

BOARD OF WATER SUPPLY

City and County of Honolulu
Honolulu, Hawaii



2017 BUDGET

For the Fiscal Year Beginning July 1, 2016 and
Ending June 30, 2017

**BOARD OF WATER SUPPLY
City and County of Honolulu**

**OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET
For the Fiscal Year Beginning July 1, 2016 and Ending June 30, 2017**

BOARD MEMBERS

Duane R. Miyashiro, Chair

Adam C. Wong, Vice-Chair

Bryan P. Andaya, Member

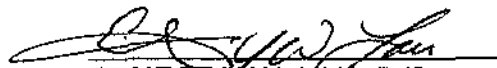
David C. Hulihee, Member

Kapua Sproat, Member

Ross S. Sasamura, Ex-Officio

Ford N. Fuchigami, Ex-Officio

SUBMITTED BY:


ERNEST Y.W. LAU, P.E.
Manager and Chief Engineer

APPROVED:


DUANE R. MIYASHIRO
Chair
May 23, 2016

May 23, 2016

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

In accordance with Section 7-106(i), Revised Charter of the City and County of Honolulu, we submit for your review and approval the proposed Operating and Capital Improvement Program Budget for fiscal year July 1, 2016 to June 30, 2017.

FINANCIAL PLAN

The proposed Operating Budget for FY 2017 is based upon total operating fund resources of \$332.5 million, to be derived from operating revenues of \$230.8 million and an estimated carryover balance from FY 2016 of \$95.9 million. The carryover balance results from the estimated operating fund balance that is unappropriated. The unappropriated fund balance is composed of a minimum fund reserve required to maintain its recommended debt service coverage of \$28.5 million, working capital reserve of \$26 million, and an unreserved fund balance of \$41.4 million. An additional resource of \$5.8 million will be available in FY 2017 due to a reduction in the common reserve requirements for the department's bonds payable program. The proposed operating fund expenditure allocations are \$210.9 million for operating expenses and \$74.4 million for the Capital Improvement Program (CIP) Budget. A projected ending balance of \$47.2 million will be unappropriated.

The proposed CIP budget totals \$80.8 million is funded by \$74.4 million from the Operating Fund; \$2.4 million from the Special Expendable Fund; and \$4.0 million from the Reserve Release Fund. Of the \$74.4 million in Operating Funds proposed for the CIP, \$21.9 million is eligible for participation in the State of Hawaii, Department of Health State Revolving Fund (SRF) loan program. The SRF loan program currently offers zero interest rate loans and low administrative fees.

PART I. OPERATING BUDGET

Following are summaries of the proposed revenues and expenditures for the next fiscal year as well as the corresponding figures for the preceding two fiscal years.

A. REVENUES

For FY 2017, we are projecting total revenues of \$230.8 million; which is \$11.6 million or 5.3 percent more than total revenues budgeted for FY 2016. No water rate increases are programmed for FY 2017 and the 5.3 percent increase in revenue is due to increasing trend in metered sales revenue offset by a decrease in other revenues.

<u>Revenue Sources</u>	FY 2015 Actual	FY 2016 Budgeted	FY 2017 Budgeted	Percent Change FY 2017 Over FY 2016
Metered Sales:				
Potable and Non-Potable Water	203,782,982	206,577,000	220,000,000	6.5%
Recycled Water	5,582,934	5,568,360	5,606,000	0.7%
Other Revenues	<u>6,774,943</u>	<u>7,056,359</u>	<u>5,196,000</u>	<u>-26.4%</u>
Total Revenues	<u>216,140,859</u>	<u>219,201,719</u>	<u>230,802,000</u>	<u>5.3%</u>

Metered Sales – Potable Water and Non-Potable

Potable and non-potable water sales are projected to increase by \$13.5 million or 6.5 percent over the FY 2016 budget amount to \$220 million. This increase is primarily due to an increasing trend in potable water consumption due to population growth, current billing trends and a conservative revenue estimate in the FY 2016 budget.

Metered Sales – Recycled Water

Recycled water sales at \$5.6 million is projected to increase by 0.7 percent when compared to the FY 2016 budgeted amounts due to projected increased usage.

Other Revenues

Other Revenues of \$5.2 million will be \$1.9 million lower than the FY 2016 budget amount due to an anticipated decrease in interest income of \$1 million. Interest income is interest revenue earned on the Board's investments. Anticipated decreases are also expected in Other Water Revenues and Revenues from Water Service Installations. Other Revenues category is comprised of sources such as interest income on investments, ocean cooling revenues, automatic fire sprinkler charges, rental income, and miscellaneous billing charges.

B. EXPENDITURES

The proposed total operating expenditures for FY 2017 are budgeted at \$285.3 million. This represents an increase of \$36.8 million, or 14.8 percent more than the amount budgeted for the current fiscal year. This change is primarily attributable to an increase in funding for the Capital Improvement Program of \$12.9 million; an increase in funding the department's debt service of \$15.6 million; increase in funding for materials, supplies and services of \$6.9 million; increase in funding for equipment of \$1.4 million; and an increase in funding for personnel services of \$896 thousand. These increases are offset by a decrease in funding the department's fixed charges of \$821 thousand.

Highlights of the proposed Operating Budget for FY 2017 are presented following the next table.

Summary of Proposed Operating Budget, by Major Cost Categories

<u>Major Cost Category</u>	FY 2015 Actual	FY 2016 Budgeted	FY 2017 Budgeted	<u>FY 2017 Over FY 2016</u>	
				Amount	Percent
Personnel Services	34,502,676	46,790,064	47,686,232	896,168	1.9%
Materials, Supplies & Services	43,521,363	54,691,932	61,633,544	6,941,612	12.7%
Equipment	1,789,251	3,446,500	4,807,000	1,360,500	39.5%
Debt Service	18,025,634	23,311,000	38,865,000	15,554,000	66.7%
Fixed Charges	52,020,037	58,739,800	57,918,000	(821,800)	-1.4%
Total Operating Expenditures	149,858,961	186,979,296	210,909,776	23,930,480	12.8%
Transfer to CIP	55,316,203	61,529,290	74,396,800	12,867,510	20.9%
Total Expenditures	205,175,164	248,508,586	285,306,576	36,797,990	14.8%

Personnel Services

The proposed personnel services budget of \$47.7 million is \$896 thousand or 1.9 percent more than personnel services budgeted for the current year. This increase is primarily due to the funding for additional positions and wage and salary adjustments due to the collective bargaining agreements which will become effective in fiscal year 2017.

Materials, Supplies and Services (MS&S)

The proposed MS&S budget of \$61.6 million is \$6.9 million or 12.7 percent more than the expenditures budgeted for the current year. This is primarily due to an increase in funding for the meter replacement program \$1.9 million; an increase in funding the Automatic Meter Reading (AMR) program \$1.2 million. An increase of \$2.5 million is also being programmed for contracted road pavement repairs due to rising costs for these services. Funding is also being programmed in FY 2017 for project management fees for the department's paving projects

\$450 thousand and additional funds are also being budgeted for the Red Hill groundwater and Administrative Order of Consent project of \$1 million.

Equipment

The proposed equipment budget of \$4.8 million is \$1.4 million or 39.5 percent more than the amount budgeted in FY 2016. This change is due to an increased number of replacements and additions to the BWS vehicle and equipment fleet, including the acquisition of up to eight hybrid SUVs for greater fuel efficiency.

Debt Service

The total debt service requirement for FY 2017 is \$38.9 million which is \$15.6 million or 66.7 percent more than the amount budgeted in FY 2016. This increase is due to the department's plan to retire \$16 million in SRF loans. The loans to be retired have a loan fee rate of 3.25 percent that will be avoided in future budgets.

Fixed Charges

The proposed fixed charges budget of \$57.9 million is \$822 thousand, or 1.4 percent less than the amount budgeted for the current year. This decrease is due to fewer funds budgeted for electricity costs in powering the department's pumping and storage facilities. This decrease was offset by increases in funding for the EUTF contributions for the employees and retirees' health benefits \$524 thousand and increased funding to the State ERS plan \$300 thousand.

PART II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

A CIP budget of \$80.8 million is proposed for FY 2017 to be funded as follows: Operating Fund -- \$74.4 million; Special Expendable Fund -- \$2.4 million; and the Reserve Release Fund -- \$4.0 million. Of the \$80.8 million in CIP projects that will be funded through the various funds; \$21.9 million is eligible for participation in the State Department of Health's State Revolving Fund (SRF) loan program. The SRF loan program currently offers zero interest rate loans with low administrative fees.

Highlights of the proposed CIP for next year include funds for research and development (\$3.4 million), the renewal and replacement of various BWS

Chair and Members
Board of Water Supply
May 23, 2016
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pipelines, facilities and pumping stations (\$61.4 million), and capacity expansion (\$2.7 million).

The CIP cost categories and project descriptions are summarized starting on page CIP-1.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Ernest Y.W. Lau', with a stylized flourish at the end.

ERNEST Y.W. LAU, P.E.
Manager and Chief Engineer

**BOARD OF WATER SUPPLY
OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET
FISCAL YEAR 2017
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II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

Summary CIP-1

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**Board of Water Supply
Operating Budget
Fiscal Year 2017**

Department Summary

Resources and Expenditures	FY2015 Actual	FY2016 Adopted Budget	FY2017 Proposed Budget
Beginning Balance	61,316,039	56,978,604	95,914,171
Revenues	216,140,859	219,201,719	230,802,000
Lapses/Adjustments	1,928,101	0	5,832,003
Total Resources	279,384,999	276,180,323	332,548,174
Operating Expenditures	149,178,873	186,979,296	210,909,776
Capital Program	55,316,203	61,529,290	74,396,800
Total Expenditures	204,495,076	248,508,586	285,306,576
Ending Balance	74,889,923	27,671,737	47,241,598

Board of Water Supply
Operating Budget Revenues
Fiscal Year 2017

Department Summary

Revenues	FY2015 Actual	FY2016 Adopted Budget	FY2017 Proposed Budget
Metered Revenue - Potable Water	203,782,982	206,577,000	220,000,000
Metered Revenue - Recycled Water (R-1)	3,219,762	3,241,660	3,254,600
Metered Revenue - Recycled Water (RO)	2,363,172	2,326,700	2,351,400
Private Fire Protection	742,712	570,000	700,000
Ocean Cooling Revenues	1,234,190	924,659	931,000
Other Water Revenues	1,026,867	932,700	375,000
Revenues from Water Service Installations	877,546	950,000	600,000
Revenues from Merchandising & Jobbing (M&J)	213,847	200,000	200,000
Interest Income - Operating	2,209,365	3,000,000	2,000,000
Miscellaneous Non-Operating Revenue	192,416	289,000	200,000
Non-Operating Rental Income	277,999	190,000	190,000
Total	216,140,859	219,201,719	230,802,000

**Board of Water Supply
Operating Budget Revenues
Fiscal Year 2017**

Department Summary

Expenditure Classification	FY2015 Actual	FY2016 Adopted Budget	FY2017 Proposed Budget
Personnel Services	34,502,676	46,790,064	47,686,232
Materials, Supplies and Services	43,521,363	54,691,932	61,633,544
Equipment	1,789,251	3,446,500	4,807,000
Debt Services	18,025,634	23,311,000	38,865,000
Departmental Fixed Charges	51,339,949	58,739,800	57,918,000
Operating Expenditures	149,178,873	186,979,296	210,909,776
Transfer to Capital Improvement Program	55,316,203	61,529,290	74,396,800
Total Expenditures	204,495,076	248,508,586	285,306,576

**Board of Water Supply
Operating Budget Expenditures
Fiscal Year 2017**

Department Summary by Division/Office

Expenditure Classification (Personnel Services, Materials, Supplies and Services, and Equipment)	FY2015 Actual	FY2016 Adopted Budget	FY2017 Proposed Budget
Manager's Office	696,315	1,186,474	1,099,371
Executive Support Office	3,358,571	6,540,614	8,439,280
Communications Office	841,342	1,090,124	1,167,100
Ocean Cooling	370,919	647,808	646,600
Human Resources Office	1,543,162	2,280,120	789,090
Water Quality	1,938,945	2,594,852	4,155,220
Customer Care	4,736,933	5,581,926	5,540,600
Land	527,930	751,956	750,880
Water Resources	7,471,640	10,489,124	10,619,501
Field Operations	19,947,995	29,440,606	35,459,250
Capital Projects	7,302,423	7,517,770	5,910,550
Water System Operations	13,763,187	17,584,573	19,378,374
Information Technology	9,385,771	13,647,239	13,970,560
Finance	7,736,297	5,575,309	6,200,400
Total of Divisions and Offices	79,621,429	104,928,496	114,126,776
Debt Services	18,025,634	23,311,000	38,865,000
Departmental Fixed Charges	51,336,805	58,739,800	57,918,000
Total Operating Expenditures	149,178,873	186,979,296	210,909,776

**Board of Water Supply
Expenses by Account Type
Fiscal Year 2017**

Department Summary by Division/Office

Division and Offices	Personnel Services	Materials, Supplies, and Services	Equipment	Debt Service and Dept Fixed Charges	FY2017 Proposed Budget
Manager's Office	763,700	335,671	0	0	1,099,371
Executive Support Office	1,283,440	7,155,840	0	0	8,439,280
Communications Office	776,800	390,300	0	0	1,167,100
Ocean Cooling	220,000	426,600	0	0	646,600
Human Resources Office	630,000	147,090	12,000	0	789,090
Water Quality	1,394,500	2,733,520	27,200	0	4,155,220
Customer Care	4,435,400	1,105,200	0	0	5,540,600
Land	304,100	446,780	0	0	750,880
Water Resources	2,424,492	8,026,009	169,000	0	10,619,501
Field Operations	16,350,500	19,088,750	20,000	0	35,459,250
Capital Projects	5,041,300	869,250	0	0	5,910,550
Water System Operations	7,253,200	8,073,974	4,051,200	0	19,378,374
Information Technology	3,610,700	9,939,860	420,000	0	13,970,560
Finance	3,198,100	2,894,700	107,600	0	6,200,400
Inactive	0	0	0	0	0
Total:	47,686,232	61,633,544	4,807,000	0	114,126,776
Fixed Charges and Debt Service	0	0	0	96,783,000	96,783,000
Grand Total	47,686,232	61,633,544	4,807,000	96,783,000	210,909,776

