



Alameda County Water District
Fremont, California

ADOPTED BUDGET

Fiscal Years 2017/18 & 2018/19

ALAMEDA COUNTY WATER DISTRICT

ADOPTED

BUDGET

Fiscal Years 2017/18 & 2018/19

June 8, 2017



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June 30, 2017

Board of Directors
Alameda County Water District
43885 South Grimmer Boulevard
Fremont, CA 94538

Dear Board of Directors:

Subject: Two Year Budget for Fiscal Years 2017/18 and 2018/19

I am pleased to present the Alameda County Water District's (District) biennial budget for fiscal years (FY) 2017/18 and 2018/19, as adopted by the Board of Directors (Board) on June 8, 2017. This budget has been developed to support the District's core mission to provide a reliable supply of high quality water at a reasonable price to our customers and reflects the Board's commitment to prudent and responsible financial practices in managing operating and capital costs, maintaining employee staffing levels, and addressing post-employment liabilities. In addition, the budget maintains compliance with all debt covenants and policy reserve targets.

Economic Outlook

The District's service area covers approximately 105 square miles of the southern portion of Alameda County in the San Francisco Bay Area. Since its founding, the District has been a water conservation agency and is responsible for maintaining the groundwater supply in the Niles Cone Groundwater Basin. Since 1930, the District has also been a water distribution agency and produces, stores, treats and distributes water to a population of 350,358, as well as a diverse commercial, institutional, and industrial customer base, in the cities of Fremont, Newark, and Union City.

The Tri-City's diverse base supports a healthy mix of large and small businesses and produces greater economic stability and less volatility than more specialized economies. For the last calendar year, unemployment rates for the cities of Fremont, Newark, and Union City were 3.3%, 3.6%, and 3.8% respectively, which are lower than both the State (5.4%) and Alameda County (4.2%). Regionally, the Tri-City's unemployment rates are comparable to the City and County of San Francisco (3.3%) and the County of Santa Clara (3.8%). The District's customer base is anticipated to grow both in size and income. Last calendar year, population grew 0.9% to

231,664 for the City of Fremont, 1.5% to 45,422 for the City of Newark, and 0.6% to 73,452 for the City of Union City. 2015 Census data estimated median household income of \$112,263 for the City of Fremont, \$86,410 for the City of Newark, and \$96,376 for the City of Union City.

Revenue

Total revenues are budgeted at \$119.6 million in FY 2017/18 and \$132.4 million in FY 2018/19. The District's largest revenue source is water revenue, which is budgeted at \$98.4 million in FY 2017/18 and \$106.5 million in FY 2018/19. Although the Governor recently issued an executive order to lift the drought emergency for most of California, the District anticipates a slow recovery of water demand over the next few years due to many customers adopting conservation efforts as a way of life. On May 18, 2016, the State Water Resources Control Board adopted self-certification for conservation. Due to sufficient water supply, the Board rescinded the District's water shortage emergency ordinance and ended the drought surcharges effective July 1, 2016. However, a slower five year demand recovery is anticipated due to prior efforts to promote conservation and outreach during the drought. Projected billed water demand for FY 2017/18 is expected to be 31.53 million gallons per day (MGD), the same as FY 2016/17. As customers largely maintain behaviors adopted during the drought, only modest increases in water demand are anticipated for FY 2018/19 through FY 2021/22. The demand projected in FY 2021/22 is 37.51 MGD, a 10% permanent reduction compared to pre-drought FY 2012/13 demands. The slower demand recovery does not only impact the District, but many other California water agencies as well. On February 9, 2017, the Board adopted a rate increase of 20% effective March 1, 2017 and 5% effective March 1, 2018 to both the bimonthly service charge and the water consumption charge. The increase was necessary to sufficiently fund the District's operating and capital improvement programs, prudently pay down unfunded liabilities, and maintain appropriate reserves and debt service coverage.

The District's second largest revenue source is property tax proceeds, which is budgeted at \$10.9 million in FY 2017/18 and \$11.2 million in FY 2018/19. The District receives two types of property tax revenue: 1) A portion of the 1% ad valorem tax based on the assessed valuation of parcels within the District's service area and 2) State Water Contract override tax that is collected to recover the cost of State Water Project deliveries that are used to replenish the Niles Cone Groundwater Basin. The budget reflects an increase to both property tax revenue types. Based on historical trends and the economic environment, property valuations are expected to continue to increase. In addition, the decommission of the Mission San Jose Water Treatment Plant in 2015 prompted staff to update the design capacity calculation between groundwater and surface water production facilities. The updated calculation shows that a higher percentage of State Water Project deliveries are now utilized to replenish groundwater, resulting in State Water Project cost recovery from the override tax to increase from 60.0% to 67.7%.

The District budgeted Facilities Connection Charges (FCC) at \$2.5 million for FY 2017/18 and \$4.2 million for FY 2018/19. This revenue represents the projected level of completed residential and non-residential development during the next two fiscal years. Other Revenues for the District are budgeted at \$1.3 million for FY 2017/18 and \$4.0 million for FY 2018/19. The property land sale at Deer Road accounts for \$3.0 million in Other Revenue for FY 2018/19. This sale was

originally included in the FY 2016/17 budget at \$4.0 million, but was revised and delayed in order to adjust for current real estate market conditions.

Operating Expenses

Operating expenses are budgeted at \$92.0 million in FY 2017/18 and \$95.0 million in FY 2018/19. A significant operating expense addition for the next two fiscal years is the Board's prudent decision to mitigate increasing labor costs by prefunding the District's pension and Other Post-Employment Benefits (OPEB) liabilities. As of the June 30, 2015 valuation date, the District's funded ratio for pension was 68.5% and OPEB was 29.4%. To fulfill the District's obligations of the promised benefits, the Board is accelerating funding to meet a 20 year payoff schedule at a 6.5% discount rate, resulting in an investment of \$5.2 million for FY 2017/18 and \$4.9 million for FY 2018/19. These investments are in addition to the District's normal annual contributions.

Purchased water expenses are budgeted at \$28.1 million for FY 2017/18 and \$28.3 million for FY 2018/19. The District was able to obtain a waiver from the San Francisco Public Utilities Commission (SFPUC) for FY 2016/17, which allowed for approximately 80% of the minimum purchase requirement. With the end of the drought, the District does not expect to be granted additional waivers. However, the higher minimum purchase requirement is offset by a delay in SFPUC wholesale water rate adjustments, resulting in a flat \$17.7 million expense for each of the next two fiscal years. State Water Project purchases will have a modest increase and is budgeted at \$9.4 million for FY 2017/18 and \$9.5 million in FY 2018/19 while Semitropic water is budgeted at \$1.0 million for each of the next two years, reflecting less utilization due to sufficient water supply.

Operations & Maintenance (O&M) expenses are budgeted at \$73.1 million for FY 2017/18 and \$73.9 million for FY 2018/19 and Administrative & General (A&G) expenses are budgeted at \$17.2 million for FY 2017/18 and \$19.4 million for FY 2018/19. The budget for both O&M and A&G expenses stay within the District's Financial Planning Model (FPM) projections used for rate development.

Expense Projects

Expense Projects are budgeted for \$1.6 million in FY 2017/18 and \$3.5 million in FY 2018/19. These expenses reflect Board guidance regarding advanced metering, Oroville dam repair cost contingencies, and water supply initiative studies. The primary expense in FY 2018/19 is the Advanced Metering Infrastructure project, which is projected to reach proof of concept stage in year two. Total expense budget for this major project is \$2.6 million for the upcoming two fiscal years.

In February 2017, higher than expected levels at Lake Oroville caused major damage to the dam's main and emergency spillways. As a State Water Contractor, the District is responsible for a portion of the dam's repair cost. As the full financial impact is currently unknown, the budget has assumed an estimated \$500,000 in each of the next two fiscal years for this obligation.

As the District looks ahead, we continue to prioritize investment in our future by ensuring water supply reliability. This budget includes the evaluation of initiatives such as the California WaterFix (\$200,000 for FY 2017/18, \$200,000 for FY 2018/19), Lake Del Valle Reservoir Reoperation (\$120,000 in FY 2017/18), Los Vaqueros Reservoir Expansion (\$100,000 in FY 2018/19), and Recycled Water (\$87,000 in FY 2017/18).

Capital Expenditures

The budget includes capital expenditures of \$28.1 million in FY 2017/18 and \$35.2 million in FY 2018/19. The District's 25 Year Capital Improvement Program (CIP) has prioritized capital projects necessary to address aging infrastructure, increasing regulations, and seismic reliability issues. During the drought, many capital projects were deferred in response to changing priorities to address the drought emergency and financial constraints. Over half of the capital expenditures in the budget for the next two years reflect investments to improve the District's distribution system, water production facilities, and seismic reliability.

