology - IT						
	SAP Project Activity	\$ 240	\$ 335	\$ 335	\$ 235	\$ 500	\$ 1,645
	Enterprise Document Management System (OpenText)	\$ 25	\$ 50	\$ 50	\$ 150	\$ 50	\$ 325
	ITSC Projects	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 250
	Geographic Information System (GIS) - ESRI	\$ 125	\$ 25	\$ 25	\$ 25	\$ 25	\$ 225
	Mobile - Smart Phones/Tablets	\$ 25	\$ 25	\$ 25	\$ 25	\$ 25	\$ 125
	Website Upgrade and Enhancements	\$ 15	\$ 15	\$ 15	\$ 15	\$ 15	\$ 75
	Remote Access - Citrix	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ 20
	Replacement of District Telephone System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUBTOTAL IT CAPITAL PROJECTS	\$ 500	\$ 500	\$ 500	\$ 500	\$ 665	\$ 2,665
CAPITAL PURCHASE EXPENDITURES		\$ 2,195	\$ 1,665	\$ 1,500	\$ 1,500	\$ 1,500	\$ 8,360
GRAND TOTAL CAPITAL PROGRAM		\$ 34,366	\$ 35,849	\$ 48,657	\$ 43,474	\$ 36,950	\$ 199,296