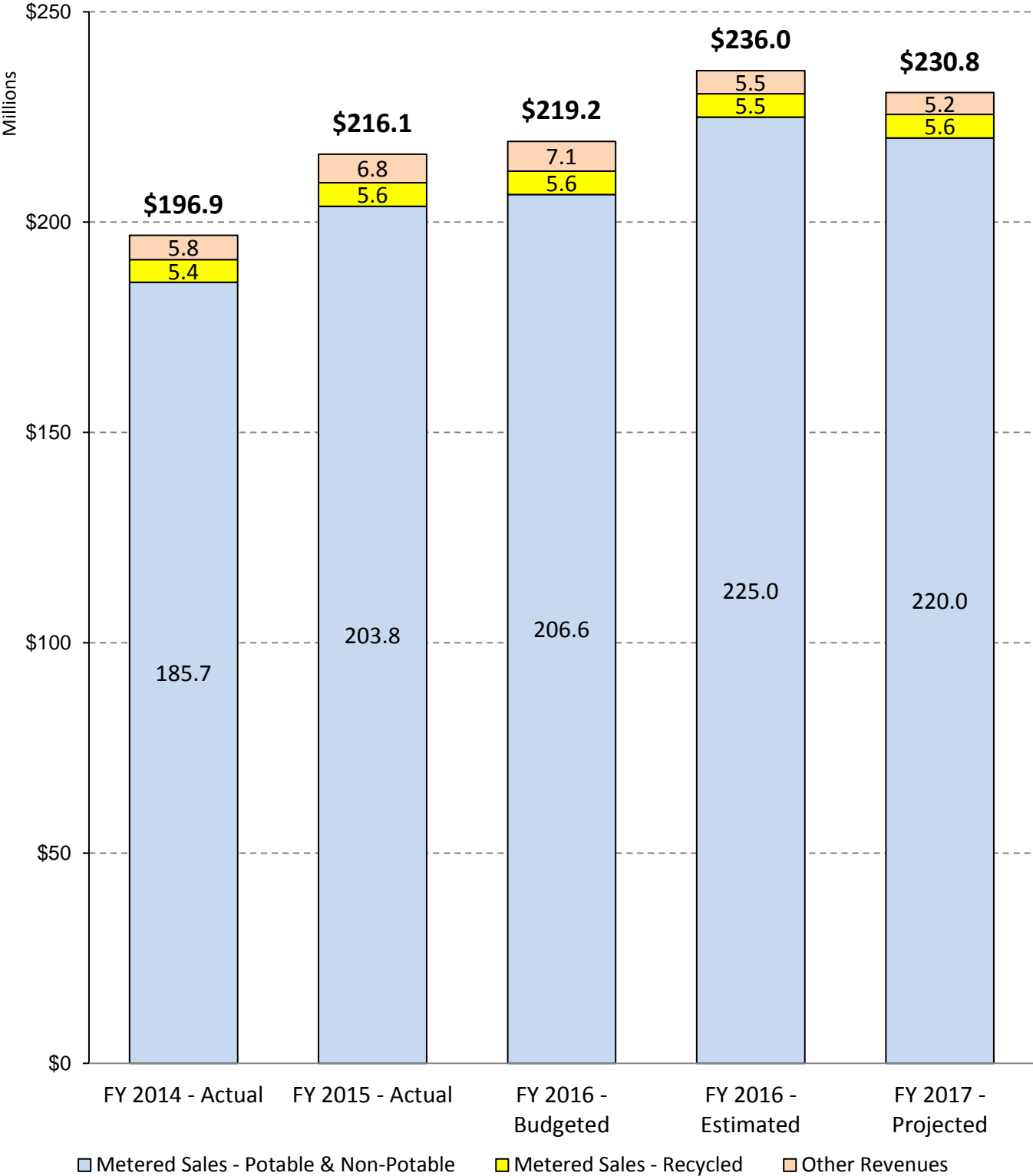
**Board of Water Supply
Operating Budget
Fiscal Year 2017**

DEBT SERVICE

ISSUE	FY 2015 Actual	FY 2016 Budget	FY 2017 Budget
Water System Revenue Bonds			
Series 2006	6,694,438	6,700,000	-
Series 2012A	4,747,575	4,746,000	4,747,000
Series 2014 A & B	3,957,929	6,447,000	13,041,000
Debt Service - Bonds Payable	15,399,942	17,893,000	17,788,000
SRF Loans	2,625,693	5,418,000	5,077,000
SRF Loan retirement	-	-	16,000,000
Debt Service - Notes Payable	2,625,693	5,418,000	21,077,000
	18,025,635	23,311,000	38,865,000

Bond Issues				
Year Issued		Amount	Year Expires	Years
2006	\$	213,805,000	2036	30
2012A	\$	85,195,000	2033	21
2014A	\$	101,655,000	2036	22
2014B	\$	43,330,000	2031	17

**BOARD OF WATER SUPPLY
OPERATING FUND REVENUES
FISCAL YEAR 2017**



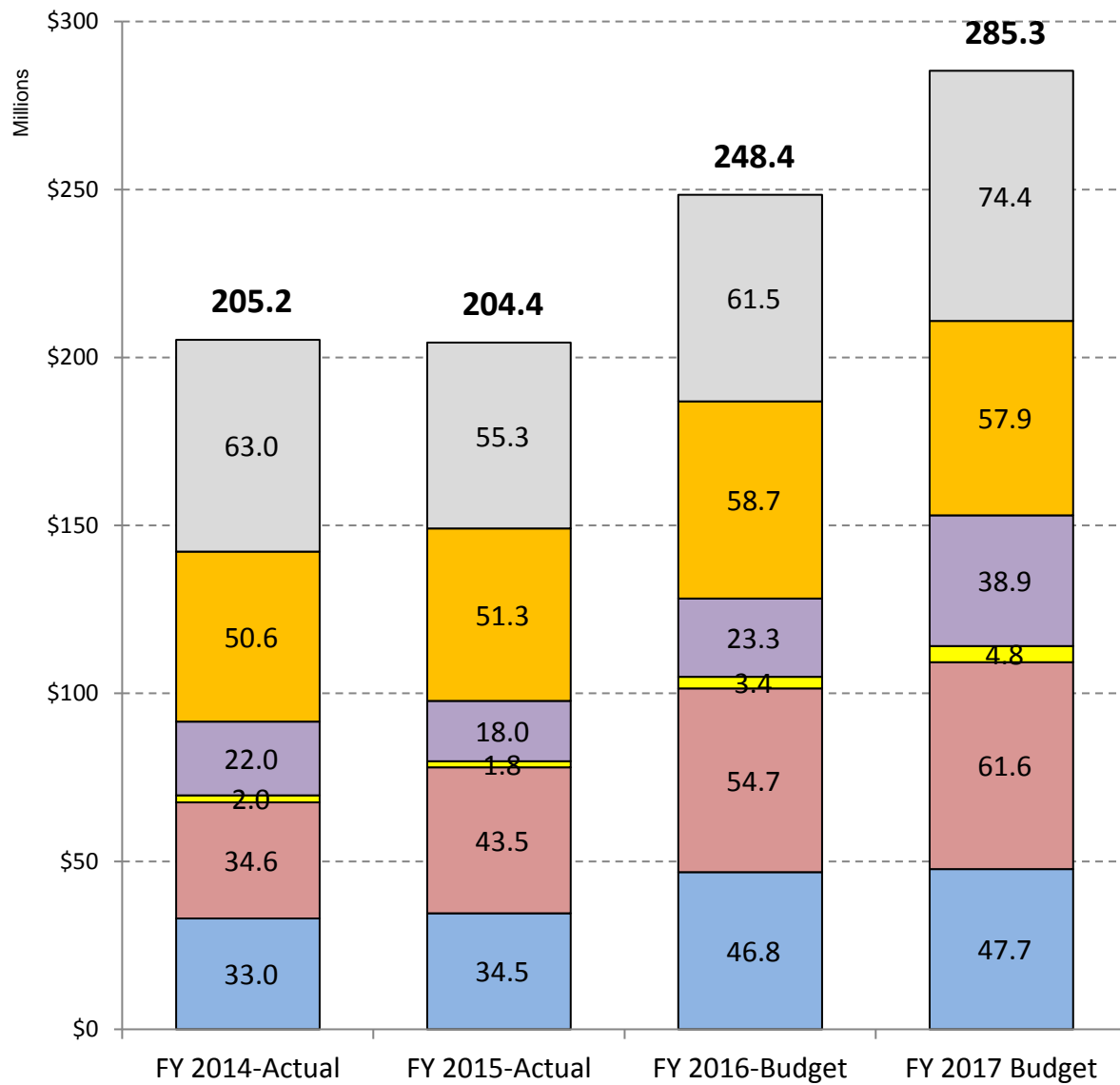
**BOARD OF WATER SUPPLY
TOTAL RESOURCES VS. TOTAL EXPENDITURES
FISCAL YEAR 2017**



- Revenues
- Lapses / Adjustments
- Fund Balance - Unreserved
- Fund Balance - Working Capital Reserve
- Fund Balance - Required for Debt Service Coverage
- Expenditures

Fiscal Year 2017	
Fund Balance 7/1/2016	
Debt Service Coverage	\$28,500,000
Working Capital Reserve	26,000,000
Unreserved	41,414,171
Revenues	230,802,000
Lapses/Adjustments	5,832,003
Total Resources	\$332,548,174
Total Expenditures	<u>-285,306,576</u>
Fund Balance 6/30/2017	\$ 47,241,598

**BOARD OF WATER SUPPLY
OPERATING BUDGET EXPENDITURES (INCLUDING CIP)
FISCAL YEAR 2017**



- Personnel Srv.
- MS&S
- Equipment
- Debt Service
- Fixed Charges
- CIP

Fiscal Year 2017	
CIP	\$74,396,800
Fixed Charges	57,918,000
Debt Service	38,865,000
Equipment	4,807,000
MS&S	61,633,544
Personnel Svcs.	47,686,232
Total	\$285,306,576

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**Board of Water Supply
Operating Budget
Fiscal Year 2017**

OMCE - Manager's Office

Section's Activity

The Manager and Chief Engineer is the executive head of the Board of Water Supply who administers the affairs of the department in accordance with policies and regulations adopted by the Board and the provisions of the City Charter.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	452,516	728,599	742,484	763,700	21,216
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	452,516	728,599	742,484	763,700	21,216
M 4160 - Meals; Mileage & Uniform Allowances	0	0	0	0	0
4250 - Other Contractual Services	3,081	4,260	3,540	5,700	2,160
4255 - Other Services	6,401	44,400	42,836	56,773	13,937
4260 - Advertising & Publication of Notices	0	500	500	500	0
4265 - Printing	1,248	1,000	1,000	1,000	0
4270 - Professional Services	44,324	34,093	155,000	35,000	(120,000)
4430 - Miscellaneous Supplies	4,700	5,000	5,000	5,000	0
4460 - Other Materials & Supplies	830	925	13,400	13,000	(400)
4480 - Postage	49	0	0	0	0
4500 - Education and Training	1,974	1,000	1,000	0	(1,000)
4720 - Conference Travel & Expenses	19,688	33,321	45,781	36,748	(9,033)
4815 - Repair & Maint - Equipment	899	3,000	3,000	3,000	0
4910 - Miscellaneous Fees & Registration	160,604	162,412	170,433	178,950	8,517
8050 - Equipment (under \$5,000)	0	0	2,500	0	(2,500)
Materials, Supplies and Services	243,798	289,911	443,990	335,671	(108,319)
Total Manager's Office	696,315	1,018,510	1,186,474	1,099,371	(87,103)

Notes

Office of the Manager and Chief Engineer

**Board of Water Supply
Operating Budget
Fiscal Year 2017**

ESO - Executive Support Office

Division/Office's Activity

The Executive Support Office is responsible for the development of the annual departmental operating budget ; ensures that procurement of all goods and services and construction are in compliance with Hawaii Revised Statutes (HRS)103D; administers the department's safety, risk management, and security programs.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	732,144	930,210	1,061,087	1,255,900	194,813
4120 - Overtime	14,098	24,000	4,068	27,540	23,472
4130 - Miscellaneous (Payroll)	61	0	0	0	0
Personnel Services	746,303	954,210	1,065,155	1,283,440	218,285
4160 - Meals; Mileage & Uniform Allowances	1,729	2,400	2,700	5,540	2,840
4250 - Other Contractual Services	801,333	888,720	1,207,320	2,204,000	996,680
4260 - Advertising & Publication of Notices	259	0	0	0	0
4265 - Printing	2,250	4,000	3,500	2,500	(1,000)
4270 - Professional Services	330,000	650,000	1,700,000	1,000,000	(700,000)
4275 - Medical & Surgical Services	0	0	0	1,000,000	1,000,000
4430 - Miscellaneous Supplies	9,542	9,500	12,110	10,489	(1,621)
4440 - Motor Vehicle Parts & Accessories	80	0	0	0	0
4460 - Other Materials & Supplies	9,785	16,950	9,704	26,386	16,682
4480 - Postage	0	400	400	200	(200)
4500 - Education and Training	3,084	12,000	12,000	6,500	(5,500)
4720 - Conference Travel & Expenses	4,878	46,000	18,500	7,000	(11,500)
4805 - Repair & Maint - Structures	2,380	75,000	100,000	100,000	0
4815 - Repair & Maint - Equipment	40,958	52,000	75,000	75,000	0
4910 - Miscellaneous Fees & Registration	3,650	4,000	5,000	3,160	(1,840)
4915 - Miscellaneous Financial Expenses	13,860	0	0	1,000	1,000
5700 - Insurance	1,039,503	1,200,000	1,200,000	1,200,000	0
6340 - Workers Compensation Benefits	0	0	0	500,000	500,000
6350 - Claims for Pers Injuries & Prop Damage	339,055	800,000	800,000	1,000,000	200,000
8050 - Equipment (under \$5,000)	9,921	25,675	33,825	14,065	(19,760)
Materials, Supplies and Services	2,612,268	3,786,645	5,180,059	7,155,840	1,975,781
1270 - General Plant & Equip (over \$5,000)	0	0	295,400	0	(295,400)
Equipment	0	0	295,400	0	(295,400)
Total ESO - Executive Support Office	3,358,571	4,740,855	6,540,614	8,439,280	1,898,666

Notes

**Board of Water Supply
Operating Budget
Fiscal Year 2017**

ESO - Executive Support Office

5105 - Executive Support Office

Section's Activity

The Executive Support Office (ESO) administers and manages programs in areas such as budget, position management, reorganization, procurement, security, risk management and safety.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	110,509	150,444	146,957	175,900	28,943
4120 - Overtime	0	0	0	500	500
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	110,509	150,444	146,957	176,400	29,443
4160 - Meals; Mileage & Uniform Allowances	10	0	0	0	0
4250 - Other Contractual Services	6,462	50,720	300,000	0	(300,000)
4430 - Miscellaneous Supplies	3,633	6,000	4,500	4,440	(60)
4460 - Other Materials & Supplies	146	0	0	0	0
4500 - Education and Training	1,881	1,000	1,000	1,500	500
4720 - Conference Travel & Expenses	0	12,000	8,000	0	(8,000)
4910 - Miscellaneous Fees & Registration	3,650	1,000	1,000	1,000	0
4915 - Miscellaneous Financial Expenses	13,860	0	0	1,000	1,000
8050 - Equipment (under \$5,000)	491	5,600	0	2,500	2,500
Materials, Supplies and Services	30,133	76,320	314,500	10,440	(304,060)
E 1270 - General Plant & Equip (over \$5,000)	0	0	295,400	0	(295,400)
Equipment	0	0	295,400	0	(295,400)
Total Executive Support Office	140,643	226,764	756,857	186,840	(570,017)

Notes

Other Contractual Services decreased due to a one-time expense in FY16 for the implementation of a budget system.