Key projects for FY 2017/18 include the Alvarado Niles Pipeline Seismic Improvement Project (\$5.7 million), the Service Line Emergency Replacement Program (\$1.6 million), the Main Relocations for SFPUC Bay Division Pipeline Nos. 3 & 4 Seismic Project (\$1.5 million), the Desalination Facility Membrane Replacement (\$1.2 million), and the Water Treatment Plant No. 2 Programmable Logic Controller Replacement (\$1.1 million).

Key projects for FY 2018/19 include the Rubber Dam No. 3 Fish Ladder (\$7.0 million), the Alvarado Niles Pipeline Seismic Improvement Project (\$6.5 million), the Main Renewal within Cherry St. in Newark (\$2.7 million), the Rubber Dam No. 1 Fish Ladder (\$1.9 million), and the Service Line Emergency Replacement Program (\$1.5 million). A potential delay in the permitting for the Alameda Creek Fish Passage projects will be assessed and reflected in the upcoming mid-cycle budget if necessary.

Customer Jobs are budgeted at \$4.8 million for FY 2017/18 and \$4.9 million for FY 2018/19 to accommodate new developments and requested service-related improvements. The District's expenditures for Customer Jobs are reimbursed by the parties that receive benefits from those projects.

Debt Service

The District has three Water System Revenue Bonds outstanding: 2009 Refunding, Series 2012, and Series 2015. Annual debt service is \$6.4 million per year for FY 2017/18 and FY 2018/19. Debt service coverage is projected to be 3.33 for FY 2017/18 and 4.55 for FY 2018/19, above the District's bond covenant requirement of 1.25 and debt service policy coverage target of 2.00. Higher debt service coverage helps maintain the District's AAA credit rating.

The 2009 Water System Refunding Revenue Bonds will mature in FY 2019/20. A current planning assumption in FPM includes a \$23.0 million debt issuance in FY 2019/20 to fund the Advanced Metering Infrastructure capital project. This debt assumption has not been adopted by

the Board and various financing options will be presented to the Board for consideration at a future date.

Staffing

The District will maintain the current staffing level of 230 authorized full-time equivalents for both FY 2017/18 and FY 2018/19. Succession planning will continue to be a challenge as approximately half of the District's employees are eligible to retire within the next five years.

Although staffing levels are maintained, there are a few reclassifications to better align District personnel resources. The Water Resources Department consolidated two divisions, Water Supply and Water Resources Planning & Conservation, into a new Water Supply & Planning division. As part of the consolidation, the Water Supply Division Manager position has been reclassified to an Engineer I/II position. The Community Affairs Supervisor I/II position in the Office of the General Manager has been reclassified to an Engineer I/II in the Engineering and Technology Services Department to support the Advanced Metering Infrastructure project.

Respectfully Submitted,



Robert Shaver
General Manager

**ALAMEDA COUNTY WATER DISTRICT
ADOPTED BUDGET
FISCAL YEARS 2017/18 & 2018/19
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**ALAMEDA COUNTY WATER DISTRICT
TOTAL BUDGET
REVENUES & EXPENSES**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
	<u> </u>	<u> </u>
Beginning Balance		
General Fund	\$ 86,321,300	\$ 78,700,000
Facilities Improvement Fund	42,286,700	41,461,600
Total Beginning Balance	128,608,000	120,161,600
Revenues		
Water Revenue	98,392,600	106,457,300
Ground Water Revenue	484,100	520,900
Proceeds From Taxation	10,874,100	11,176,300
Interest Revenue	1,243,800	1,163,600
Facilities Connection Charges	2,453,000	4,180,000
Customer Jobs Revenue	4,810,500	4,945,800
Other Revenue	1,305,600	3,984,700
Total Revenues (Page 6)	119,563,700	132,428,600
Expenses		
Source of Supply	38,120,600	38,712,800
Pumping	1,724,000	1,839,100
Water Treatment	16,094,600	16,032,700
Transmission & Distribution	17,186,800	17,268,200
Customer Accounts	1,649,200	1,802,800
Administrative & General	42,020,700	44,000,400
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100
Expense Transfer - Equipment & Overhead	(30,025,000)	(29,577,200)
Expense Projects	1,603,600	3,451,000
Total Operating Expenses (Page 7-11)	93,557,000	98,465,600
Capital Projects (Pages 12 - 18)	23,269,500	30,241,200
Customer Jobs (Page 19)	4,810,500	4,945,800
Debt Service (Page 20)	6,373,300	6,371,000
Total Non-Operating Expenses	34,453,300	41,558,000
Total Expenses	128,010,300	140,023,600
Net of Revenues & Expenses	(8,446,600)	(7,595,000)
Ending Cash Balance		
General Fund	78,699,900	71,958,700
FIF Fund	41,461,500	40,607,900
Total Ending Cash Balance	\$ 120,161,400	\$ 112,566,600

**ALAMEDA COUNTY WATER DISTRICT
GENERAL FUND
REVENUES & EXPENSES**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Beginning Balance	\$ 86,321,300	\$ 78,700,000
Revenues		
Water Revenue	98,392,600	106,457,300
Ground Water Revenue	484,100	520,900
1% Tax Allocation	5,321,500	5,374,800
State Water Contract Tax	5,552,600	5,801,500
Interest Revenue	825,100	753,300
Customer Jobs Revenue	4,810,500	4,945,800
Other Revenue	1,305,600	3,984,700
Total GF Revenues (Page 6)	116,692,000	127,838,300
Expenses		
Source of Supply	38,120,600	38,712,800
Pumping	1,724,000	1,839,100
Water Treatment	16,094,600	16,032,700
Transmission & Distribution	17,186,800	17,268,200
Customer Accounts	1,649,200	1,802,800
Administrative & General	42,020,700	44,000,400
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100
Expense Transfer - Equipment & Overhead	(30,025,000)	(29,577,200)
Expense Projects	1,603,600	3,451,000
Total Operating Expenses (Page 7-11)	93,557,000	98,465,600
Capital Projects (Pages 12 - 18)	19,572,600	24,797,200
Customer Jobs (Page 19)	4,810,500	4,945,800
Debt Service (Page 20)	6,373,300	6,371,000
Total Non-Operating Expenses	30,756,400	36,114,000
Total GF Expenses	124,313,400	134,579,600
Net of Revenues & Expenses	(7,621,400)	(6,741,300)
Ending Balance	\$ 78,699,900	\$ 71,958,700

**ALAMEDA COUNTY WATER DISTRICT
FACILITIES IMPROVEMENT FUND
REVENUES & EXPENSES**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Beginning Balance	\$ 42,286,700	\$ 41,461,600
Revenues		
Facilities Connection Charges	2,453,000	4,180,000
Interest Revenue	418,700	410,300
Total FIF Revenues	2,871,700	4,590,300
Expenses		
Capital Projects (Pages 12 - 18)	3,696,900	5,444,000
Total FIF Expenses	3,696,900	5,444,000
Net of Revenues & Expenses	(825,200)	(853,700)
Ending Balance	\$ 41,461,500	\$ 40,607,900

**ALAMEDA COUNTY WATER DISTRICT
EXPENSE SUMMARY
COST CENTER**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Expenses	<hr/>	<hr/>
Source of Supply	\$ 38,120,600	\$ 38,712,800
Pumping	1,724,000	1,839,100
Water Treatment	16,094,600	16,032,700
Transmission & Distribution	17,186,800	17,268,200
Total O&M Expenses	<hr/> 73,126,000	<hr/> 73,852,800
Customer Accounts	1,649,200	1,802,800
Administrative & General	42,020,700	44,000,400
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100
Expense Transfer - Equipment & Overhead	(30,025,000)	(29,577,200)
Expense Projects	1,603,600	3,451,000
Total A&G/Exp Proj Expenses	<hr/> 20,431,000	<hr/> 24,612,800
Capital Projects - GF	19,572,600	24,797,200
Capital Projects - FIF	3,696,900	5,444,000
Customer Jobs	4,810,500	4,945,800
Debt Service	6,373,300	6,371,000
Total Non-Operating Expenses	<hr/> 34,453,300	<hr/> 41,558,000
Total Expenses	<hr/> \$ 128,010,300	<hr/> \$ 140,023,600

**ALAMEDA COUNTY WATER DISTRICT
EXPENSE SUMMARY
COST ELEMENT**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Labor		
Operating	\$ 26,012,900	\$ 26,336,100
Capital	2,356,900	2,157,000
Customer Jobs	1,164,500	1,212,800
Total Labor	29,534,300	29,705,900
Purchased Water	28,078,600	28,257,200
Employee Benefits	16,007,200	17,299,300
OPEB	4,401,100	4,449,500
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100
Other Expenses		
Operating	13,874,700	17,187,700
Capital	20,912,600	28,084,200
Customer Jobs	3,646,000	3,733,000
Total Other Expense	38,433,300	49,004,900
Debt Service	6,373,300	6,371,000
Total Expenses	\$ 128,010,300	\$ 140,023,600