**Board of Water Supply
Operating Budget
Fiscal Year 2017**

ESO - Executive Support Office

5110 - Risk Management

Section's Activity

The Risk Management section provides risk management services that ensure the business and operational exposures of the BWS are covered through either insurance or self-retention policies. Oversees the department's workers' compensation program. Additionally, the section ensures the safety and well-being of our employees through a comprehensive safety program and return-to-work program.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	123,885	214,950	242,700	321,300	78,600
4120 - Overtime	3,565	5,500	0	3,500	3,500
Personnel Services	127,450	220,450	242,700	324,800	82,100
M 4160 - Meals; Mileage & Uniform Allowances	1,209	1,200	1,200	1,200	0
4250 - Other Contractual Services	1,037	0	0	0	0
4270 - Professional Services	330,000	650,000	1,700,000	1,000,000	(700,000)
4275 - Medical & Surgical Services	0	0	0	1,000,000	1,000,000
4430 - Miscellaneous Supplies	4,210	0	4,000	2,000	(2,000)
4440 - Motor Vehicle Parts & Accessories	80	0	0	0	0
4460 - Other Materials & Supplies	4,463	0	4,000	4,000	0
4500 - Education and Training	1,012	4,000	4,000	0	(4,000)
4720 - Conference Travel & Expenses	4,030	12,000	8,000	4,000	(4,000)
4815 - Repair & Maint - Equipment	0	2,000	0	0	0
4910 - Miscellaneous Fees & Registration	0	2,200	4,000	2,000	(2,000)
5700 - Insurance	1,039,503	1,200,000	1,200,000	1,200,000	0
6340 - Workers Compensation Benefits	0	0	0	500,000	500,000
6350 - Claims for Pers Injuries & Prop Damage	339,055	800,000	800,000	1,000,000	200,000
8050 - Equipment (under \$5,000)	533	1,500	15,500	2,500	(13,000)
Materials, Supplies and Services	1,725,132	2,672,900	3,740,700	4,715,700	975,000
Total Risk Management	1,852,583	2,893,350	3,983,400	5,040,500	1,057,100

Notes

Increases to Medical & Surgical Services, Workers Compensation Benefits and Claims for Personal Injuries & Property Damage reflect the transfer of the workers compensation responsibilities from Human Resources to Risk Management.

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ESO - Executive Support Office

5115 - Procurement Section

Section's Activity

The Procurement section assists all BWS divisions and offices with the procurement of construction, goods, services, and professional services and to ensure that such procurements are conducted in accordance with Hawaii Revised Statutes Chapter 103D and the Hawaii Administrative Rules.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	270,946	253,956	265,152	266,500	1,348
4120 - Overtime	12	15,000	0	0	0
Personnel Services	270,958	268,956	265,152	266,500	1,348
M 4160 - Meals; Mileage & Uniform Allowances	0	200	0	0	0
4430 - Miscellaneous Supplies	774	2,000	2,000	2,000	0
4460 - Other Materials & Supplies	0	0	0	0	0
4480 - Postage	0	400	400	200	(200)
4500 - Education and Training	0	4,000	4,000	2,000	(2,000)
4720 - Conference Travel & Expenses	0	10,000	0	0	0
8050 - Equipment (under \$5,000)	1,334	1,000	0	0	0
Materials, Supplies and Services	2,108	17,600	6,400	4,200	(2,200)
Total Procurement Section	273,066	286,556	271,552	270,700	(852)

Notes

No significant changes to the budget.

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ESO - Executive Support Office

5120 - Security Office

Section's Activity

Security section develops, coordinates, and maintains security measures and systems to protect BWS employees and facilities. It conducts vulnerability assessments, installs detection systems, and develops emergency response plans. It oversees the development and installation of security enhancements and equipment for BWS facilities. It monitors facilities from the central security center through the use of security guards, cameras, sensor alarms, and ID cards. The unit coordinates protective activities with external agencies such as the Honolulu Police and Fire Departments, State Civil Defense and Honolulu Department of Emergency Services, and other Homeland Security organizations.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	150,700	119,388	186,774	295,300	108,526
4120 - Overtime	7,596	3,500	4,068	21,040	16,972
4130 - Miscellaneous (Payroll)	61	0	0	0	0
Personnel Services	158,357	122,888	190,842	316,340	125,498
4160 - Meals; Mileage & Uniform Allowances	450	1,000	1,500	4,340	2,840
4250 - Other Contractual Services	793,429	838,000	907,320	2,204,000	1,296,680
4430 - Miscellaneous Supplies	568	1,500	1,610	2,049	439
4460 - Other Materials & Supplies	5,082	16,950	5,704	22,386	16,682
4500 - Education and Training	191	3,000	3,000	3,000	0
4720 - Conference Travel & Expenses	848	6,000	2,000	3,000	1,000
4805 - Repair & Maint - Structures	2,380	75,000	100,000	100,000	0
4815 - Repair & Maint - Equipment	40,958	50,000	75,000	75,000	0
8050 - Equipment (under \$5,000)	7,563	13,575	15,825	6,765	(9,060)
Materials, Supplies and Services	851,468	1,005,025	1,111,959	2,420,540	1,308,581
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Security Office	1,009,825	1,127,913	1,302,801	2,736,880	1,434,079

Notes

Other Contractual Services includes funding for security guard services at BWS facilities and for the electronic and camera monitoring system maintenance contract.

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ESO - Executive Support Office

5125 - Management and Budget

Section's Activity

The Management and Budget section is responsible for the development and execution of the annual operating budget. Develops water and other revenue projections and conducts various revenue, budgetary, financial and statistical studies of the department.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	76,104	191,472	219,504	196,900	(22,604)
4120 - Overtime	2,925	0	0	2,500	2,500
Personnel Services	79,029	191,472	219,504	199,400	(20,104)
M 4160 - Meals; Mileage & Uniform Allowances	60	0	0	0	0
4250 - Other Contractual Services	405	0	0	0	0
4260 - Advertising & Publication of Notices	259	0	0	0	0
4265 - Printing	2,250	4,000	3,500	2,500	(1,000)
4430 - Miscellaneous Supplies	357	0	0	0	0
4460 - Other Materials & Supplies	94	0	0	0	0
4720 - Conference Travel & Expenses	0	6,000	500	0	(500)
4910 - Miscellaneous Fees & Registration	0	800	0	160	160
8050 - Equipment (under \$5,000)	0	4,000	2,500	2,300	(200)
Materials, Supplies and Services	3,425	14,800	6,500	4,960	(1,540)
Total Management and Budget	82,454	206,272	226,004	204,360	(21,644)

Notes

No significant changes to the budget.

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COMM - Communications Office

Section's Activity

The Communications Office develops departmental policies and programs for strategic internal and external communications, including: community relations, water education and public information, including news releases, speeches, bulletins, advertisements, public service announcements, brochures, annual and special reports; notifies news media of water emergencies; coordinates and maintains effective media communications programs for the department; receives, processes and resolves complaints; develops and produces the employee newsletter; conducts orientations and manages the department's water education and facility tour program; coordinates community affairs programs and special events; and provides executive level strategic communications counsel and assistance to the Board, Manager, and departmental units in public affairs matters.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	563,295	524,568	653,424	698,400	44,976
4120 - Overtime	10,951	50,000	28,600	27,600	(1,000)
4130 - Miscellaneous (Payroll)	4,981	3,250	33,700	50,800	17,100
Personnel Services	579,227	577,818	715,724	776,800	61,076
4160 - Meals; Mileage & Uniform Allowances	228	1,000	600	400	(200)
4250 - Other Contractual Services	177,563	175,690	247,400	257,200	9,800
4255 - Other Services	0	2,000	0	0	0
4260 - Advertising & Publication of Notices	0	13,000	3,000	14,000	11,000
4265 - Printing	46,613	66,500	66,050	53,000	(13,050)
4430 - Miscellaneous Supplies	4,367	3,100	3,100	3,200	100
4460 - Other Materials & Supplies	30,663	46,175	35,900	29,900	(6,000)
4480 - Postage	261	2,500	500	15,400	14,900
4500 - Education and Training	972	5,000	9,500	2,500	(7,000)
4720 - Conference Travel & Expenses	1,026	200	200	7,000	6,800
4815 - Repair & Maint - Equipment	0	750	750	700	(50)
4910 - Miscellaneous Fees & Registration	421	360	400	1,000	600
8050 - Equipment (under \$5,000)	0	0	7,000	6,000	(1,000)
Materials, Supplies and Services	262,114	316,275	374,400	390,300	15,900
Total Communications Office	841,342	894,093	1,090,124	1,167,100	76,976

Notes

Other Contractual Services increased due to the need for graphic services for various publications. The increase to Advertising & Publication of Notices addresses potential water quality violation notices or future Red Hill fuel leak concerns. Printing costs decreased because two often-used publications were reprinted in FY 2016. Postage increased for direct mailings to customers, if needed. Conference Travel and Expenses increase will allow staff to attend national and local water industry conferences.

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OC - Ocean Cooling

Section's Activity

The Ocean Cooling Program is responsible under a 20-year contract, for the operation and maintenance of the seawater cooling facility at the University of Hawaii John A. Burns School of Medicine in Kakaako. The use of cold seawater for building cooling conserves potable water and energy that would otherwise be used in conventional mechanical cooling systems.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	220,008	220,008	220,008	220,000	(8)
Personnel Services	220,008	220,008	220,008	220,000	(8)
4250 - Other Contractual Services	1,060	0	0	0	0
4430 - Miscellaneous Supplies	286	800	800	800	0
4460 - Other Materials & Supplies	0	0	0	30,000	30,000
4470 - Parts and Accessories	0	0	0	5,000	5,000
4815 - Repair & Maint - Equipment	149,566	427,000	427,000	390,800	(36,200)
Materials, Supplies and Services	150,911	427,800	427,800	426,600	(1,200)
Total Ocean Cooling	370,919	647,808	647,808	646,600	(1,208)

Notes

Ocean Cooling

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HRO - Human Resources Office

Section's Activity

The BWS Human Resources Office administers and manages BWS human resources programs in areas including recruitment, examination, and selection, employee benefits, transactions and personnel record maintenance, labor relations, performance evaluation, classification and compensation, and staff development. In addition, BWS HRO provides staff support for position management, workers compensation administration, and review of reorganizations.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	454,738	523,314	584,820	588,500	3,680
4120 - Overtime	458	4,643	3,000	3,000	0
4130 - Miscellaneous (Payroll)	0	1,920	1,400	38,500	37,100
Personnel Services	455,196	529,877	589,220	630,000	40,780
4160 - Meals; Mileage & Uniform Allowances	10	270	200	200	0
4250 - Other Contractual Services	14,061	250,000	63,400	40,000	(23,400)
4260 - Advertising & Publication of Notices	3,153	27,600	2,100	5,000	2,900
4270 - Professional Services	119,028	0	123,800	0	(123,800)
4275 - Medical & Surgical Services	593,738	550,000	604,800	0	(604,800)
4430 - Miscellaneous Supplies	1,361	2,100	2,400	2,400	0
4460 - Other Materials & Supplies	4,029	5,500	5,000	5,500	500
4480 - Postage	52	500	0	100	100
4500 - Education and Training	65,391	55,000	50,300	83,200	32,900
4720 - Conference Travel & Expenses	0	0	9,500	3,890	(5,610)
4815 - Repair & Maint - Equipment	562	1,800	1,000	1,500	500
4910 - Miscellaneous Fees & Registration	111	0	400	300	(100)
6340 - Workers Compensation Benefits	286,470	719,600	828,000	0	(828,000)
8050 - Equipment (under \$5,000)	0	0	0	5,000	5,000
Materials, Supplies and Services	1,087,966	1,612,370	1,690,900	147,090	(1,543,810)
1270 - General Plant & Equip (over \$5,000)	0	0	0	12,000	12,000
Equipment	0	0	0	12,000	12,000
Total Human Resources Office	1,543,162	2,142,247	2,280,120	789,090	(1,491,030)

Notes

The reduction to Other Contractual Services is from the Employee Assistance Program previously paid by BWS and now covered by the City's Dept. of Human Resources. Reductions to Professional Services, Medical & Surgical Services and Workers Compensation Benefits reflects the transfer to ESO/Risk Management as the TPA contact for claims. The increase in Education and Training is to implement management and supervisory training programs for current and potential managers and supervisors. These programs are intended for preparing employees for future management and supervisory positions.

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WQ - Water Quality

Division/Office's Activity

The Water Quality Division Insure the department's compliance with all environmental laws, rules and regulations. Oversees environmental rules (SDWA, CWA and NPDES) compliance, drinking water testing and laboratory operations, manages special water quality.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	846,490	1,138,310	1,352,522	1,304,500	(48,022)
4120 - Overtime	93,496	87,000	85,200	90,000	4,800
4130 - Miscellaneous (Payroll)	3,234	2,400	0	0	0
Personnel Services	943,220	1,227,710	1,437,722	1,394,500	(43,222)
4160 - Meals; Mileage & Uniform Allowances	5,459	6,000	6,000	5,600	(400)
4240 - Manhole Raising	0	0	0	0	0
4250 - Other Contractual Services	717,859	776,940	951,730	1,079,900	128,170
4251 - Software Licenses and Maintenance	0	0	0	85,000	85,000
4270 - Professional Services	0	0	0	1,406,500	1,406,500
4410 - Gasoline	20	0	0	0	0
4430 - Miscellaneous Supplies	804	500	500	820	320
4460 - Other Materials & Supplies	71,638	60,300	60,000	79,300	19,300
4500 - Education and Training	3,047	0	9,200	22,300	13,100
4720 - Conference Travel & Expenses	18,631	14,200	21,300	22,700	1,400
4815 - Repair & Maint - Equipment	2,357	6,500	9,500	9,500	0
4910 - Miscellaneous Fees & Registration	5,999	9,000	9,400	10,100	700
8050 - Equipment (under \$5,000)	3,267	9,200	8,400	11,800	3,400
Materials, Supplies and Services	829,081	882,640	1,076,030	2,733,520	1,657,490
E 1270 - General Plant & Equip (over \$5,000)	166,644	135,000	81,100	27,200	(53,900)
Equipment	166,644	135,000	81,100	27,200	(53,900)
Total WQ - Water Quality	1,938,945	2,245,350	2,594,852	4,155,220	1,560,368

Notes

Water Quality Division

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WQ - Water Quality

5250 - Water Quality Administration

Section's Activity

Ensure the department's compliance with all environmental laws, rules and regulations.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	159,071	171,410	400,790	367,900	(32,890)
4120 - Overtime	187	0	0	0	0
4130 - Miscellaneous (Payroll)	200	0	0	0	0
Personnel Services	159,458	171,410	400,790	367,900	(32,890)
4250 - Other Contractual Services	47,920	100,500	185,500	290,500	105,000
4270 - Professional Services	0	0	0	1,400,000	1,400,000
4430 - Miscellaneous Supplies	615	500	500	500	0
4460 - Other Materials & Supplies	381	300	300	300	0
4500 - Education and Training	0	0	200	20,600	20,400
4720 - Conference Travel & Expenses	10,589	6,800	9,900	13,900	4,000
4815 - Repair & Maint - Equipment	178	500	500	500	0
4910 - Miscellaneous Fees & Registration	20	1,500	1,500	1,500	0
Materials, Supplies and Services	59,702	110,100	198,400	1,727,800	1,529,400
Total Water Quality Administration	219,160	281,510	599,190	2,095,700	1,496,510

Notes

Water Quality Administration plans for Professional Services of \$1,400,000 over the previous year for expanding the hydrogeological study of the Waimalu and Moanalua aquifers under the Red Hill groundwater project and higher than anticipated monitor well permitting, access, design, and installation costs. This amount will also continue contracting specialized consultants to assist with discussions with the Navy and regulatory agencies and the Red Hill Administrative Order on Consent. It will also fund environmental assessment studies of various BWS pipeline easements for hazardous chemicals and wastes required under Hawaii Department of Health regulations.

The division is also requesting an additional \$105,000 in Other Contractual Services for continued work to examine the health effects of low level petroleum contaminants in groundwater and develop a source water protection program.

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WQ - Water Quality

5251 - Chemical Laboratory

Section's Activity

The Chemical Laboratory performs required water quality testing and monitoring to conform to federal and state regulations; monitors proposed rules for departmental impact. Supports the department's operational testing requirements; conducts research on analytical techniques and testing methodologies.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	348,848	528,372	555,648	527,400	(28,248)
4120 - Overtime	30,436	23,490	25,200	30,000	4,800
4130 - Miscellaneous (Payroll)	3,034	1,200	0	0	0
Personnel Services	382,318	553,062	580,848	557,400	(23,448)
4160 - Meals; Mileage & Uniform Allowances	991	3,600	3,600	3,600	0
4240 - Manhole Raising	0	0	0	0	0
4250 - Other Contractual Services	538,215	535,100	624,830	648,200	23,370
4270 - Professional Services	0	0	0	6,500	6,500
4410 - Gasoline	20	0	0	0	0
4430 - Miscellaneous Supplies	83	0	0	320	320
4460 - Other Materials & Supplies	17,524	6,000	5,700	25,000	19,300
4500 - Education and Training	3,047	0	8,000	500	(7,500)
4720 - Conference Travel & Expenses	3,418	1,300	0	1,800	1,800
4815 - Repair & Maint - Equipment	2,040	2,000	5,000	5,000	0
4910 - Miscellaneous Fees & Registration	2,307	2,500	2,900	3,800	900
8050 - Equipment (under \$5,000)	0	0	3,000	8,800	5,800
Materials, Supplies and Services	567,644	550,500	653,030	703,520	50,490
1270 - General Plant & Equip (over \$5,000)	156,646	125,000	75,000	11,200	(63,800)
Equipment	156,646	125,000	75,000	11,200	(63,800)
Total Chemical Laboratory	1,106,608	1,228,562	1,308,878	1,272,120	(36,758)

Notes

Chemical Laboratory

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WQ - Water Quality

5252 - Microbiological Laboratory

Section's Activity

The Microbiological Laboratory performs required bacteriological water quality testing and monitoring to conform to federal and state regulations; monitors proposed rules for departmental impact. Supports the department's operational testing requirements; conducts research on analytical techniques and testing methodologies.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	338,571	438,528	396,084	409,200	13,116
4120 - Overtime	62,873	63,510	60,000	60,000	0
4130 - Miscellaneous (Payroll)	0	1,200	0	0	0
Personnel Services	401,444	503,238	456,084	469,200	13,116
4160 - Meals; Mileage & Uniform Allowances	4,468	2,400	2,400	2,000	(400)
4250 - Other Contractual Services	131,724	141,340	141,400	141,200	(200)
4251 - Software Licenses and Maintenance	0	0	0	85,000	85,000
4430 - Miscellaneous Supplies	106	0	0	0	0
4460 - Other Materials & Supplies	53,734	54,000	54,000	54,000	0
4500 - Education and Training	0	0	1,000	1,200	200
4720 - Conference Travel & Expenses	4,625	6,100	11,400	7,000	(4,400)
4815 - Repair & Maint - Equipment	139	4,000	4,000	4,000	0
4910 - Miscellaneous Fees & Registration	3,673	5,000	5,000	4,800	(200)
8050 - Equipment (under \$5,000)	3,267	9,200	5,400	3,000	(2,400)
Materials, Supplies and Services	201,735	222,040	224,600	302,200	77,600
1270 - General Plant & Equip (over \$5,000)	9,998	10,000	6,100	16,000	9,900
Equipment	9,998	10,000	6,100	16,000	9,900
Total Microbiological Laboratory	613,177	735,278	686,784	787,400	100,616

Notes

Microbiological Laboratory

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CC - Customer Care

Division/Office's Activity

The Customer Care Division handles contacts with customers; prepares applications and contracts for water service; designs service connections; conducts the department's billing operations which includes meter reading and pre-auditing of consumer accounts; maintains accounts receivable; investigates consumers' service problems; and collects water and sewer bills. It is responsible for maintaining and repairing meters; reviewing development construction plans, specifications, and reports for conformity with BWS standards; reviewing requests concerning the availability of water; and administering rules and regulations on cross-connection control and environmental requirements.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	3,999,556	3,849,090	4,041,655	4,098,400	56,745
4120 - Overtime	192,441	316,200	262,896	243,000	(19,896)
4130 - Miscellaneous (Payroll)	26,891	100,899	100,896	94,000	(6,896)
Personnel Services	4,218,889	4,266,189	4,405,447	4,435,400	29,953
4160 - Meals; Mileage & Uniform Allowances	14,080	22,700	15,825	21,100	5,275
4220 - Collection Fees	418,774	660,000	468,000	701,000	233,000
4250 - Other Contractual Services	32,205	50,800	347,300	98,400	(248,900)
4267 - Printed forms	0	1,700	1,500	1,500	0
4410 - Gasoline	0	0	0	0	0
4420 - Hauling Charges	(36,423)	0	0	0	0
4430 - Miscellaneous Supplies	12,322	5,650	6,750	12,000	5,250
4440 - Motor Vehicle Parts & Accessories	0	0	0	0	0
4460 - Other Materials & Supplies	38,874	44,200	77,348	45,700	(31,648)
4500 - Education and Training	4,363	4,200	34,800	41,400	6,600
4720 - Conference Travel & Expenses	7,629	11,700	9,560	9,400	(160)
4815 - Repair & Maint - Equipment	7,423	32,400	145,009	85,700	(59,309)
4910 - Miscellaneous Fees & Registration	1,479	1,600	1,900	6,300	4,400
8050 - Equipment (under \$5,000)	17,318	40,500	48,487	82,700	34,213
Materials, Supplies and Services	518,044	875,450	1,156,479	1,105,200	(51,279)
1270 - General Plant & Equip (over \$5,000)	0	50,000	20,000	0	(20,000)
Equipment	0	50,000	20,000	0	(20,000)
Total CC - Customer Care	4,736,933	5,191,639	5,581,926	5,540,600	(41,326)

Notes

Customer Care Division

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CC - Customer Care

5300 - Customer Care Administration

Section's Activity

Administers the affairs of the Customer Care Administration Section; provides clerical support to sections.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	245,864	214,416	353,424	324,500	(28,924)
4120 - Overtime	0	0	0	10,000	10,000
4130 - Miscellaneous (Payroll)	0	17,000	0	0	0
Personnel Services	245,864	231,416	353,424	334,500	(18,924)
4250 - Other Contractual Services	1,066	30,000	260,200	70,000	(190,200)
4430 - Miscellaneous Supplies	5,027	4,000	5,000	12,000	7,000
4460 - Other Materials & Supplies	104	12,000	6,000	0	(6,000)
4500 - Education and Training	3,963	4,200	34,800	41,400	6,600
4720 - Conference Travel & Expenses	7,623	11,700	9,560	9,400	(160)
4815 - Repair & Maint - Equipment	0	1,200	1,200	0	(1,200)
4910 - Miscellaneous Fees & Registration	285	0	300	4,500	4,200
8050 - Equipment (under \$5,000)	0	1,000	1,000	28,800	27,800
Materials, Supplies and Services	18,068	64,100	318,060	166,100	(151,960)
Total Customer Care Administration	263,933	295,516	671,484	500,600	(170,884)

Notes

Other Contractual Services budgeted for customer service and quality assurance consulting services in FY 2016 is not included in the FY 2017 budget. Customer Care elected to hire two PSC Program Analysts instead of a consultant and proposes to do the same again this year.

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CC - Customer Care

5310 - Collection and Credit

Section's Activity

The Collection and Credit Section formulates and establishes collection and credit practices and procedures; maintains the cashiering service for payment of water and sewer bills; processes payments made by mail and through charge cards, E-bill, automatic bill payment, and satellite City Halls; maintains records of delinquent and inactive accounts; performs all field collection and customer service work required to maintain an effective billing and collection program.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	625,470	664,848	741,792	825,700	83,908
4120 - Overtime	2,274	6,000	2,976	5,000	2,024
4130 - Miscellaneous (Payroll)	7,457	19,200	4,896	20,800	15,904
Personnel Services	635,200	690,048	749,664	851,500	101,836
4160 - Meals; Mileage & Uniform Allowances	750	2,100	0	2,050	2,050
4220 - Collection Fees	418,774	660,000	468,000	701,000	233,000
4250 - Other Contractual Services	7,753	4,800	68,100	8,400	(59,700)
4267 - Printed forms	0	1,500	1,500	1,500	0
4410 - Gasoline	0	0	0	0	0
4420 - Hauling Charges	(36,423)	0	0	0	0
4430 - Miscellaneous Supplies	1,104	500	500	0	(500)
4460 - Other Materials & Supplies	96	1,000	800	3,000	2,200
4815 - Repair & Maint - Equipment	246	2,000	2,000	3,000	1,000
8050 - Equipment (under \$5,000)	0	1,000	1,500	2,400	900
Materials, Supplies and Services	392,300	672,900	542,400	721,350	178,950
Total Collection and Credit	1,027,500	1,362,948	1,292,064	1,572,850	280,786

Notes

Collection fees are \$233,000 (49.7%) more than FY 2017 due to the continued increase in online credit card payment processing fees (\$108,000), the procurement of a new collection agency contract (\$75,000) and an increase in the cost of lockbox services (\$46,000).

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CC - Customer Care

5320 - Service Engineering

Section's Activity

The Service Engineering Section receives and processes applications for new water service and for relocating or altering water service facilities; renews and approves building permit applications for various types of developments; designs service connections, reviews development and construction plans for water service facilities, maintains maps and records of water distribution and service facilities; performs drafting work for the division; conducts special water service studies; administers water system facilities charges.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	370,496	430,969	463,891	447,100	(16,791)
4120 - Overtime	3,459	1,800	6,000	6,000	0
4130 - Miscellaneous (Payroll)	4,339	0	45,000	10,900	(34,100)
Personnel Services	378,294	432,769	514,891	464,000	(50,891)
4160 - Meals; Mileage & Uniform Allowances	1,940	400	325	800	475
4250 - Other Contractual Services	356	0	1,000	0	(1,000)
4430 - Miscellaneous Supplies	486	0	0	0	0
4460 - Other Materials & Supplies	108	1,200	1,200	1,200	0
4815 - Repair & Maint - Equipment	819	1,000	0	0	0
8050 - Equipment (under \$5,000)	0	400	400	0	(400)
Materials, Supplies and Services	3,710	3,000	2,925	2,000	(925)
Total Service Engineering	382,004	435,769	517,816	466,000	(51,816)

Notes

Service Engineering Section

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CC - Customer Care

5325 - Cross-Connection Control

Section's Activity

The Cross-Connection Control Section manages and implements the Department's Cross-Connection Control Program; reviews construction plans for cross-connection control requirements; conducts agricultural rate inspections; inspects backflow prevention assembly installations; administers the annual backflow prevention assembly testing program; conducts the backflow prevention assembly tester training course; tests and maintains the Department's backflow prevention assemblies; performs public outreach/education on cross-connection control and backflow prevention.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	228,446	345,948	334,512	299,600	(34,912)
4120 - Overtime	708	2,400	3,600	10,000	6,400
4130 - Miscellaneous (Payroll)	0	0	0	200	200
Personnel Services	229,155	348,348	338,112	309,800	(28,312)
4160 - Meals; Mileage & Uniform Allowances	92	500	500	1,250	750
4250 - Other Contractual Services	1,885	0	0	0	0
4430 - Miscellaneous Supplies	5,485	450	450	0	(450)
4460 - Other Materials & Supplies	33,682	25,000	65,348	36,700	(28,648)
4500 - Education and Training	400	0	0	0	0
4815 - Repair & Maint - Equipment	365	15,000	133,809	76,700	(57,109)
4910 - Miscellaneous Fees & Registration	1,194	1,000	1,000	1,800	800
8050 - Equipment (under \$5,000)	0	600	13,487	18,500	5,013
Materials, Supplies and Services	43,103	42,550	214,594	134,950	(79,644)
Total Cross-Connection Control	272,257	390,898	552,706	444,750	(107,956)

Notes

In FY 2016, the Section budgeted for equipment needed to refurbish temporary hydrant meter rigs and backflow preventer repairs. Such purchases are not required in FY 2017, which reduced the projected FY 2017 expenses by \$57,109.

**Board of Water Supply
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CC - Customer Care

5330 - Customer Service and Records

Section's Activity

Customer Service and Records Section services customers' applications requiring reestablishment, discontinuance or transfer of services; maintains customer records for billing purposes; initiates field investigations; reviews governmental agency water service contracts; and handles inquiries and complaints regarding BWS operations, policies, rates and high water bills. Issues, processes and maintains records of all orders for installing, reestablishing, removing, discontinuing, maintaining, repairing, relocating and testing meters and services; maintains all service records, maintains records of check meters, automatic fire sprinklers and special water services; prepares statistical reports on services. Assists other BWS personnel in other divisions with information, statistics, correct service numbers and locations, folio numbers and status of accounts via computer terminals and services files.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	821,071	936,989	1,046,928	1,094,400	47,472
4120 - Overtime	9,959	18,000	10,320	12,000	1,680
4130 - Miscellaneous (Payroll)	286	0	0	0	0
Personnel Services	831,316	954,989	1,057,248	1,106,400	49,152
4160 - Meals; Mileage & Uniform Allowances	46	1,700	0	0	0
4250 - Other Contractual Services	714	0	0	0	0
4267 - Printed forms	0	200	0	0	0
4430 - Miscellaneous Supplies	149	300	400	0	(400)
4460 - Other Materials & Supplies	0	0	0	0	0
4720 - Conference Travel & Expenses	6	0	0	0	0
4815 - Repair & Maint - Equipment	0	200	0	0	0
8050 - Equipment (under \$5,000)	408	2,500	2,400	2,400	0
Materials, Supplies and Services	1,324	4,900	2,800	2,400	(400)
1270 - General Plant & Equip (over \$5,000)	0	50,000	0	0	0
Equipment	0	50,000	0	0	0
Total Customer Service and Records	832,640	1,009,889	1,060,048	1,108,800	48,752

Notes

Customer Service and Records Section

**Board of Water Supply
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CC - Customer Care

5350 - Investigation

Section's Activity

The Investigation Section investigates and determines causes of abnormalities, interruptions and reductions in water supply; investigates consumer complaints; locates underground piping systems; locates leaks; inspects water services for conformance to the department's rules and regulations; and obtains field data on water services.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,708,207	1,255,920	1,101,108	1,107,100	5,992
4120 - Overtime	176,042	288,000	240,000	200,000	(40,000)
4130 - Miscellaneous (Payroll)	14,810	64,699	51,000	62,100	11,100
Personnel Services	1,899,059	1,608,619	1,392,108	1,369,200	(22,908)
4160 - Meals; Mileage & Uniform Allowances	11,252	18,000	15,000	17,000	2,000
4250 - Other Contractual Services	20,430	16,000	18,000	20,000	2,000
4430 - Miscellaneous Supplies	70	400	400	0	(400)
4440 - Motor Vehicle Parts & Accessories	0	0	0	0	0
4460 - Other Materials & Supplies	4,884	5,000	4,000	4,800	800
4815 - Repair & Maint - Equipment	5,993	13,000	8,000	6,000	(2,000)
4910 - Miscellaneous Fees & Registration	0	600	600	0	(600)
8050 - Equipment (under \$5,000)	16,910	35,000	29,700	30,600	900
Materials, Supplies and Services	59,540	88,000	75,700	78,400	2,700
1270 - General Plant & Equip (over \$5,000)	0	0	20,000	0	(20,000)
Equipment	0	0	20,000	0	(20,000)
Total Investigation	1,958,598	1,696,619	1,487,808	1,447,600	(40,208)

Notes

Investigation Section

**Board of Water Supply
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LAND - Land

Section's Activity

The Land Division is responsible for acquiring water rights, land and land interests by purchase, eminent domain, lease or otherwise; conducts or contracts for title searches; prepares or secures surveys, maps and descriptions for land transactions; makes and/or contracts for land appraisals and analyzes those made by others; contracts and negotiates with private parties and governmental agencies to acquire water rights, land and land interests; prepares, checks and processes deeds, easements, leases, licenses, agreements and other documents through to final execution and recordation; administers all lands under the jurisdiction of the departments including recommendations on land use policies and carrying out the disposition of land and land interests, licenses, leases and easements; keeps abreast of laws and court decisions affecting water rights and land values.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	248,963	269,532	285,936	282,900	(3,036)
4120 - Overtime	16,080	15,600	16,800	17,500	700
4130 - Miscellaneous (Payroll)	0	8,400	7,200	3,700	(3,500)
Personnel Services	265,043	293,532	309,936	304,100	(5,836)
4160 - Meals; Mileage & Uniform Allowances	286	500	480	480	0
4210 - Appraisals; Title Searches & Related Costs	158,331	420,500	420,500	420,500	0
4250 - Other Contractual Services	87,321	100,900	720	900	180
4430 - Miscellaneous Supplies	902	500	600	600	0
4460 - Other Materials & Supplies	584	0	0	0	0
4480 - Postage	49	200	200	100	(100)
4720 - Conference Travel & Expenses	0	0	0	5,000	5,000
4815 - Repair & Maint - Equipment	0	0	320	0	(320)
4910 - Miscellaneous Fees & Registration	15,415	19,200	19,200	19,200	0
8050 - Equipment (under \$5,000)	0	0	0	0	0
Materials, Supplies and Services	262,887	541,800	442,020	446,780	4,760
Total Land	527,930	835,332	751,956	750,880	(1,076)

Notes

Appraisals, Title Searches and Related Costs provide funding for real property appraisals, title searches and land surveying that is needed to acquire or manage the department's real property assets. The need for these services varies depending on the capital needs of the department.