**ALAMEDA COUNTY WATER DISTRICT
REVENUES
DETAIL**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
	<u> </u>	<u> </u>
Water Revenue	\$ 98,392,600	\$ 106,457,300
Ground Water Revenue	484,100	520,900
1% Tax Allocation	5,321,500	5,374,800
State Water Contract Tax	5,552,600	5,801,500
Interest Revenue	1,243,800	1,163,600
Facilities Connection Charges	2,453,000	4,180,000
Customer Jobs Revenue	4,810,500	4,945,800
Other Revenue		
Fire Flow Testing	17,900	17,900
Lease of Property	294,600	302,200
Scrap Sales	27,400	27,400
Sales of Fixed Assets	74,700	3,074,700
Misc. (Grants, Reimbursements, Specs. Etc)	240,500	-
Licenses and Permits	130,000	130,000
Late Bill Payment Fees	214,000	126,000
Misc Revenues	225,700	225,700
Residential Service Line Insurance	80,800	80,800
Total Other Revenue	<u>1,305,600</u>	<u>3,984,700</u>
 Total Revenues	 <u><u>\$ 119,563,700</u></u>	 <u><u>\$ 132,428,600</u></u>

**ALAMEDA COUNTY WATER DISTRICT
OPERATING EXPENSES
SUMMARY**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Operating Expenses		
Source of Supply	\$ 38,120,600	\$ 38,712,800
Pumping	1,724,000	1,839,100
Water Treatment	16,094,600	16,032,700
Transmission & Distribution	17,186,800	17,268,200
Total Operations and Maintenance	73,126,000	73,852,800
Customer Accounts	1,649,200	1,802,800
Administrative and General	42,020,700	44,000,400
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100
Expense Transfer - Equipment & Overheads	(30,025,000)	(29,577,200)
Expense Project Subtotal	1,603,600	3,451,000
Total A&G/Exp Proj Expenses	20,431,000	24,612,800
Total Operating Expenses	\$ 93,557,000	\$ 98,465,600

**ALAMEDA COUNTY WATER DISTRICT
OPERATING EXPENSES
OPERATIONS & MAINTENANCE (O&M) DETAIL**

Reporting Group	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Source of Supply			
8111	Oper & Planning of Supply System	\$ 3,406,100	\$ 3,484,800
8113	Operations of Takeoffs	10,700	10,400
8114	Ground Water Resources	4,067,800	4,197,500
8121	Maint of Recharge Facilities	755,000	761,600
8122	Maintenance of Wells	1,689,200	1,881,500
8123	Maint of Take Offs	108,300	114,900
8124	Maint of Replenishment Meters	4,900	4,900
8131	Purchased Water - SBA	9,383,400	9,521,700
8132	Purchased Water - SFWD	17,687,400	17,687,400
8133	Purchased Water - STP	1,007,800	1,048,100
	Total Source of Supply	38,120,600	38,712,800
Pumping			
8211	Operation of Prod Wells	10,900	11,400
8212	Operation of Booster Pumps	900	900
8223	Maintenance of Booster Pumps	1,400,600	1,506,500
8224	Maintenance of Scada System	311,600	320,300
	Total Pumping	1,724,000	1,839,100
Water Treatment			
8311	Operation of Blending Facility	549,300	537,100
8313	Oper of Water Treatment Plant #1	650,600	588,200
8314	Oper of Water Treatment Plant #2	5,603,400	5,523,900
8315	Operation of Desalination Facility	931,200	846,100
8318	Operations Tech Support	1,401,600	1,401,700
8321	Maintenance of Blending Facility	523,700	530,100
8323	Maint of Water Treatment Plant #1	239,700	240,400
8324	Maint of Water Treatment Plant #2	1,905,500	1,908,500
8325	Maintenance of Desalination Plant	1,119,100	1,215,700
8330	Laboratory Services	3,170,500	3,241,000
	Total Water Treatment	16,094,600	16,032,700

**ALAMEDA COUNTY WATER DISTRICT
OPERATING EXPENSES
OPERATIONS & MAINTENANCE (O&M) DETAIL**

Reporting Group	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
	Transmission & Distribution		
8411	Engineering of Distrib System	2,865,900	2,907,400
8412	Operation of Distrib System	3,074,900	2,960,900
8421	Maintenance of Reservoirs	893,100	844,600
8422	Maintenance of Mains	2,475,900	2,502,500
8423	Maintenance of Cathodic Stations	42,200	42,200
8424	Maintenance of Service Lines	1,722,900	1,766,400
8425	Maintenance of Meters	823,300	835,900
8426	Maintenance of Fire Hydrants	266,600	266,600
8427	Maintenance of Backflow Preventers	495,300	497,200
8428	Maintenance of Distribution System	2,311,900	2,315,900
8429	Maintenance - Facilities Engineering	1,973,400	2,063,100
8450	Maintenance of Regulator Stations	241,400	265,500
	Total Transmission & Distribution	17,186,800	17,268,200
	Total Operations and Maintenance	\$ 73,126,000	\$ 73,852,800

**ALAMEDA COUNTY WATER DISTRICT
OPERATING EXPENSES
ADMINISTRATIVE & GENERAL (A&G) DETAIL**

Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Salaries	\$ 6,011,900	\$ 6,113,600
Other Pay (Vacation, Holiday, Sick Leave, etc.)	5,049,800	5,175,200
Employees' Retirement and Benefits (Page 22)	16,007,200	17,299,300
Property and Liability Insurance	596,800	614,700
Election Expense	-	450,000
Education & Training	248,700	254,500
Travel, Subscriptions, & Dues	340,400	341,400
Office Supplies	107,700	108,700
Postage & Shipping Services	228,800	239,300
Telephone	140,000	140,000
Small Tools/Supplies	202,400	207,200
Legal Services	1,000,000	1,000,000
Professional Services	1,097,600	911,500
OPEB	4,401,100	4,449,500
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100
Information Technology	1,173,800	1,172,800
Security & Emergency Services	1,048,100	1,073,100
Public Information/Conservation	1,440,200	1,459,400
Equipment/Auto Maintenance	928,000	938,800
Property Maintenance	1,386,100	1,446,200
Other A&G	612,100	605,200
Total A&G Before Expense Transfers	47,203,200	48,936,200
Expense Transfer - Equipment	(1,867,400)	(1,644,600)
Expense Transfer - Overhead	(28,157,600)	(27,932,600)
Total Expense Transfer	(30,025,000)	(29,577,200)
Net A&G After Expense Transfers	\$ 17,178,200	\$ 19,359,000

**ALAMEDA COUNTY WATER DISTRICT
OPERATING EXPENSES
EXPENSE PROJECTS DETAIL**

Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Water Quality Extraordinary Expenses	\$ 496,600	\$ 251,000
Integrated Resources Planning - Extraordinary Expense	87,000	-
California WaterFix - Extraordinary Expense	200,000	200,000
Los Vaqueros Reservoir Expansion Project	-	100,000
IRP - Lake Del Valle	120,000	-
Advanced Metering Infrastructure	200,000	2,400,000
Oroville Dam Repairs	500,000	500,000
Total Expense Projects	<u>\$ 1,603,600</u>	<u>\$ 3,451,000</u>

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
SUMMARY**

	FY 17/18 Adopted Budget			FY 18/19 Adopted Budget		
	Total Budget	GF	FIF	Total Budget	GF	FIF
Distribution System	\$ 17,542,400	\$ 15,128,500	\$ 2,413,900	\$ 17,204,600	\$ 14,295,000	\$ 2,909,600
Ground Water	3,850,100	3,168,000	682,100	12,042,600	9,598,300	2,444,300
Vehicle	635,000	626,500	8,500	514,000	505,600	8,400
Headquarters Facility	558,000	236,300	321,700	148,000	133,200	14,800
Engineering	684,000	413,300	270,700	332,000	265,100	66,900
Total Capital Projects	<u>\$ 23,269,500</u>	<u>\$ 19,572,600</u>	<u>\$ 3,696,900</u>	<u>\$ 30,241,200</u>	<u>\$ 24,797,200</u>	<u>\$ 5,444,000</u>
Customer Jobs	4,810,500	4,810,500	-	4,945,800	4,945,800	-