Miscellaneous Fees & Registration provides funds to pay the State the Dam & Reservoir Safety Program annual fees for regulated dams in Nuuanu and Makaha that are under the department's jurisdiction and to pay the Hawaii Community Development Authority the annual utility assessment fee for property in Kalaeloa.

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WR - Water Resources

Division/Office's Activity

The Water Resources Division administers and coordinates long range planning and the capital program; conducts continuous hydrologic and geologic monitoring; conducts hydraulic water system analysis for infrastructure improvements and operational efficiency; and administers the water conservation and recycled water programs.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,746,595	2,266,348	2,227,769	2,321,800	94,031
4120 - Overtime	45,151	62,065	60,829	72,892	12,063
4130 - Miscellaneous (Payroll)	0	73,502	62,297	29,800	(32,497)
Personnel Services	1,791,746	2,401,915	2,350,895	2,424,492	73,597
4160 - Meals; Mileage & Uniform Allowances	1,323	3,660	600	2,000	1,400
4250 - Other Contractual Services	593,054	667,970	1,285,580	950,129	(335,451)
4255 - Other Services	23,523	125,540	237,700	547,018	309,318
4265 - Printing	351	500	500	800	300
4270 - Professional Services	0	0	150,000	150,000	0
4430 - Miscellaneous Supplies	9,800	6,000	10,000	10,000	0
4460 - Other Materials & Supplies	7,500	12,500	21,500	26,860	5,360
4480 - Postage	0	480	480	480	0
4500 - Education and Training	6,263	11,529	16,169	28,300	12,131
4670 - Telemetering	0	0	0	0	0
4680 - Telephone	1,618	12,000	12,660	12,660	0
4720 - Conference Travel & Expenses	17,800	20,260	35,350	50,415	15,065
4810 - Repair & Maint - Recycled Water Plt	687,588	2,832,700	620,990	732,016	111,026
4815 - Repair & Maint - Equipment	2,318	13,030	14,900	25,900	11,000
4910 - Miscellaneous Fees & Registration	55	300	1,000	1,200	200
4920 - Non-Potable Water Trtmnt Plt Costs	3,855,539	5,507,800	5,507,800	5,365,331	(142,469)
4940 - US Geol Surv (USGS) CoOp Invest	429,535	482,101	160,000	60,000	(100,000)
8050 - Equipment (under \$5,000)	38,573	20,375	23,000	62,900	39,900
Materials, Supplies and Services	5,674,839	9,716,745	8,098,229	8,026,009	(72,220)
1270 - General Plant & Equip (over \$5,000)	5,055	46,140	40,000	169,000	129,000
Equipment	5,055	46,140	40,000	169,000	129,000
Total WR - Water Resources	7,471,640	12,164,800	10,489,124	10,619,501	130,377

Notes

Water Resources Division

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WR - Water Resources

5450 - Water Resources Administration

Section's Activity

The Water Resources Administration Section coordinates and directs the activities of the operating unit to meet the departmental requirements for water system and water resources development, conservation and protection; advises and keeps management informed on water resources and administers the pertinent rules and regulations.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	322,934	392,728	353,398	352,100	(1,298)
4120 - Overtime	741	0	0	2,000	2,000
4130 - Miscellaneous (Payroll)	0	1,956	0	0	0
Personnel Services	323,675	394,684	353,398	354,100	702
4160 - Meals; Mileage & Uniform Allowances	28	0	0	500	500
4250 - Other Contractual Services	63,757	101,440	500,000	500,000	0
4265 - Printing	351	0	0	0	0
4430 - Miscellaneous Supplies	8,206	6,000	10,000	10,000	0
4460 - Other Materials & Supplies	39	0	0	6,500	6,500
4500 - Education and Training	244	0	0	0	0
4680 - Telephone	0	0	660	660	0
4720 - Conference Travel & Expenses	9,483	1,870	1,300	3,390	2,090
4815 - Repair & Maint - Equipment	83	500	500	500	0
Materials, Supplies and Services	82,191	109,810	512,460	521,550	9,090
Total Water Resources Administration	405,867	504,494	865,858	875,650	9,792

Notes

Other Contractual Services of \$500,000 will meet the requirements of preparing a county water use and development plan per the State of Hawaii Water Code and County of Honolulu ordinance, and other Water Resources Research Studies.

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WR - Water Resources

5470 - Water System Planning

Section's Activity

The Water Systems Planning Section supports the functions of the Water Resources Division and other divisions by analyzing the feasibility of proposed capital projects and water system improvements using computer hydraulic models; verifying source contribution for the annual Consumer Confidence Report; developing specialized computer hydraulic models and analyzing operational scenarios; implementing/ assisting with the investigation and resolution of customer complaints of inadequate water service; coordinating the acquisition and evaluation of private water systems; and gathering real-time operational data for analysis and evaluation.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	234,003	311,512	336,932	313,900	(23,032)
4120 - Overtime	1,838	12,108	7,944	8,549	605
4130 - Miscellaneous (Payroll)	0	22,728	20,316	9,600	(10,716)
Personnel Services	235,842	346,348	365,192	332,049	(33,143)
4160 - Meals; Mileage & Uniform Allowances	76	0	0	0	0
4250 - Other Contractual Services	0	4,230	480	480	0
4460 - Other Materials & Supplies	1,471	1,500	1,500	1,500	0
4480 - Postage	0	480	480	480	0
4500 - Education and Training	4,912	4,000	8,190	8,460	270
4720 - Conference Travel & Expenses	1,796	3,740	9,490	11,450	1,960
4815 - Repair & Maint - Equipment	2,082	6,530	7,400	7,400	0
8050 - Equipment (under \$5,000)	1,432	2,475	0	20,400	20,400
Materials, Supplies and Services	11,770	22,955	27,540	50,170	22,630
1270 - General Plant & Equip (over \$5,000)	5,055	6,140	0	0	0
Equipment	5,055	6,140	0	0	0
Total Water System Planning	252,666	375,443	392,732	382,219	(10,513)

Notes

The Equipment increase of \$20,400 is to update the office furniture to create a work area more conducive for deep concentration and analysis, while still providing areas for collaboration and training.

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WR - Water Resources

5472 - Water Conservation

Section's Activity

To institute sustainable water use behavior and practices across the island of Oahu. To develop, design, implement and measure the effectiveness of corresponding programs that promote sustainability and to demonstrate through action, the Department's core mission of "Water for Life".

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	236,324	429,796	455,368	539,400	84,032
4120 - Overtime	6,954	8,838	9,888	13,250	3,362
4130 - Miscellaneous (Payroll)	0	15,758	22,788	6,400	(16,388)
Personnel Services	243,278	454,392	488,044	559,050	71,006
4160 - Meals; Mileage & Uniform Allowances	276	2,100	0	600	600
4250 - Other Contractual Services	0	150,000	200,000	200,000	0
4255 - Other Services	0	0	20,000	35,000	15,000
4270 - Professional Services	0	0	150,000	150,000	0
4430 - Miscellaneous Supplies	74	0	0	0	0
4460 - Other Materials & Supplies	(4,386)	4,200	14,200	9,810	(4,390)
4500 - Education and Training	360	2,000	2,000	5,400	3,400
4720 - Conference Travel & Expenses	3,716	7,040	11,850	15,540	3,690
8050 - Equipment (under \$5,000)	3,471	2,500	0	2,500	2,500
Materials, Supplies and Services	3,511	167,840	398,050	418,850	20,800
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	100,000	100,000
Equipment	0	0	0	100,000	100,000
Total Water Conservation	246,789	622,232	886,094	1,077,900	191,806

Notes

For Water Conservation, the \$200,000 is being dedicated to implementation of water conservation programs developed by previous studies. In addition, \$25,000 is being earmarked for a pilot "Watersmart" program aimed at reducing customer usage via a localized peer comparison strategy.

For Energy Conservation, the branch is administering a \$33M, 20 year Energy Savings Performance Contracting project with an intense initial 3 year effort of design and construction. This required the hiring of an additional person with expertise in ESPC projects.

For Recycled Water, the branch is revamping the administration of the Recycled Water System program including increasing the documentation of the physical assets and doing detailed asset assessments in the field. The biggest budget impact is an increase of \$100,000 to purchase leak detection equipment for deployment throughout the recycled water system to ensure that leaks can be found and fixed before it becomes a potential health risk.

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WR - Water Resources

5475 - Recycled Water

Section's Activity

The Recycled Water Program is responsible for the treatment and distribution of recycled water for beneficial reuse island-wide; the construction, acquisition, and operation of recycled water treatment and distribution infrastructure; long-term service and support agreements with large water users; and to conduct research and provide public outreach to promote acceptance of recycled water.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
M 4250 - Other Contractual Services	231,525	111,100	112,800	120,000	7,200
4265 - Printing	0	200	200	200	0
4460 - Other Materials & Supplies	193	1,400	1,400	1,400	0
4810 - Repair & Maint - Recycled Water Plt	687,588	2,832,700	620,990	732,016	111,026
4920 - Non-Potable Water Trtmnt Plt Costs	3,855,539	5,507,800	5,507,800	5,365,331	(142,469)
4940 - US Geol Surv (USGS) CoOp Invest	0	68,000	0	0	0
8050 - Equipment (under \$5,000)	0	400	400	0	(400)
Materials, Supplies and Services	4,774,846	8,521,600	6,243,590	6,218,947	(24,643)
Total Recycled Water	4,774,846	8,521,600	6,243,590	6,218,947	(24,643)

Notes

This budget is to keep the Honouliuli Water Recycling Facility operational and operating efficiently. The increases relate to both CPI related increases as well as specific equipment replacement projects for the Recycled Water System.

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WR - Water Resources

5480 - Hydrology-Geology

Section's Activity

The Hydrology-Geology Section is responsible for water resource monitoring and evaluation. The section collects and analyzes hydrologic and geologic data to manage resources, to identify new sources, to determine capacity of groundwater resources and aquifer properties. Plans and specifications are prepared for the drilling, testing, and sealing of wells of varying utility. The data collection unit collects rainfall, production and water level data, and conducts geophysical well profiles. These compiled data as well as hydrologic advice provided by staff is given to other sections, units, agencies and the public as requested. The data is used for the preparation of source development and management reports and studies. Watershed related programs and activities are administered through the watershed coordinator.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	417,276	452,712	451,716	495,800	44,084
4120 - Overtime	23,967	7,098	25,717	32,604	6,887
4130 - Miscellaneous (Payroll)	0	2,027	2,014	2,400	386
Personnel Services	441,243	461,837	479,447	530,804	51,357
4160 - Meals; Mileage & Uniform Allowances	736	300	300	600	300
4250 - Other Contractual Services	297,772	300,000	471,800	129,149	(342,651)
4255 - Other Services	23,523	125,540	217,700	512,018	294,318
4265 - Printing	0	300	300	600	300
4430 - Miscellaneous Supplies	53	0	0	0	0
4460 - Other Materials & Supplies	9,504	3,050	3,750	6,600	2,850
4500 - Education and Training	747	2,729	2,829	12,800	9,971
4670 - Telemetering	0	0	0	0	0
4680 - Telephone	1,618	12,000	12,000	12,000	0
4720 - Conference Travel & Expenses	625	2,200	8,410	9,310	900
4815 - Repair & Maint - Equipment	153	6,000	7,000	18,000	11,000
4910 - Miscellaneous Fees & Registration	55	300	1,000	1,200	200
4940 - US Geol Surv (USGS) CoOp Invest	429,535	414,101	160,000	60,000	(100,000)
8050 - Equipment (under \$5,000)	31,396	12,500	20,000	40,000	20,000
Materials, Supplies and Services	795,717	879,020	905,089	802,277	(102,812)
1270 - General Plant & Equip (over \$5,000)	0	40,000	40,000	69,000	29,000
Equipment	0	40,000	40,000	69,000	29,000
Total Hydrology-Geology	1,236,959	1,380,857	1,424,536	1,402,081	(22,455)

Notes

The Other Contractual Services decrease for other climate and watershed related studies and nonrecurring charges from FY2016.

The USGS CoOp Investment will return to normal funding levels from FY2016.