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
DISTRIBUTION SYSTEM**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
1.	BB0101B	Canyon Heights Booster Station Upgrade/Replacement	\$ -	\$ 10,000
2.	BB0203B	Curtner Road Booster Station Upgrade	-	84,000
3.	BB0602B	Seven Hills Booster Station Study and Upgrade	-	10,000
4.	BB0851	Washington Booster Improvements (Phase 1 and 2)	51,000	-
5.	BB1002	Whitfield Zone 1 Flowmeter	56,000	-
6.	BB1251B	Scott Creek Booster Station Improvements and Equipment Replacements	15,000	-
7.	BB1351B	Avalon Heights Booster Improvements and Equipment Replacements	69,500	-
8.	BB1501	PR-1 Booster Station (Future)	-	402,100
9.	EE0201B	Engineering Report for CIP	-	227,000
10.	EE0501	CIP Planning/Facility Assessments	236,700	-
11.	EE0601	Hazard Mitigation and Emergency Response Strategic Planning	120,000	120,000
12.	GA5005	Desal Production Well Equipment Replacement	-	125,000
13.	GG0211B	Rock Pond to Horseshoe Lake Pipeline	-	417,400
14.	MD0101	Service Line Emergency Replacement Program	1,588,200	1,488,200
15.	MD0102	Service Line Incidental Replacement Program	200,000	200,000
16.	MD0106	Fault Crossing - Hose Procurement	380,000	-
17.	MD0110B	Zone Valve Relocation - Warm Springs	-	172,800
18.	MD0111	Service Lines - Lead Evaluation	56,000	42,000
19.	MD0201	Water Meter Replacement Program - Large Meters	288,000	288,000
20.	MD0202	Water Meter Replacement Program - Medium Meters	280,000	280,000
21.	MD5001B	Distribution System Large Valve Replacement Program	200,600	200,600
22.	MM4006B	Main Relocations for SFPUC Bay Division Pipeline 3 & 4 Seismic Project	1,535,000	-
23.	MM4010	Capitol Avenue Main Replacement	148,400	-
24.	MM4011	East West Connector Project	5,000	5,000
25.	MM4012	ACFC Crossings	252,000	-
26.	MM8005	Washington Boulevard/I-680 Pipeline Improvement Project	366,800	-
27.	MM8007	Main Renewal - MR1 Driscoll	-	300,000
28.	MM8008	Main Renewal - MR3 Central Newark	80,000	240,000
29.	MM8009	Main Renewal - MR4 Cherry	300,000	2,700,000
30.	MM8010	Main Renewal - MR5 Patterson	-	300,000
31.	MM8006	Alvarado Niles Pipeline Seismic Improvement Project	5,680,000	6,500,000
32.	MN0101B	Cathodic Protection Improvements and Additions	119,000	200,000

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
DISTRIBUTION SYSTEM**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
33.	MU5002	Regulator Site Improvements and Equipment Replacements	39,000	39,000
34.	PF0201	Durham Take-off Improvements	-	35,000
35.	PH0251B	Desal Facility Improvements / Equipment Replacements	150,000	30,000
36.	PH0252B	Membranes for Desal Facility	1,234,000	-
37.	PJ0212	TP2 Filter Press Polymer System Upgrade	205,000	42,000
38.	PJ0251C	WTP No.2 Improvements and Equipment Replacements	250,000	139,500
39.	PW0351B	Mowry and PT Wellfields - Replacement Pumping Equipment	-	87,000
40.	PW5001B	Wellfield General Improvements and Equipment Replacements	259,000	-
41.	SR0101	Alameda Reservoir Roof Replacement	-	5,000
42.	SR0306	Whitfield Water Quality Improvements	-	67,000
43.	SR0650	Patterson Reservoir Remediation Project	196,500	860,000
44.	ST0251B	Canyon Heights Tank Improvements	299,600	-
45.	ST0551B	MSJ Tank Improvements	617,700	-
46.	ST0752	Avalon Tank Slope Stabilization Improvements	184,400	-
47.	YI0101B	SCADA Replacements & Upgrades	-	10,000
48.	YI0102B	Distribution PLC Upgrade	430,000	430,000
49.	YI0103B	Watershed SCADA additions to Distribution SCADA	33,000	22,000
50.	YI0105B	WTP2 PLC Replacement	1,058,000	-
51.	YI0502B	Communications Project - Production & Storage	239,800	974,800
52.	YI5002B	Physical Security Upgrades at Critical District Facilities	121,200	121,200
53.	AK0352	Water Quality Laboratory Equipment Program	10,000	30,000
54.	SR0452	Mayhew Reservoir Overflow Outlet Improvements	88,000	-
55.	WZ0601	Conservation Database and DLP reporting tool	100,000	-
Total Distribution System Capital Projects			<u>\$ 17,542,400</u>	<u>\$ 17,204,600</u>

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
GROUND WATER**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
1.	GG0302B	Kaiser Pond Diversion Improvement Project	\$ 247,800	\$ 641,200
2.	GG0305	Pit T-2 Slope Rehabilitation	93,000	-
3.	GG0501	Vallecitos Channel Betterments	675,100	836,800
4.	GG0601B	Monitoring Well Construction Project	19,600	19,600
5.	GG1301B	Shinn Pond Fish Screen	207,100	406,800
6.	GG4103B	Rubber Dam 1 - Fish Ladder	631,800	1,894,300
7.	GG4302B	Rubber Dam No. 3 Fabric Replacement	957,000	915,000
8.	GG4303B	Rubber Dam No. 3 Fish Ladder	555,000	7,047,600
9.	GG5001	GW Supply Facilities Improv/Equip Replacements	40,000	40,000
10.	GG5002B	Groundwater Recharge Facilities - Control Electrification	105,000	54,000
11.	GG5004	Old Jarvis Road Irrigation Well Destruction Grant Project	270,700	3,300
12.	GG7001	G-G 70.01 Groundwater Basin Flow Model (Update)	-	184,000
13.	YI0501B	Communications Systems Projects - Alameda Creek	48,000	-
Total Groundwater Capital Projects			<u>\$ 3,850,100</u>	<u>\$ 12,042,600</u>

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
VEHICLE**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
1.	AV0101	Vehicle Capital - Air Quality Reg'd Equip Upgrades	\$ 250,000	\$ -
2.	AV0102	Vehicle Capital - Light Duty Vehicles	210,000	220,000
3.	AV0104	Vehicle Capital - Heavy -Duty Vehicles	-	125,000
4.	AV0105	Portable Emergency Generator Plug Connections	85,000	84,000
5.	AV0152	Equipment and Tools - Distribution Maintenance	60,000	60,000
6.	AV0153	Equipment and Tools - Facilities Maintenance	20,000	15,000
7.	AV0154	Equipment and Tools - General Facilities	10,000	10,000
Total Vehicle Capital Projects			<u>\$ 635,000</u>	<u>\$ 514,000</u>

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
HEADQUARTERS FACILITY**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
1.	AQ0102	Headquarters Facility - Building Renovation Projects - New Offices	\$ 310,000	\$ -
2.	AQ0103	Headquarter Facility -HVAC Upgrades	31,200	-
3.	AQ0110	Board Room Audio-Visual Upgrades	100,000	-
4.	AQ0151B	Headquarters Facility Improvement/ Equipment Replacement	116,800	148,000
Total Headquarters Facility Capital Projects			<u>\$ 558,000</u>	<u>\$ 148,000</u>

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
ENGINEERING**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
1.	AK0103	IT Custom Applications-DCJETS Replacement and Upgrades	\$ 213,000	\$ 53,000
2.	AK0104B	IT - Cityworks for Groundwater Permits	120,000	-
3.	AK0106B	ITMP - SharePoint	57,000	-
4.	AK0109	IT Infrastructure Upgrades - Capital	129,000	135,000
5.	AK0110	IT Records Management Project	160,000	139,000
6.	AK0251	Engineering Department - Capital Equipment and Materials	5,000	5,000
Total Engineering Capital Projects			<u>\$ 684,000</u>	<u>\$ 332,000</u>

**ALAMEDA COUNTY WATER DISTRICT
CAPITAL PROJECTS
CUSTOMER JOBS**

Item No	CIP No	Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
1.	MD0109	Customer Generated Distribution System Improvements	\$ 4,810,500	\$ 4,945,800

**ALAMEDA COUNTY WATER DISTRICT
DEBT SERVICE
SCHEDULE**

	Amount of Original Issue	Outstanding Balance at 6/30/2017	FY 17/18 Adopted Budget			FY 18/19 Adopted Budget		
			Principal	Interest	Total	Principal	Interest	Total
2009 Refunding Revenue Bonds 2.0% - 5.0% Maturity: FY 2019-20	\$ 26,340,000	\$ 8,070,000	\$ 2,600,000	\$ 263,700	\$ 2,863,700	\$ 2,690,000	\$ 172,600	\$ 2,862,600
2012 Revenue Bonds 3.0% - 5.0% Maturity: FY 2040-41	45,240,000	43,955,000	280,000	1,606,700	1,886,700	290,000	1,595,500	1,885,500
2015 Revenue Bonds 4.0% - 5.0% Maturity: FY 2044-45	27,810,000	26,875,000	500,000	1,122,900	1,622,900	525,000	1,097,900	1,622,900
Grand Total	\$ 99,390,000	\$ 78,900,000	\$ 3,380,000	\$ 2,993,300	\$ 6,373,300	\$ 3,505,000	\$ 2,866,000	\$ 6,371,000