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WR - Water Resources

5490 - Project Review

Section's Activity

The Project Review Section reviews all requests concerning the availability of water; reviews all water master plans of private and public developments; provides system pressure and flow data; evaluates existing system facilities to ascertain capacities required to support proposed private and public developments; and maintains the files of outstanding water commitments.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	145,147	246,424	242,943	232,700	(10,243)
4120 - Overtime	263	8,400	4,800	4,800	0
4130 - Miscellaneous (Payroll)	0	17,173	3,097	0	(3,097)
Personnel Services	145,410	271,997	250,840	237,500	(13,340)
4160 - Meals; Mileage & Uniform Allowances	0	300	0	0	0
4430 - Miscellaneous Supplies	106	0	0	0	0
4460 - Other Materials & Supplies	24	400	0	400	400
4500 - Education and Training	0	1,600	750	800	50
4720 - Conference Travel & Expenses	1,261	1,670	1,700	4,210	2,510
8050 - Equipment (under \$5,000)	1,483	2,500	1,500	0	(1,500)
Materials, Supplies and Services	2,874	6,470	3,950	5,410	1,460
Total Project Review	148,283	278,467	254,790	242,910	(11,880)

Notes

Project Review

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WR - Water Resources

5495 - Long Range Planning

Section's Activity

The Long-Range Planning Section develops master and long-range plans for water system improvements to meet departmental goals and objectives; prepares population projections and estimates of future water requirements; and prepares, prioritizes, and justifies related Capital Program projects; conducts watershed management partnership and provides graphic art services to the department.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	390,911	433,176	387,412	387,900	488
4120 - Overtime	11,387	25,621	12,480	11,689	(791)
4130 - Miscellaneous (Payroll)	0	13,860	14,082	11,400	(2,682)
Personnel Services	402,298	472,657	413,974	410,989	(2,985)
4160 - Meals; Mileage & Uniform Allowances	206	960	300	300	0
4250 - Other Contractual Services	0	1,200	500	500	0
4430 - Miscellaneous Supplies	1,361	0	0	0	0
4460 - Other Materials & Supplies	656	1,950	650	650	0
4500 - Education and Training	0	1,200	2,400	840	(1,560)
4720 - Conference Travel & Expenses	918	3,740	2,600	6,515	3,915
8050 - Equipment (under \$5,000)	791	0	1,100	0	(1,100)
Materials, Supplies and Services	3,932	9,050	7,550	8,805	1,255
Total Long Range Planning	406,230	481,707	421,524	419,794	(1,730)

Notes

Long Range Planning

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FO - Field Operations

Division/Office's Activity

The Field Operations Division is responsible for the maintenance of all waterworks facilities, including all pipelines, valves, fire hydrants, and corporation yards; developing, maintaining, and landscaping all grounds; installing, maintaining, and repairing service connections; maintaining office buildings and physical control of the storerooms and storage yards.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	9,189,879	12,760,789	13,858,006	13,669,800	(188,206)
4120 - Overtime	1,192,153	1,519,400	1,617,600	1,629,600	12,000
4130 - Miscellaneous (Payroll)	503,319	575,400	895,000	1,051,100	156,100
Personnel Services	10,885,351	14,855,589	16,370,606	16,350,500	(20,106)
1110 - Materials & Supplies (Storeroom)	1,737,036	2,000,000	2,000,000	1,800,000	(200,000)
1120 - Meters (Storeroom)	1,612,521	1,200,000	2,400,000	4,297,000	1,897,000
1125 - AMR Materials & Supplies (Storeroom)	1,325,277	1,320,000	2,400,000	3,600,000	1,200,000
4160 - Meals; Mileage & Uniform Allowances	82,177	112,500	115,200	123,600	8,400
4230 - Emergency & Contracted Road Repairs	2,228,890	3,500,000	3,500,000	6,000,000	2,500,000
4250 - Other Contractual Services	639,638	483,700	917,100	890,100	(27,000)
4267 - Printed forms	0	600	0	0	0
4270 - Professional Services	0	0	0	450,000	450,000
4280 - Refuse Collection & Disposal	446,744	400,000	550,000	550,000	0
4410 - Gasoline	35	0	0	0	0
4420 - Hauling Charges	7,926	48,000	36,000	36,000	0
4430 - Miscellaneous Supplies	12,639	12,000	9,600	9,600	0
4460 - Other Materials & Supplies	260,563	297,000	320,400	352,400	32,000
4470 - Parts and Accessories	437	3,900	2,400	2,400	0
4500 - Education and Training	16,693	12,000	30,000	30,000	0
4720 - Conference Travel & Expenses	13,445	24,000	12,000	36,000	24,000
4805 - Repair & Maint - Structures	10,398	60,000	67,000	60,000	(7,000)
4815 - Repair & Maint - Equipment	11,475	33,200	31,200	48,200	17,000
4920 - Non-Potable Water Trtmnt Plt Costs	0	60,000	60,000	200,000	140,000
4923 - Store Materials & Expense	386,677	500,000	500,000	500,000	0
8050 - Equipment (under \$5,000)	147,793	134,300	119,100	103,450	(15,650)
Materials, Supplies and Services	8,940,363	10,201,200	13,070,000	19,088,750	6,018,750
E 1270 - General Plant & Equip (over \$5,000)	122,280	249,400	0	20,000	20,000
Equipment	122,280	249,400	0	20,000	20,000
Total FO - Field Operations	19,947,995	25,306,189	29,440,606	35,459,250	6,018,644

Notes

Field Operations Division

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FO - Field Operations

5500 - Field Operations Administration

Section's Activity

Administers the affairs of the Field Operations Division.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	450,525	418,081	726,573	760,300	33,727
4120 - Overtime	3,858	4,800	4,800	12,000	7,200
4130 - Miscellaneous (Payroll)	23,336	40,000	87,000	94,200	7,200
Personnel Services	477,719	462,881	818,373	866,500	48,127
4160 - Meals; Mileage & Uniform Allowances	43	1,800	0	6,000	6,000
4250 - Other Contractual Services	122,295	148,000	160,000	160,000	0
4270 - Professional Services	0	0	0	450,000	450,000
4460 - Other Materials & Supplies	2,038	6,000	6,000	12,000	6,000
4500 - Education and Training	15,923	12,000	30,000	30,000	0
4720 - Conference Travel & Expenses	10,702	24,000	12,000	36,000	24,000
4815 - Repair & Maint - Equipment	38	0	0	10,000	10,000
8050 - Equipment (under \$5,000)	42,465	28,800	0	0	0
Materials, Supplies and Services	193,503	220,600	208,000	704,000	496,000
1270 - General Plant & Equip (over \$5,000)	86,844	149,000	0	0	0
Equipment	86,844	149,000	0	0	0
Total Field Operations Administration	758,067	832,481	1,026,373	1,570,500	544,127

Notes

Professional Services – For project management of \$6,000,000 in budgeted paving contracts.

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FO - Field Operations

5510 - Distribution Branch Administration

Section's Activity

The Distribution Branch directs and coordinates the activities pertaining to maintenance of pipelines, appurtenances, buildings and corporation yards; coordinates and directs the development, landscaping and maintenance of grounds; provides clerical support to sections of the division.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	127,772	231,534	295,129	419,400	124,271
4120 - Overtime	1,281	1,200	2,400	2,400	0
4130 - Miscellaneous (Payroll)	1,024	0	0	0	0
Personnel Services	130,077	232,734	297,529	421,800	124,271
4160 - Meals; Mileage & Uniform Allowances	60	0	0	0	0
4230 - Emergency & Contracted Road Repairs	2,228,890	3,500,000	3,500,000	6,000,000	2,500,000
4250 - Other Contractual Services	1,060	0	2,400	2,400	0
4430 - Miscellaneous Supplies	8,304	10,000	9,600	9,600	0
4460 - Other Materials & Supplies	766	0	0	0	0
4815 - Repair & Maint - Equipment	0	0	0	0	0
Materials, Supplies and Services	2,239,080	3,510,000	3,512,000	6,012,000	2,500,000
Total Distribution Branch Administration	2,369,156	3,742,734	3,809,529	6,433,800	2,624,271

Notes

Emergency & Contract Road Repairs – For City and State road repairs for BWS excavations. Increased by \$2.5 million due to the significant increase of 300% in per unit costs submitted by paving contractors.

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FO - Field Operations

MS - Maintenance Section

Section's Activity

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,058,880	2,529,204	2,713,080	2,836,100	123,020
4120 - Overtime	177,121	195,800	228,000	220,000	(8,000)
4130 - Miscellaneous (Payroll)	63,052	115,700	148,400	214,400	66,000
Personnel Services	2,299,053	2,840,704	3,089,480	3,270,500	181,020
4160 - Meals; Mileage & Uniform Allowances	15,115	15,100	16,800	16,800	0
4250 - Other Contractual Services	426,529	220,000	600,000	600,000	0
4280 - Refuse Collection & Disposal	446,744	400,000	550,000	550,000	0
4460 - Other Materials & Supplies	85,312	87,000	108,000	108,000	0
4470 - Parts and Accessories	437	2,700	0	0	0
4500 - Education and Training	695	0	0	0	0
4720 - Conference Travel & Expenses	701	0	0	0	0
4805 - Repair & Maint - Structures	0	0	0	0	0
4815 - Repair & Maint - Equipment	5,889	9,200	9,600	9,600	0
8050 - Equipment (under \$5,000)	24,060	30,000	34,200	24,900	(9,300)
Materials, Supplies and Services	1,005,481	764,000	1,318,600	1,309,300	(9,300)
1270 - General Plant & Equip (over \$5,000)	35,436	46,400	0	20,000	20,000
Equipment	35,436	46,400	0	20,000	20,000
Total Maintenance Section	3,339,970	3,651,104	4,408,080	4,599,800	191,720

Notes

Other Contractual Services - For tree trimming and clearing growth at trails, tunnels, springs, reservoir and pump station, dams, and other BWS facilities.

Other Materials and Supplies – Replacement pipe and pavement cutter blades; equipment rentals; welding supplies; hand tools; clamps; taps and drills; fire hoses; valve packing; parts for tapping machines and power equipment; portable power tools; storm water discharge BMP's; etc.

Grounds- Sprayers; materials and supplies for maintaining landscaped areas; sprinkler system replacement; seedlings and plants; herbicides and pesticides; fertilizers; paints; etc.

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FO - Field Operations

5530 - Construction

Section's Activity

The Construction Section conducts all major emergency repair operations involving water mains, reservoirs and appurtenances and performs emergency light repairs in the city areas; constructs pipelines and appurtenances and miscellaneous projects connected with force account; performs merchandising and jobbing projects; conducts all carpentry, masonry and heavy equipment operations.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,643,949	2,192,316	2,265,900	2,299,700	33,800
4120 - Overtime	346,972	600,000	600,000	500,000	(100,000)
4130 - Miscellaneous (Payroll)	93,370	91,500	173,000	212,600	39,600
Personnel Services	2,084,290	2,883,816	3,038,900	3,012,300	(26,600)
4160 - Meals; Mileage & Uniform Allowances	19,612	36,000	36,000	36,000	0
4250 - Other Contractual Services	40,487	47,000	48,000	48,000	0
4430 - Miscellaneous Supplies	8	0	0	0	0
4460 - Other Materials & Supplies	44,016	36,000	36,000	48,000	12,000
4500 - Education and Training	0	0	0	0	0
4720 - Conference Travel & Expenses	417	0	0	0	0
4805 - Repair & Maint - Structures	5,646	36,000	36,000	36,000	0
4815 - Repair & Maint - Equipment	361	0	0	0	0
8050 - Equipment (under \$5,000)	17,754	11,600	14,700	15,800	1,100
Materials, Supplies and Services	128,302	166,600	170,700	183,800	13,100
E 1270 - General Plant & Equip (over \$5,000)	0	10,000	0	0	0
Equipment	0	10,000	0	0	0
Total Construction	2,212,593	3,060,416	3,209,600	3,196,100	(13,500)

Notes

Other Materials and Supplies – Replacement pipe and pavement cutter blades; equipment rentals; welding supplies; hand tools; clamps; taps and drills; fire hoses; valve packing; parts for tapping machines and power equipment; portable power tools; storm water discharge BMP's; etc. Increased by \$12,000 due to historical spending and increased requirements by EPA/ENV for storm water requirements

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FO - Field Operations

SFSB - Suburban Field Services Branch

Section's Activity

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,581,123	3,313,986	3,506,148	3,279,000	(227,148)
4120 - Overtime	481,869	480,000	553,200	552,000	(1,200)
4130 - Miscellaneous (Payroll)	113,270	157,500	218,000	240,000	22,000
Personnel Services	3,176,262	3,951,486	4,277,348	4,071,000	(206,348)
4160 - Meals; Mileage & Uniform Allowances	29,845	35,000	38,400	38,400	0
4250 - Other Contractual Services	25,637	43,000	43,000	43,000	0
4430 - Miscellaneous Supplies	846	2,000	0	0	0
4460 - Other Materials & Supplies	50,335	54,000	54,000	56,000	2,000
4720 - Conference Travel & Expenses	1,067	0	0	0	0
4805 - Repair & Maint - Structures	0	0	7,000	0	(7,000)
4815 - Repair & Maint - Equipment	4,747	7,200	6,000	10,000	4,000
8050 - Equipment (under \$5,000)	43,867	44,700	56,500	19,000	(37,500)
Materials, Supplies and Services	156,343	185,900	204,900	166,400	(38,500)
1270 - General Plant & Equip (over \$5,000)	0	10,000	0	0	0
Equipment	0	10,000	0	0	0
Total Suburban Field Services Branch	3,332,605	4,147,386	4,482,248	4,237,400	(244,848)

Notes

Administration Section

Manana Section

Wahiawa Section

Waianae Section

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FO - Field Operations

SS - Services Section

Section's Activity

The Distribution Services Section installs new service connections and meters; maintains repairs and renews service connections; and maintains the Beretania Complex, Kalihi Office buildings and Kalihi Museum.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS4110 - Salaries & Wages	701,571	1,261,824	1,211,388	838,800	(372,588)
4120 - Overtime	81,997	90,000	91,200	97,200	6,000
4130 - Miscellaneous (Payroll)	55,876	43,400	78,400	68,000	(10,400)
Personnel Services	839,443	1,395,224	1,380,988	1,004,000	(376,988)
4160 - Meals; Mileage & Uniform Allowances	6,558	8,400	8,400	8,400	0
4250 - Other Contractual Services	15,766	12,000	12,000	12,000	0
4460 - Other Materials & Supplies	7,705	6,000	6,000	6,000	0
4805 - Repair & Maint - Structures	4,751	24,000	24,000	24,000	0
8050 - Equipment (under \$5,000)	4,678	5,000	3,800	2,000	(1,800)
Materials, Supplies and Services	39,458	55,400	54,200	52,400	(1,800)
Total Services Section	878,901	1,450,624	1,435,188	1,056,400	(378,788)

Notes

Building Maintenance

District Services

Service Connections

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FO - Field Operations

5552 - Meter Maintenance

Section's Activity

The Meter Maintenance Section operates and maintains the meter shop for testing and repairing meters; maintains and updates the meter record system; conducts annual meter replacement and overhaul program; inspects and performs large meter performance tests; repairs or replaces large meters; reviews and evaluates meter technical data; performs meter mastering to optimize meter type, size, and to diagnose problems; and installs and removes temporary fire hydrant meter assemblies.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	242,097	936,528	1,163,673	1,349,000	185,327
4120 - Overtime	5,692	24,000	12,000	120,000	108,000
4130 - Miscellaneous (Payroll)	0	3,600	20,000	20,000	0
Personnel Services	247,789	964,128	1,195,673	1,489,000	293,327
1120 - Meters (Storeroom)	1,612,521	1,200,000	2,400,000	4,297,000	1,897,000
1125 - AMR Materials & Supplies (Storeroom)	1,325,277	1,320,000	2,400,000	3,600,000	1,200,000
4160 - Meals; Mileage & Uniform Allowances	282	1,200	0	2,400	2,400
4250 - Other Contractual Services	6,600	12,000	50,000	22,000	(28,000)
4430 - Miscellaneous Supplies	45	0	0	0	0
4460 - Other Materials & Supplies	14,318	12,000	12,000	24,000	12,000
4470 - Parts and Accessories	0	1,200	2,400	2,400	0
4815 - Repair & Maint - Equipment	0	12,000	12,000	15,000	3,000
8050 - Equipment (under \$5,000)	7,653	11,000	4,200	28,150	23,950
Materials, Supplies and Services	2,966,697	2,569,400	4,880,600	7,990,950	3,110,350
Total Meter Maintenance	3,214,486	3,533,528	6,076,273	9,479,950	3,403,677

Notes

Meters (Storeroom) - For new and replacement meters in the BWS system. Increased by \$1.9 million to implement 10 year meter change out program.

AMR Materials & Supplies (Storeroom) – New and replacement parts for Automated Meter Reading (AMR) system. Increased by \$1.2 million due to 10 year meter change out program to include new transmitters (MXU) for each meter setting.