**ALAMEDA COUNTY WATER DISTRICT
LABOR AND BENEFITS
LABOR COST DETAIL**

	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
Operating		
Source of Supply	\$ 2,675,400	\$ 2,727,300
Pumping	237,600	244,400
Water Treatment	4,163,600	4,118,200
Transmission & Distribution	4,932,700	5,001,200
Customer Accounts	1,339,200	1,392,800
Administration & General	7,502,100	7,619,600
Vacation, Sick Leave, Etc.	5,049,800	5,175,200
Expense Projects	112,500	57,400
Total Operating Labor	26,012,900	26,336,100
Capital		
General Fund	2,064,100	1,854,700
Facilities Improvement Fund	292,800	302,300
Total Capital Labor	2,356,900	2,157,000
Customer Jobs	1,164,500	1,212,800
Total Labor Costs	\$ 29,534,300	\$ 29,705,900

**ALAMEDA COUNTY WATER DISTRICT
LABOR AND BENEFITS
EMPLOYEE RETIREMENT AND BENEFIT DETAIL**

Description	FY 17/18 Adopted Budget	FY 18/19 Adopted Budget
PERS Employer Percent	\$ 8,033,400	\$ 8,903,600
PERS EE Portion Paid by ACWD	326,500	329,900
Deferred Comp Contribution	60,500	60,500
Social Security	20,000	21,000
Medical	5,193,900	5,558,800
Medicare	411,300	414,800
AD&D	6,300	6,300
Life Insurance	60,600	61,200
Dental	427,500	440,300
Vision	65,100	67,000
Employee Assistance Program	6,700	6,700
Short Term Disability	70,300	71,100
LTD/Wage Continuation	103,100	104,300
Unemployment Insurance	13,000	13,000
Workers' Comp	1,059,000	1,090,800
MCP Allowance	103,000	103,000
Misc Other Benefits	47,000	47,000
Total Emp Ret & Benefits	\$ 16,007,200	\$ 17,299,300
OPEB	4,401,100	4,449,500
OPEB Advanced Funding	2,160,900	2,225,700
Pension Advanced Funding	3,021,600	2,710,100

ALAMEDA COUNTY WATER DISTRICT

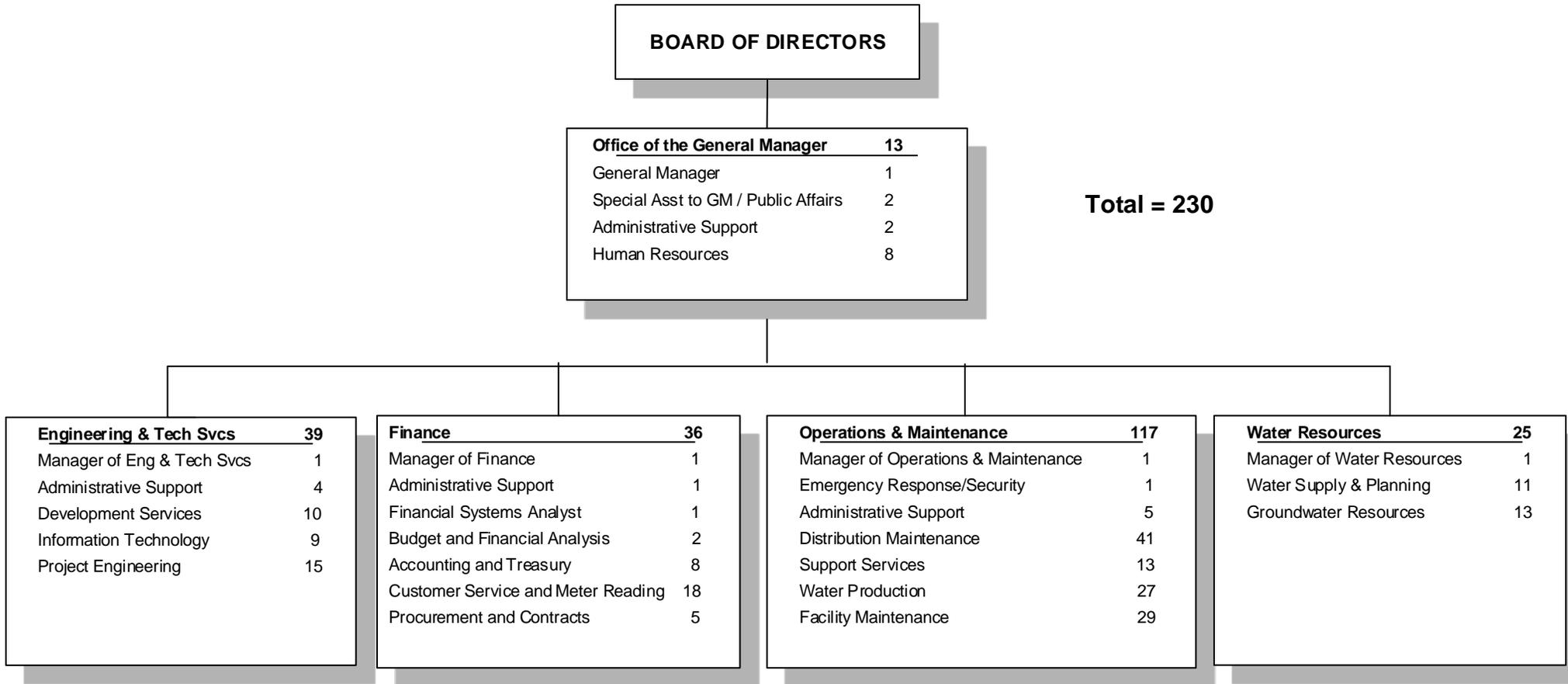
PERSONNEL BUDGET
Fiscal Years 2017/18 & 2018/19

ORGANIZATION CHARTS
SUMMARY

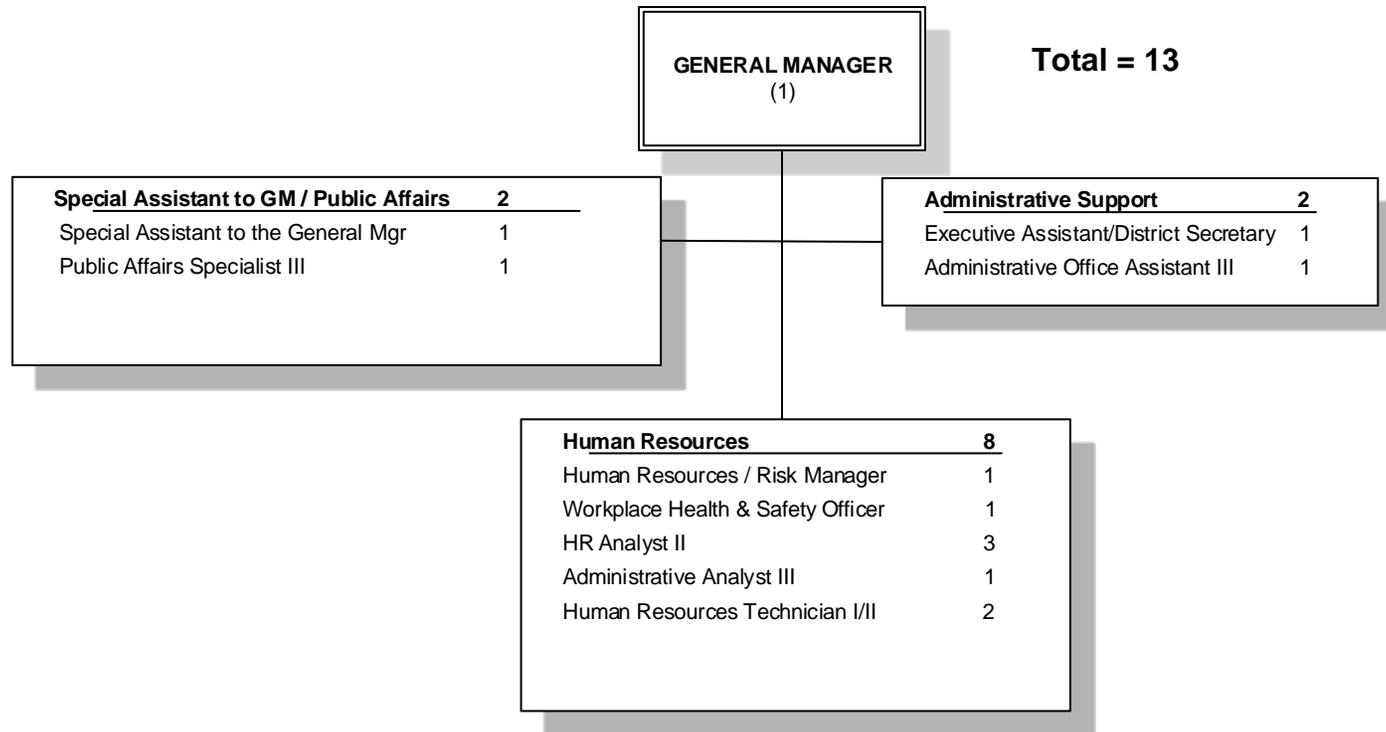
DEPARTMENTS:

Office of the General Manager
Engineering & Technology Services
Finance
Operations & Maintenance
Water Resources

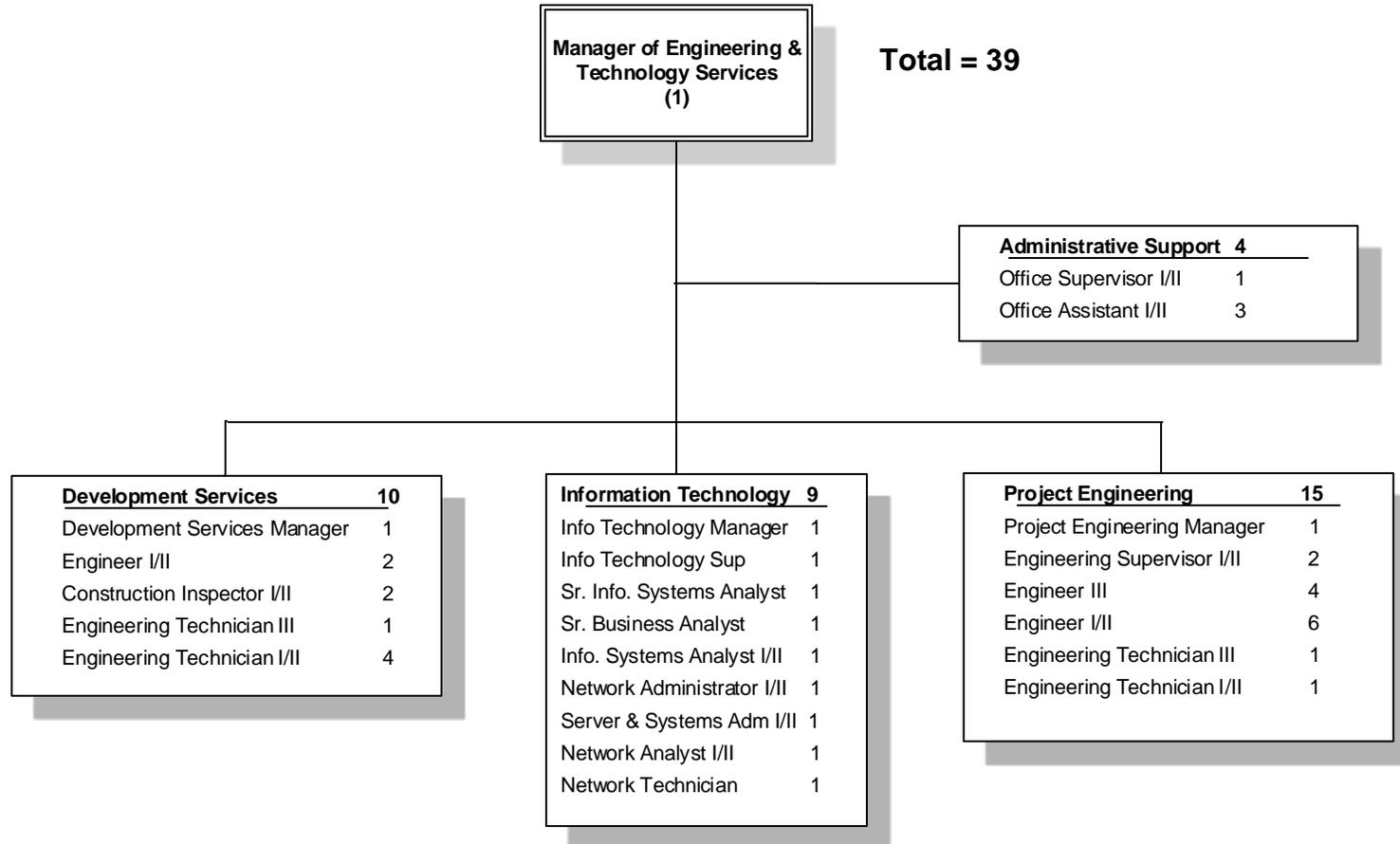
**ALAMEDA COUNTY WATER DISTRICT
FUNCTIONAL ORGANIZATIONAL CHART
FY 17/18 & 18/19**



**ALAMEDA COUNTY WATER DISTRICT
OFFICE OF THE GENERAL MANAGER
FY 17/18 & FY 18/19**



**ALAMEDA COUNTY WATER DISTRICT
ENGINEERING & TECHNOLOGY SERVICES DEPARTMENT
FY 17/18 & FY 18/19**



**ALAMEDA COUNTY WATER DISTRICT
FINANCE DEPARTMENT
FY 17/18 & FY 18/19**

**Manager of Finance
(1)**

Total = 36

Administrative Support 1
Administrative Analyst I/II 1

Financial Systems Analyst 1
Fin. Systems Analyst I/II 1

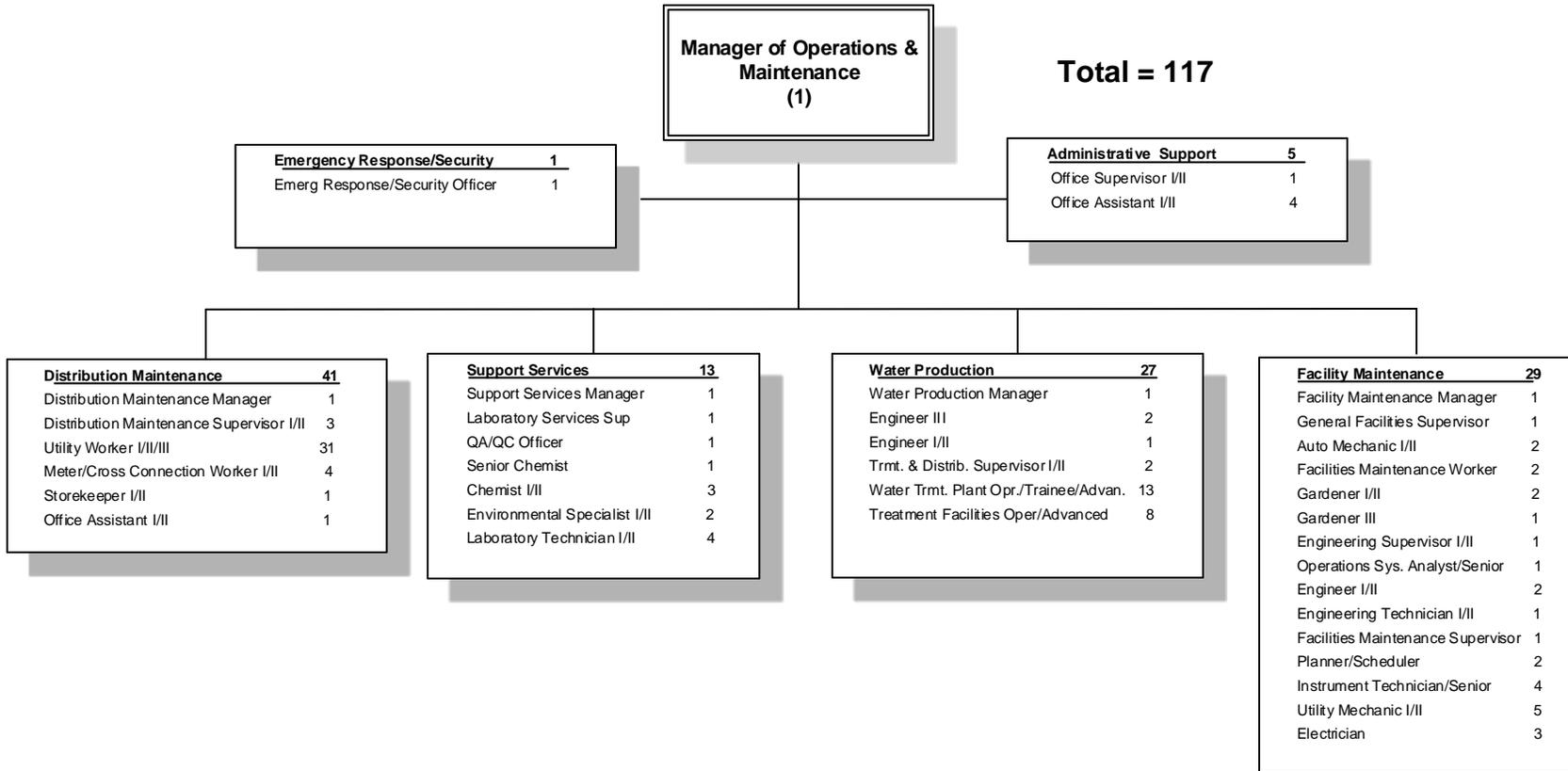
Procurement and Contracts 5
Purchasing Officer I/II 1
Senior Buyer I/II 1
Buyer I/II 1
Procurement Specialist/Buyer I/II 1
Office Assistant I/II 1

Budget and Financial Analysis 2
Rates, Fin Analysis & Budget Mgr 1
Senior Financial Analyst 1

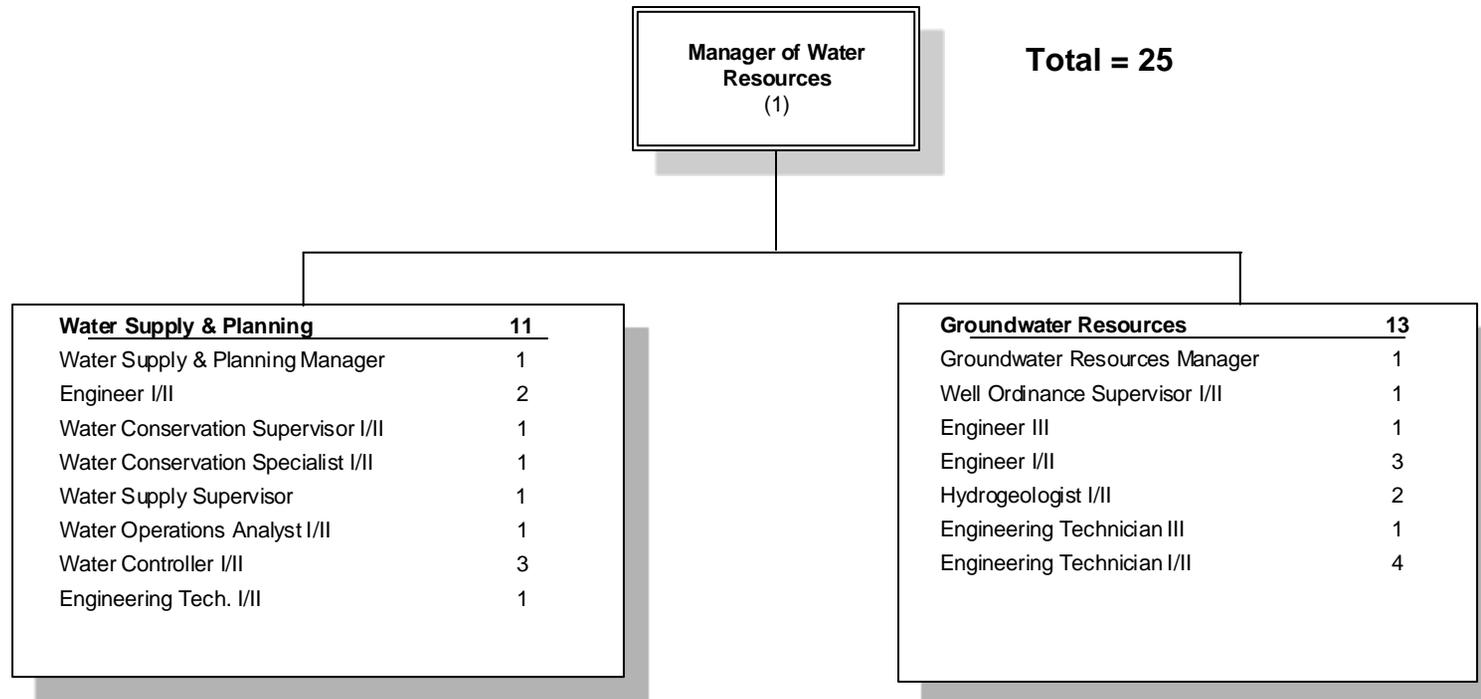
Accounting and Treasury 8
Accounting & Treasury Mgr 1
Accounting Supervisor VII 1
Accountant I/II 3
Accounting Assistant I/II 3

Customer Service and Meter Reading 18
Customer Svc & Systems Mgr 1
Customer Service Supervisor 1
Customer Acct. Field Rep. 2
Meter Reader Supervisor 1
Meter Reader 5
Customer Acct. Rep. III 1
Customer Acct. Rep. I/II 7

**ALAMEDA COUNTY WATER DISTRICT
OPERATIONS & MAINTENANCE DEPARTMENT
FY 17/18 & 18/19**



**ALAMEDA COUNTY WATER DISTRICT
WATER RESOURCES DEPARTMENT
FY 17/18 & 18/19**



**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
SUMMARY**

DEPARTMENT	FY 2016/17 REVISED		FY 2017/18 ADOPTED		FY 2018/19 ADOPTED	
	REGULAR	TEMP/ PART-TIME	FULL TIME	TEMP/ PART TIME	FULL TIME	TEMP/ PART TIME
OFFICE OF THE GENERAL MANAGER	14.0	1.0	13.0	1.0	13.0	1.0
ENGINEERING & TECHNOLOGY SERVICES	38.0	1.0	39.0	1.0	39.0	1.0
FINANCE	36.0	2.0	36.0	2.0	36.0	2.0
OPERATIONS & MAINTENANCE	117.0	2.0	117.0	2.0	117.0	2.0
WATER RESOURCES	25.0	4.0	25.0	4.0	25.0	4.0
TOTAL DISTRICT	230.0	10.0	230.0	10.0	230.0	10.0

**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
OFFICE OF THE GENERAL MANAGER**

<u>CLASSIFICATION</u>	<u>FY 2016/17 REVISED</u>	<u>FY 2017/18 ADOPTED</u>	<u>FY 2018/19 ADOPTED</u>
ADMINISTRATIVE ANALYST III	1.0	1.0	1.0
ADMINISTRATIVE OFFICE ASSISTANT III	1.0	1.0	1.0
COMMUNITY AFFAIRS SPECIALIST III	1.0	-	-
COMMUNITY AFFAIRS SUPERVISOR I/II	1.0	-	-
EXECUTIVE ASSISTANT/DISTRICT SECRETARY	1.0	1.0	1.0
GENERAL MANAGER	1.0	1.0	1.0
HUMAN RESOURCES ANALYST I/II	1.0	3.0	3.0
HUMAN RESOURCES ANALYST I/II/III	1.0	-	-
HUMAN RESOURCES ANALYST I/II/III/SUP HR ANALYST	1.0	-	-
HUMAN RES ASST I/II/HUMAN RESOURCES TECH I/II	2.0	-	-
HUMAN RESOURCES TECHNICIAN I/II	-	2.0	2.0
HUMAN RESOURCES/RISK MANAGER	1.0	1.0	1.0
PUBLIC AFFAIRS SPECIALIST III	-	1.0	1.0
SPECIAL ASSISTANT TO THE GENERAL MANAGER	1.0	1.0	1.0
WORKPLACE HEALTH & SAFETY OFFICER	1.0	1.0	1.0
TOTAL OGM - FULL TIME	14.0	13.0	13.0
<u>CLASSIFICATION</u>	<u>FY 2016/17 REVISED</u>	<u>FY 2017/18 ADOPTED</u>	<u>FY 2018/19 ADOPTED</u>
PUBLIC & COMMUNITY AFFAIRS INTERN	1.0	1.0	1.0
TOTAL OGM - TEMPORARY/PART TIME	1.0	1.0	1.0

**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
ENGINEERING AND TECHNOLOGY SERVICES**

CLASSIFICATION	FY 2016/17 REVISED	FY 2017/18 ADOPTED	FY 2018/19 ADOPTED
CONSTRUCTION INSPECTOR I/II	2.0	2.0	2.0
DEVELOPMENT SVS MANAGER/ENGINEERING SUP I/II	1.0	-	-
DEVELOPMENT SERVICES MANAGER	-	1.0	1.0
ENGINEER I/II	7.0	8.0	8.0
ENGINEER I/II/III	4.0	-	-
ENGINEER III	-	4.0	4.0
ENGINEERING ASSISTANT	1.0	-	-
ENGINEERING SUPERVISOR I/II	2.0	2.0	2.0
ENGINEERING TECHNICIAN I/II	5.0	5.0	5.0
ENGINEERING TECHNICIAN III	1.0	2.0	2.0
INFORMATION SYSTEMS ANALYST I/II	1.0	1.0	1.0
INFORMATION TECHNOLOGY MANAGER	1.0	1.0	1.0
INFORMATION TECHNOLOGY SUPERVISOR	1.0	1.0	1.0
MANAGER OF ENGINEERING & TECH SERVICES	1.0	1.0	1.0
NETWORK ADMINISTRATOR I/II	1.0	1.0	1.0
NETWORK ANALYST I/II	1.0	1.0	1.0
NETWORK TECHNICIAN	1.0	1.0	1.0
OFFICE ASSISTANT I/II	3.0	3.0	3.0
OFFICE SUPERVISOR I/II	1.0	1.0	1.0
PROJECT ENGINEERING MANAGER	1.0	1.0	1.0
SENIOR BUSINESS ANALYST	1.0	1.0	1.0
SENIOR INFORMATION SYSTEMS ANALYST	1.0	1.0	1.0
SERVER AND SYSTEMS ADMINISTRATOR I/II	1.0	1.0	1.0
TOTAL ETS - FULL TIME	38.0	39.0	39.0
CLASSIFICATION	FY 2016/17 REVISED	FY 2017/18 ADOPTED	FY 2018/19 ADOPTED
WORK EXPERIENCE EDUCATION STUDENT	1.0	1.0	1.0
TOTAL ETS - TEMPORARY/PART TIME	1.0	1.0	1.0