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FO - Field Operations

5560 - Windward Branch

Section's Activity

Maintains the water distribution system, appurtenances and grounds within the Windward Section including all mains, valves and hydrants; repairs and installs service connections and operates a radio-telephone communications center.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,079,984	1,580,472	1,646,296	1,540,000	(106,296)
4120 - Overtime	88,997	120,000	120,000	120,000	0
4130 - Miscellaneous (Payroll)	153,391	122,500	150,000	176,400	26,400
Personnel Services	1,322,372	1,822,972	1,916,296	1,836,400	(79,896)
4160 - Meals; Mileage & Uniform Allowances	8,195	12,000	12,000	12,000	0
4250 - Other Contractual Services	1,263	1,700	1,700	2,700	1,000
4410 - Gasoline	35	0	0	0	0
4430 - Miscellaneous Supplies	23	0	0	0	0
4460 - Other Materials & Supplies	14,870	12,000	14,400	14,400	0
4500 - Education and Training	75	0	0	0	0
4720 - Conference Travel & Expenses	559	0	0	0	0
4815 - Repair & Maint - Equipment	441	4,800	3,600	3,600	0
8050 - Equipment (under \$5,000)	7,012	3,200	5,700	7,600	1,900
Materials, Supplies and Services	32,473	33,700	37,400	40,300	2,900
E 1270 - General Plant & Equip (over \$5,000)	0	34,000	0	0	0
Equipment	0	34,000	0	0	0
Total Windward Branch	1,354,845	1,890,672	1,953,696	1,876,700	(76,996)

Notes

Windward Branch

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FO - Field Operations

5585 - Procurement and Supply

Section's Activity

The Supply Section is responsible for physical control of the storerooms and storage yards; coordinates and processes the annual materials contract and stores and disposes of scrap and surplus materials.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	303,979	296,844	329,820	347,500	17,680
4120 - Overtime	4,366	3,600	6,000	6,000	0
4130 - Miscellaneous (Payroll)	0	1,200	20,200	25,500	5,300
Personnel Services	308,345	301,644	356,020	379,000	22,980
1110 - Materials & Supplies (Storeroom)	1,737,036	2,000,000	2,000,000	1,800,000	(200,000)
4160 - Meals; Mileage & Uniform Allowances	2,468	3,000	3,600	3,600	0
4250 - Other Contractual Services	0	0	0	0	0
4267 - Printed forms	0	600	0	0	0
4420 - Hauling Charges	7,926	48,000	36,000	36,000	0
4430 - Miscellaneous Supplies	3,412	0	0	0	0
4460 - Other Materials & Supplies	41,203	84,000	84,000	84,000	0
4920 - Non-Potable Water Trtmnt Plt Costs	0	60,000	60,000	200,000	140,000
4923 - Store Materials & Expense	386,677	500,000	500,000	500,000	0
8050 - Equipment (under \$5,000)	305	0	0	6,000	6,000
Materials, Supplies and Services	2,179,026	2,695,600	2,683,600	2,629,600	(54,000)
Total Procurement and Supply	2,487,372	2,997,244	3,039,620	3,008,600	(31,020)

Notes

Non-Potable Water Treatment Plt Costs – For non-stock items to maintain and repair non-potable pipelines.

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CP - Capital Projects

Division/Office's Activity

The Capital Projects Division is responsible for developing and administering the department's Capital Improvement Program and the design and construction of all waterworks facilities, including mains and appurtenances, well and pump stations, reservoirs, and support facilities. This involves preparing detailed plans and specifications for all waterworks installations, administering consultant contracts, and implementing and inspecting all phases of construction.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	3,603,652	4,071,035	4,367,720	4,430,900	63,180
4120 - Overtime	337,533	336,500	340,200	367,000	26,800
4130 - Miscellaneous (Payroll)	11,889	236,480	124,000	243,400	119,400
Personnel Services	3,953,075	4,644,015	4,831,920	5,041,300	209,380
4160 - Meals; Mileage & Uniform Allowances	12,796	19,900	19,800	23,200	3,400
4250 - Other Contractual Services	3,106,306	3,155,000	1,990,000	755,000	(1,235,000)
4260 - Advertising & Publication of Notices	666	2,000	2,000	2,000	0
4270 - Professional Services	0	0	600,000	0	(600,000)
4430 - Miscellaneous Supplies	5,610	8,400	6,700	7,000	300
4460 - Other Materials & Supplies	2,213	6,300	4,800	5,800	1,000
4500 - Education and Training	1,577	27,700	18,700	20,200	1,500
4720 - Conference Travel & Expenses	7,884	13,150	9,500	14,000	4,500
4815 - Repair & Maint - Equipment	9,872	10,100	10,600	9,600	(1,000)
4910 - Miscellaneous Fees & Registration	408	23,000	23,000	23,350	350
8050 - Equipment (under \$5,000)	202,017	3,500	750	9,100	8,350
Materials, Supplies and Services	3,349,348	3,269,050	2,685,850	869,250	(1,816,600)
E 1270 - General Plant & Equip (over \$5,000)	0	200,000	0	0	0
Equipment	0	200,000	0	0	0
Total CP - Capital Projects	7,302,423	8,113,065	7,517,770	5,910,550	(1,607,220)

Notes

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CP - Capital Projects

5565 - Administration

Section's Activity

The Engineering Branch Administration administers the programs involving the planning, designing, inspecting and executing of all waterworks projects that are incorporated into the public water system.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	432,685	471,262	514,323	500,100	(14,223)
4120 - Overtime	0	1,100	0	0	0
4130 - Miscellaneous (Payroll)	0	13,680	0	6,000	6,000
Personnel Services	432,685	486,042	514,323	506,100	(8,223)
4160 - Meals; Mileage & Uniform Allowances	0	100	200	200	0
4250 - Other Contractual Services	2,406,174	2,400,000	1,200,000	600,000	(600,000)
4260 - Advertising & Publication of Notices	0	2,000	2,000	2,000	0
4430 - Miscellaneous Supplies	2,520	8,400	2,500	2,500	0
4460 - Other Materials & Supplies	17	6,300	0	0	0
4500 - Education and Training	0	1,000	1,000	3,400	2,400
4720 - Conference Travel & Expenses	360	3,150	2,500	3,300	800
4815 - Repair & Maint - Equipment	1,551	2,000	2,000	500	(1,500)
4910 - Miscellaneous Fees & Registration	0	22,500	22,500	22,850	350
8050 - Equipment (under \$5,000)	201,197	1,000	0	3,000	3,000
Materials, Supplies and Services	2,611,818	2,446,450	1,232,700	637,750	(594,950)
1270 - General Plant & Equip (over \$5,000)	0	200,000	0	0	0
Equipment	0	200,000	0	0	0
Total Administration	3,044,504	3,132,492	1,747,023	1,143,850	(603,173)

Notes

The budgeted amount for Other Contractual Services in FY16 was to complete the Project Management Information System and Division Program Management effort. The requirements are reduced in FY17 for support services during implementation and optimization.

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CP - Capital Projects

5570 - Design & Plans Review

Section's Activity

The Design Section administers the department's Capital Improvement Program through project management teams; prepares detailed specifications and plans for all waterworks installations; coordinates and administers all consultant contracts; coordinates and secures all necessary permits and clearances for construction; provides design assistance to other divisions as required; determines feasibility of pipeline alignments, reservoir sites and pumping facilities; prepares plans and specifications for all major replacement and repair projects including additions to the system.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	811,339	884,976	876,336	819,000	(57,336)
4120 - Overtime	83,741	78,000	84,000	84,000	0
4130 - Miscellaneous (Payroll)	0	1,200	3,000	58,200	55,200
Personnel Services	895,080	964,176	963,336	961,200	(2,136)
4160 - Meals; Mileage & Uniform Allowances	3,054	3,000	3,000	4,000	1,000
4260 - Advertising & Publication of Notices	666	0	0	0	0
4430 - Miscellaneous Supplies	128	0	0	0	0
4460 - Other Materials & Supplies	(27)	0	3,000	600	(2,400)
4500 - Education and Training	838	13,900	6,200	6,200	0
4720 - Conference Travel & Expenses	1,979	2,975	2,500	2,500	0
8050 - Equipment (under \$5,000)	0	1,000	0	3,800	3,800
Materials, Supplies and Services	6,638	20,875	14,700	17,100	2,400
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Design & Plans Review	901,718	985,051	978,036	978,300	264

Notes

Design

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CP - Capital Projects

5575 - Construction

Section's Activity

The Construction Section implements and inspects the construction phases of the department's Capital Improvement Program. This section also plans and coordinates construction schedules and procedures of all water system facilities; inspects the construction of all water system facilities for adherence to the department's standards, policies, plans and specifications utilizing approved construction and engineering practices.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,526,723	1,754,313	1,981,658	1,936,100	(45,558)
4120 - Overtime	253,095	252,000	252,000	280,000	28,000
4130 - Miscellaneous (Payroll)	11,889	219,600	121,000	92,900	(28,100)
Personnel Services	1,791,708	2,225,913	2,354,658	2,309,000	(45,658)
4160 - Meals; Mileage & Uniform Allowances	9,732	16,500	16,500	18,900	2,400
4250 - Other Contractual Services	621,832	660,000	660,000	30,000	(630,000)
4430 - Miscellaneous Supplies	247	0	0	300	300
4460 - Other Materials & Supplies	2,206	0	0	4,000	4,000
4500 - Education and Training	0	6,000	6,000	6,400	400
4720 - Conference Travel & Expenses	5,545	4,700	4,000	7,200	3,200
4910 - Miscellaneous Fees & Registration	100	500	500	500	0
8050 - Equipment (under \$5,000)	820	0	0	300	300
Materials, Supplies and Services	640,482	687,700	687,000	67,600	(619,400)
1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Construction	2,432,191	2,913,613	3,041,658	2,376,600	(665,058)

Notes

The budgeted amount for Other Contractual Services in FY16 was to complete the Construction Management Program effort. Continued funding in FY17 is not required.

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CP - Capital Projects

5580 - Support

Section's Activity

The Support Section prepares the Department's annual Capital Improvement Program; coordinates BWS projects with other City and State projects; prepares plans, specifications, and contract documents for facility repair and replacement projects; oversees consultant contracts for studies and for the design of repairs to BWS facilities and water system improvements; coordinates and assembles plans and specifications for projects to be advertised for competitive bidding; prepares maps for presentations on BWS projects to community associations; develops and maintains water system standards; conducts materials testing and research programs to evaluate new materials and equipment; maintains main break records and develops main replacement programs; maintains and updates the distribution maps; develops fire protection improvement programs; maintains and updates fire hydrant files; prepares responses to public information requests and complaints on water facilities; updates BWS GIS water infrastructure data, main break locations, and BWS project data; compiles the Engineering Branch's physical inventory; purchases common engineering supplies for the Branch; and maintains the Department's construction as-built drawings.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	443,941	487,286	506,232	672,300	166,068
4120 - Overtime	598	3,000	3,000	3,000	0
4130 - Miscellaneous (Payroll)	0	1,000	0	47,100	47,100
Personnel Services	444,539	491,286	509,232	722,400	213,168
4160 - Meals; Mileage & Uniform Allowances	10	100	100	100	0
4250 - Other Contractual Services	15,627	25,000	25,000	20,000	(5,000)
4270 - Professional Services	0	0	600,000	0	(600,000)
4430 - Miscellaneous Supplies	2,692	0	4,200	4,200	0
4460 - Other Materials & Supplies	17	0	0	0	0
4500 - Education and Training	419	4,800	2,500	2,400	(100)
4720 - Conference Travel & Expenses	0	375	500	500	0
4815 - Repair & Maint - Equipment	8,321	8,100	8,600	9,100	500
4910 - Miscellaneous Fees & Registration	308	0	0	0	0
8050 - Equipment (under \$5,000)	0	0	0	500	500
Materials, Supplies and Services	27,393	38,375	640,900	36,800	(604,100)
1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Support	471,932	529,661	1,150,132	759,200	(390,932)

Notes

The budgeted amount for Professional Services in FY16 was for a one-time update of the Water System Standards.

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CP - Capital Projects

5582 - Mechanical and Electrical

Section's Activity

The Mechanical/Electrical Section administers the Department's mechanical and electrical capital improvement program through consultant contracts and in-house design; reviews consultant plans, specifications and cost estimates; assists Capital Projects Division with mechanical and electrical design portions of their projects; prepares project plans, specifications and other necessary documents for competitive bidding; prepares contracts, award letters, change orders, and other required correspondence; prepares cost estimates to secure funding for future projects; provide technical assistance to construction inspectors during construction; conduct performance and acceptance testing of all mechanical and electrical equipment.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	388,962	473,198	489,171	503,400	14,229
4120 - Overtime	99	2,400	1,200	0	(1,200)
4130 - Miscellaneous (Payroll)	0	1,000	0	39,200	39,200
Personnel Services	389,061	476,598	490,371	542,600	52,229
4160 - Meals; Mileage & Uniform Allowances	0	200	0	0	0
4250 - Other Contractual Services	62,673	70,000	105,000	105,000	0
4430 - Miscellaneous Supplies	23	0	0	0	0
4460 - Other Materials & Supplies	0	0	1,800	1,200	(600)
4500 - Education and Training	320	2,000	3,000	1,800	(1,200)
4720 - Conference Travel & Expenses	0	1,950	0	500	500
8050 - Equipment (under \$5,000)	0	1,500	750	1,500	750
Materials, Supplies and Services	63,016	75,650	110,550	110,000	(550)
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Mechanical and Electrical	452,078	552,248	600,921	652,600	51,679

Notes

Mechanical and Electrical Branch

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WSO - Water System Operations

Division/Office's Activity

The Water System Operations Division is responsible for the operations and maintenance of pumping and water treatment plant equipment, plant facilities, and communications and electronic control systems. It maintains a 24-hour watch over the department's island-wide water systems and departmental electrical and emergency power supply systems. The unit also administers the mechanical and electrical Capital Program; performs required water quality testing and monitoring; and purchases, maintains, and repairs the department's vehicles and construction equipment.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
DP 4610 - Electric Power - Water Distrib Fac	3,144	0	0	0	0
Departmental Fixed Charges	3,144	0	0	0	0
4110 - Salaries & Wages	4,115,356	5,712,843	6,254,173	6,592,400	338,227
4120 - Overtime	473,340	496,000	542,800	577,000	34,200
4130 - Miscellaneous (Payroll)	17,995	117,620	111,600	83,800	(27,800)
Personnel Services	4,606,692	6,326,463	6,908,573	7,253,200	344,627
M 4160 - Meals; Mileage & Uniform Allowances	23,131	35,500	35,500	33,524	(1,976)
4250 - Other Contractual Services	280,126	287,000	295,200	313,400	18,200
4251 - Software Licenses and Maintenance	0	0	0	3,800	3,800
4267 - Printed forms	0	100	100	100	0
4270 - Professional Services	820,000	1,620,000	840,000	600,000	(240,000)
4410 - Gasoline	849,103	990,000	990,000	910,000	(80,000)
4430 - Miscellaneous Supplies	3,458	6,000	11,000	11,000	0
4440 - Motor Vehicle Parts & Accessories	499,975	408,900	432,000	452,000	20,000
4460 - Other Materials & Supplies	3,020,330	2,647,000	2,698,500	2,855,100	156,600
4470 - Parts and Accessories	483,025	540,000	524,400	716,400	192,000
4500 - Education and Training	4,922	59,100	79,600	52,700	(26,900)
4670 - Telemetering	216,495	240,000	240,000	240,000	0
4720 - Conference Travel & Expenses	2,093	10,300	15,800	17,100	1,300
4805 - Repair & Maint - Structures	30,105	60,000	52,000	52,000	0
4815 - Repair & Maint - Equipment	1,230,204	1,306,800	1,165,200	1,131,000	(34,200)
4910 - Miscellaneous Fees & Registration	4,494	2,100	5,100	8,900	3,800
8050 - Equipment (under \$5,000)	550,315	939,400	731,500	676,950	(54,550)
Materials, Supplies and Services	8,017,775	9,152,200	8,115,900	8,073,974	(41,926)
1270 - General Plant & Equip (over \$5,000)	1,135,576	2,060,100	2,560,100	4,051,200	1,491,100
Equipment	1,135,576	2,060,100	2,560,100	4,051,200	1,491,100
Total WSO - Water System Operations	13,763,187	17,538,763	17,584,573	19,378,374	1,793,801

Notes

Water System Operations Division

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WSO - Water System Operations

5600 - Operations Administration

Section's Activity

Administers the affairs of the Water System Operations Division; provides engineering and clerical support to sections within the unit.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	330,541	480,757	361,345	508,500	147,155
4120 - Overtime	3,180	3,600	2,400	5,000	2,600
4130 - Miscellaneous (Payroll)	0	16,900	19,900	18,900	(1,000)
Personnel Services	333,721	501,257	383,645	532,400	148,755
4160 - Meals; Mileage & Uniform Allowances	218	300	300	600	300
4250 - Other Contractual Services	17,878	39,400	18,000	18,000	0
4270 - Professional Services	820,000	1,620,000	840,000	600,000	(240,000)
4430 - Miscellaneous Supplies	2,496	4,800	4,800	4,800	0
4460 - Other Materials & Supplies	300	700	0	0	0
4500 - Education and Training	1,337	1,800	2,300	2,300	0
4720 - Conference Travel & Expenses	2,093	1,500	3,000	3,900	900
4910 - Miscellaneous Fees & Registration	0	0	600	600	0
8050 - Equipment (under \$5,000)	0	2,100	0	1,000	1,000
Materials, Supplies and Services	844,322	1,670,600	869,000	631,200	(237,800)
E 1270 - General Plant & Equip (over \$5,000)	14,083	16,000	0	0	0
Equipment	14,083	16,000	0	0	0
Total Operations Administration	1,192,125	2,187,857	1,252,645	1,163,600	(89,045)

Notes

Professional services decreased because less funding is required for the next phase of the Instrumentation and Controls Improvement project.