**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
FINANCE**

CLASSIFICATION	FY 2016/17 REVISED	FY 2017/18 ADOPTED	FY 2018/19 ADOPTED
ACCOUNTANT I/II	3.0	3.0	3.0
ACCOUNTING ASSISTANT I/II	3.0	3.0	3.0
ACCOUNTING SUPERVISOR I/II	1.0	1.0	1.0
ACCOUNTING AND TREASURY MANAGER	1.0	1.0	1.0
ADMINISTRATIVE ANALYST I/II/III	1.0	-	-
ADMINISTRATIVE ANALYST I/II	-	1.0	1.0
BUYER I/II	1.0	1.0	1.0
CUSTOMER ACCOUNT FIELD REPRESENTATIVE	2.0	2.0	2.0
CUSTOMER ACCOUNT REPRESENTATIVE I/II	7.0	7.0	7.0
CUSTOMER ACCOUNT REPRESENTATIVE III	1.0	1.0	1.0
CUSTOMER SERVICE SUPERVISOR I/II	1.0	1.0	1.0
CUSTOMER SVCS AND SYSTEMS MANAGER	1.0	1.0	1.0
FINANCIAL ANALYST I/II / SENIOR FINANCIAL ANALYST	1.0	-	-
FINANCIAL SYSTEMS ANALYST I/II	1.0	1.0	1.0
MANAGER OF FINANCE	1.0	1.0	1.0
METER READER	5.0	5.0	5.0
METER READING SUPERVISOR	1.0	1.0	1.0
OFFICE ASSISTANT I/II	1.0	1.0	1.0
PROCUREMENT SPECIALIST/BUYER I/II	1.0	1.0	1.0
PURCHASING OFFICER I/II	1.0	1.0	1.0
RATES, FINANCIAL ANALYSIS & BUDGET MGR	1.0	1.0	1.0
SENIOR BUYER	1.0	1.0	1.0
SENIOR FINANCIAL ANALYST	-	1.0	1.0
TOTAL FIN - FULL TIME	36.0	36.0	36.0
CLASSIFICATION	FY 2016/17 REVISED	FY 2017/18 ADOPTED	FY 2018/19 ADOPTED
WORK EXPERIENCE EDUCATION STUDENT	2.0	2.0	2.0
TOTAL FIN - TEMPORARY/PART TIME	2.0	2.0	2.0

**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
OPERATIONS AND MAINTENANCE**

CLASSIFICATION	FY 2016/17 REVISED	FY 2017/18 ADOPTED	FY 2018/19 ADOPTED
AUTO MECHANIC I/II	2.0	2.0	2.0
CHEMIST I/II	3.0	3.0	3.0
DISTRIBUTION MAINTENANCE MANAGER	1.0	1.0	1.0
DISTRIBUTION MAINTENANCE SUPERVISOR I/II	3.0	3.0	3.0
ELECTRICIAN	3.0	3.0	3.0
EMERGENCY RESPONSE/SECURITY OFFICER	1.0	1.0	1.0
ENGINEER I/II	3.0	3.0	3.0
ENGINEER I/II/III	1.0	-	-
ENGINEER III	1.0	2.0	2.0
ENGINEERING SUPERVISOR I/II	1.0	1.0	1.0
ENGINEERING TECHNICIAN I/II	1.0	1.0	1.0
ENGINEERING TECH I/II/LABORATORY TECH I/II	1.0	-	-
ENVIRONMENTAL SPECIALIST I/II	2.0	2.0	2.0
FACILITIES MAINTENANCE MANAGER	1.0	1.0	1.0
FACILITIES MAINTENANCE SUPERVISOR	1.0	1.0	1.0
FACILITIES MAINTENANCE WORKER	2.0	2.0	2.0
GARDENER I/II	2.0	2.0	2.0
GARDENER III	1.0	1.0	1.0
GENERAL FACILITIES SUPERVISOR	1.0	1.0	1.0
INSTRUMENT TECHNICIAN/SENIOR	4.0	4.0	4.0
LABORATORY SERVICES SUPERVISOR	-	1.0	1.0
LABORATORY TECHNICIAN I/II	3.0	4.0	4.0
MANAGER OF OPERATIONS AND MAINTENANCE	1.0	1.0	1.0
METER/CROSS CONNECTION WORKER I/II	4.0	4.0	4.0
OFFICE SUPERVISOR I/II	1.0	1.0	1.0
OFFICE ASSISTANT I/II	5.0	5.0	5.0
OPERATIONS SYSTEMS ANALYST/SENIOR	1.0	1.0	1.0

**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
OPERATIONS AND MAINTENANCE**

<u>CLASSIFICATION</u>	<u>FY 2016/17 REVISED</u>	<u>FY 2017/18 ADOPTED</u>	<u>FY 2018/19 ADOPTED</u>
PLANNER/SCHEDULER	2.0	2.0	2.0
QA/QC OFFICER	1.0	1.0	1.0
SENIOR CHEMIST/LABORATORY SVCS SUPERVISOR	2.0	-	-
SENIOR CHEMIST	-	1.0	1.0
SENIOR WATER TREATMENT PLANT OPERATOR	1.0	-	-
STOREKEEPER I/II	1.0	1.0	1.0
SUPPORT SERVICES MANAGER	1.0	1.0	1.0
TREATMENT & DISTRIBUTION SUPERVISOR I/II	2.0	2.0	2.0
TREATMENT FACILITIES OPERATOR/TRAINEE/ADV	8.0	8.0	8.0
UTILITY MECHANIC I/II	5.0	5.0	5.0
UTILITY WORKER I/II/III	31.0	31.0	31.0
WATER SUPPLY & PRODUCTION MANAGER	1.0	-	-
WATER PRODUCTION MANAGER	-	1.0	1.0
WATER TREATMENT PLANT OPERATOR/TRAINEE/ADV	12.0	13.0	13.0
TOTAL OM - FULL TIME	117.0	117.0	117.0

<u>CLASSIFICATION</u>	<u>FY 2016/17 REVISED</u>	<u>FY 2017/18 ADOPTED</u>	<u>FY 2018/19 ADOPTED</u>
MAINTENANCE INTERN	1.0	-	-
OPERATOR INTERN	1.0	-	-
INTERN	-	2.0	2.0
TOTAL OM - TEMPORARY/PART TIME	2.0	2.0	2.0

**ALAMEDA COUNTY WATER DISTRICT
PERSONNEL BUDGET
WATER RESOURCES**

<u>CLASSIFICATION</u>	<u>FY 2016/17 REVISED</u>	<u>FY 2017/18 ADOPTED</u>	<u>FY 2018/19 ADOPTED</u>
ENGINEER I/II	3.0	5.0	5.0
ENGINEER I/II/WATER OPS ANALYST I/II	1.0	-	-
ENGINEER III	1.0	1.0	1.0
ENGINEERING SUP I/II/WATER SUPPLY SUP	1.0	-	-
ENGINEERING TECHNICIAN I/II	5.0	5.0	5.0
ENGINEERING TECHNICIAN III	1.0	1.0	1.0
GROUNDWATER RESOURCES MANAGER	1.0	1.0	1.0
HYDROGEOLOGIST I/II	2.0	2.0	2.0
HYDROLOGIST I/II/WATER OPS ANALYST I/II	1.0	-	-
MANAGER OF WATER RESOURCES	1.0	1.0	1.0
WATER CONSERVATION SPECIALIST I/II	1.0	1.0	1.0
WATER CONSERVATION SUPERVISOR I/II	1.0	1.0	1.0
WATER CONTROLLER I/II	3.0	3.0	3.0
WATER OPERATIONS ANALYST I/II	-	1.0	1.0
WATER RESOURCES PLANNING MANAGER	1.0	-	-
WATER SUPPLY DIVISION MANAGER	1.0	-	-
WATER SUPPLY & PLANNING MANAGER	-	1.0	1.0
WATER SUPPLY SUPERVISOR	-	1.0	1.0
WELL ORDINANCE SUPERVISOR I/II	1.0	1.0	1.0
TOTAL WR - FULL TIME	25.0	25.0	25.0
<u>CLASSIFICATION</u>	<u>FY 2016/17 REVISED</u>	<u>FY 2017/18 ADOPTED</u>	<u>FY 2018/19 ADOPTED</u>
ENGINEERING INTERN	4.0	4.0	4.0
TOTAL WR - TEMPORARY/PART TIME	4.0	4.0	4.0