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WSO - Water System Operations

5610 - Plant Operations

Section's Activity

The Pumps Section operates, maintains, repairs and installs equipment of the pumping systems consisting of electrical pumping plants, booster pumping stations, water treatment plants, hydraulic turbine pumping units, water treatment stations, reservoirs, reservoir altitude valves, in-line check and hydraulically-operated butterfly valves and pressure-regulating valves, aerators, meters and gauges, repair shops, buildings and structures, air conditioners, exhaust blowers and fans, auxiliary pumping and water treatment equipment; regulates the water supply within the water distribution systems through the use of a variety of mechanically and electrically-operated supervisory controls; operates the department's after-hour control center; maintains a 24-hour watch over department's island-wide water system.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	75,664	138,108	234,792	218,800	(15,992)
4120 - Overtime	4,068	9,000	9,000	9,000	0
4130 - Miscellaneous (Payroll)	0	1,200	1,200	1,200	0
Personnel Services	79,733	148,308	244,992	229,000	(15,992)
4160 - Meals; Mileage & Uniform Allowances	134	300	300	300	0
4250 - Other Contractual Services	63,037	10,000	3,600	10,000	6,400
4410 - Gasoline	28	0	0	0	0
4430 - Miscellaneous Supplies	0	0	5,000	5,000	0
4460 - Other Materials & Supplies	2,777,982	2,386,700	2,409,400	2,620,000	210,600
4470 - Parts and Accessories	6,872	0	0	0	0
4500 - Education and Training	380	8,900	900	1,600	700
4720 - Conference Travel & Expenses	0	1,000	1,500	1,300	(200)
4805 - Repair & Maint - Structures	21,403	50,000	48,000	48,000	0
4815 - Repair & Maint - Equipment	1,058,611	822,000	888,400	854,000	(34,400)
4910 - Miscellaneous Fees & Registration	1,283	0	2,400	5,400	3,000
8050 - Equipment (under \$5,000)	77,017	271,000	61,000	82,000	21,000
Materials, Supplies and Services	4,006,747	3,549,900	3,420,500	3,627,600	207,100
1270 - General Plant & Equip (over \$5,000)	6,966	10,000	140,000	140,000	0
Equipment	6,966	10,000	140,000	140,000	0
Total Plant Operations	4,093,445	3,708,208	3,805,492	3,996,600	191,108

Notes

Other Materials and Supplies increased because of the anticipated price increase of granular activated carbon (GAC).

Repair and Maintenance decreased because it is anticipated that less funding is needed motor rewinding services.

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WSO - Water System Operations

5611 - District 1 Leeward West Section

Section's Activity

District 1 consists of the stations on the leeward side of the island from Waipahu to Makaha. Granular activated carbon filtration plants are located at Hoaeae Wells; Waipahu Wells I, II, III, and IV; Kunia Wells I and II; and Waipio Heights Wells III.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	391,418	598,344	616,924	635,000	18,076
4120 - Overtime	120,950	100,000	100,000	120,000	20,000
4130 - Miscellaneous (Payroll)	1,285	19,000	6,000	6,000	0
Personnel Services	513,653	717,344	722,924	761,000	38,076
4160 - Meals; Mileage & Uniform Allowances	6,562	6,200	6,200	6,588	388
4460 - Other Materials & Supplies	44,661	36,000	39,600	33,800	(5,800)
4470 - Parts and Accessories	92,529	120,400	110,000	212,400	102,400
4500 - Education and Training	383	4,800	9,600	4,800	(4,800)
4720 - Conference Travel & Expenses	0	1,000	1,500	1,800	300
4815 - Repair & Maint - Equipment	11,662	62,000	12,000	12,000	0
8050 - Equipment (under \$5,000)	33,966	92,400	72,700	66,300	(6,400)
Materials, Supplies and Services	189,762	322,800	251,600	337,688	86,088
E 1270 - General Plant & Equip (over \$5,000)	0	160,000	36,000	160,000	124,000
Equipment	0	160,000	36,000	160,000	124,000
Total District 1 Leeward West Section	703,415	1,200,144	1,010,524	1,258,688	248,164

Notes

Parts and Accessories increased because more major repairs are expected to be completed in that District.

The increase in the General Plant Equipment budget is for the purchase of valves for a granular activated carbon facility, which was not in the FY16 budget.

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WSO - Water System Operations

5612 - District 2 Central/Windward Section

Section's Activity

District 2 consists of the stations on the windward, central, and north shore areas of the island from Waimanalo to Kahuku to Mokuleia to Mililani. Granular activated carbon filtration plants are located at Waialua Wells; Haleiwa Wells; and Mililani Wells I and III.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	380,071	547,200	567,576	577,800	10,224
4120 - Overtime	90,312	96,000	132,000	110,000	(22,000)
4130 - Miscellaneous (Payroll)	0	12,000	12,000	6,000	(6,000)
Personnel Services	470,383	655,200	711,576	693,800	(17,776)
4160 - Meals; Mileage & Uniform Allowances	4,163	7,400	7,400	5,688	(1,712)
4460 - Other Materials & Supplies	27,345	44,800	44,800	40,000	(4,800)
4470 - Parts and Accessories	60,708	89,200	80,000	90,000	10,000
4500 - Education and Training	375	4,800	9,600	4,800	(4,800)
4720 - Conference Travel & Expenses	0	1,000	1,500	1,800	300
4815 - Repair & Maint - Equipment	4,636	232,000	68,000	62,000	(6,000)
8050 - Equipment (under \$5,000)	14,392	69,000	79,500	62,800	(16,700)
Materials, Supplies and Services	111,619	448,200	290,800	267,088	(23,712)
E 1270 - General Plant & Equip (over \$5,000)	0	0	10,000	0	(10,000)
Equipment	0	0	10,000	0	(10,000)
Total District 2 Central/Windward Section	582,002	1,103,400	1,012,376	960,888	(51,488)

Notes

Pumps - District 2 Central Winward Section

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WSO - Water System Operations

5613 - District 3 Metropolitan Section

Section's Activity

District 3 consists of the stations in Metropolitan Honolulu from Kalihi to Makapuu.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	296,070	548,112	564,540	580,000	15,460
4120 - Overtime	43,642	48,000	60,000	60,000	0
4130 - Miscellaneous (Payroll)	2,461	6,000	6,000	6,000	0
Personnel Services	342,174	602,112	630,540	646,000	15,460
4160 - Meals; Mileage & Uniform Allowances	1,796	3,300	3,300	3,396	96
4250 - Other Contractual Services	52	0	0	0	0
4430 - Miscellaneous Supplies	29	0	0	0	0
4460 - Other Materials & Supplies	25,270	37,100	17,900	17,900	0
4470 - Parts and Accessories	54,700	120,000	100,000	100,000	0
4500 - Education and Training	0	4,800	9,600	4,800	(4,800)
4720 - Conference Travel & Expenses	0	1,000	1,500	1,800	300
4815 - Repair & Maint - Equipment	28,787	27,000	27,000	27,000	0
8050 - Equipment (under \$5,000)	5,994	59,200	42,500	14,500	(28,000)
Materials, Supplies and Services	116,629	252,400	201,800	169,396	(32,404)
E 1270 - General Plant & Equip (over \$5,000)	0	10,000	50,000	25,000	(25,000)
Equipment	0	10,000	50,000	25,000	(25,000)
Total District 3 Metropolitan Section	458,802	864,512	882,340	840,396	(41,944)

Notes

Pumps - District 3 Metropolitan Section

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WSO - Water System Operations

5614 - District 4 Leeward East Section

Section's Activity

District 4 consists of the stations from Kalihi to Pearl City.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	396,271	550,056	568,512	580,000	11,488
4120 - Overtime	34,982	56,400	56,400	56,000	(400)
4130 - Miscellaneous (Payroll)	0	4,800	4,800	4,800	0
Personnel Services	431,253	611,256	629,712	640,800	11,088
4160 - Meals; Mileage & Uniform Allowances	2,025	5,600	5,600	4,616	(984)
4460 - Other Materials & Supplies	36,864	16,900	26,000	22,500	(3,500)
4470 - Parts and Accessories	108,799	60,000	74,000	74,000	0
4500 - Education and Training	775	4,800	9,600	4,800	(4,800)
4720 - Conference Travel & Expenses	0	1,000	1,500	1,800	300
4805 - Repair & Maint - Structures	5,733	0	0	0	0
4815 - Repair & Maint - Equipment	9,603	12,000	18,000	18,000	0
8050 - Equipment (under \$5,000)	27,580	52,000	56,100	53,300	(2,800)
Materials, Supplies and Services	191,380	152,300	190,800	179,016	(11,784)
1270 - General Plant & Equip (over \$5,000)	0	0	0	14,300	14,300
Equipment	0	0	0	14,300	14,300
Total District 4 Leeward East Section	622,633	763,556	820,512	834,116	13,604

Notes

Pumps - District 4 Leeward East Section

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WSO - Water System Operations

5615 - Control Center

Section's Activity

Operates the department's island-wide water system on a 24/7 basis. Is responsible for maintaining proper system pressure and levels to meet the needs of our customers. Due to its round-the-clock operation, the Control Center has the responsibility of being the point of contact for the public outside of BWS regular working hours.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	467,496	611,160	635,592	655,300	19,708
4120 - Overtime	122,045	110,000	110,000	120,000	10,000
4130 - Miscellaneous (Payroll)	0	4,000	4,000	4,000	0
Personnel Services	589,541	725,160	749,592	779,300	29,708
4160 - Meals; Mileage & Uniform Allowances	5,621	6,000	6,000	6,000	0
4460 - Other Materials & Supplies	60	0	0	0	0
4500 - Education and Training	320	4,800	9,600	4,800	(4,800)
4720 - Conference Travel & Expenses	0	1,000	1,500	1,800	300
8050 - Equipment (under \$5,000)	1,962	3,500	3,000	1,800	(1,200)
Materials, Supplies and Services	7,962	15,300	20,100	14,400	(5,700)
Total Control Center	597,504	740,460	769,692	793,700	24,008

Notes

Pumps - Control Center Unit

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WSO - Water System Operations

5616 - Technical Services

Section's Activity

The Pumps and Technical Services Section operates, maintains, repairs, and installs air conditioners, exhaust blowers, fans, and electrical power at Beretania and the five outlying base yards; and maintains flow tubes.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	515,082	483,180	801,893	989,100	187,207
4120 - Overtime	24,171	24,000	24,000	48,000	24,000
4130 - Miscellaneous (Payroll)	0	24,800	28,800	4,800	(24,000)
Personnel Services	539,253	531,980	854,693	1,041,900	187,207
4160 - Meals; Mileage & Uniform Allowances	1,112	2,600	2,600	2,496	(104)
4250 - Other Contractual Services	0	0	0	0	0
4460 - Other Materials & Supplies	19,727	24,000	60,000	12,000	(48,000)
4470 - Parts and Accessories	9,266	30,000	40,000	108,000	68,000
4500 - Education and Training	0	4,800	9,600	4,800	(4,800)
4720 - Conference Travel & Expenses	0	1,000	1,500	1,800	300
4805 - Repair & Maint - Structures	0	10,000	0	0	0
4815 - Repair & Maint - Equipment	5,223	54,000	54,000	54,000	0
8050 - Equipment (under \$5,000)	7,628	17,900	61,400	45,900	(15,500)
Materials, Supplies and Services	42,957	144,300	229,100	228,996	(104)
E 1270 - General Plant & Equip (over \$5,000)	0	0	55,000	80,000	25,000
Equipment	0	0	55,000	80,000	25,000
Total Technical Services	582,210	676,280	1,138,793	1,350,896	212,103

Notes

Parts and Accessories increased because the Technical Services section will be installing new instrumentation and new chlorination systems as part of an island wide modernization and standardization effort.

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WSO - Water System Operations

5620 - Telecommunications

Section's Activity

The Telecommunications Section plans, modifies, adapts, installs, operates, maintains and repairs telecommunications equipment used in radio, microwave, supervisory control and telemetry networks covering the water distribution and pumping systems of the department, and industrial electronic equipment used in the operation of electrical pumping plants and underground pipe locating devices; designs multi-function telemetry and supervisory control systems and mobile radio systems.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	246,745	546,414	623,748	573,200	(50,548)
4120 - Overtime	20,389	36,000	36,000	36,000	0
4130 - Miscellaneous (Payroll)	108	12,000	12,000	15,200	3,200
Personnel Services	267,241	594,414	671,748	624,400	(47,348)
4160 - Meals; Mileage & Uniform Allowances	918	2,000	2,000	2,040	40
4250 - Other Contractual Services	63,061	66,000	102,000	102,000	0
4460 - Other Materials & Supplies	13,062	12,000	12,000	14,000	2,000
4470 - Parts and Accessories	90,636	72,000	72,000	72,000	0
4500 - Education and Training	125	2,400	2,400	2,400	0
4670 - Telemetry	216,495	240,000	240,000	240,000	0
4720 - Conference Travel & Expenses	0	1,000	1,500	1,100	(400)
4815 - Repair & Maint - Equipment	9,110	24,000	24,000	24,000	0
4910 - Miscellaneous Fees & Registration	310	0	0	0	0
8050 - Equipment (under \$5,000)	356,757	356,000	343,000	343,050	50
Materials, Supplies and Services	750,474	775,400	798,900	800,590	1,690
1270 - General Plant & Equip (over \$5,000)	36,379	177,000	192,000	189,000	(3,000)
Equipment	36,379	177,000	192,000	189,000	(3,000)
Total Telecommunications	1,054,094	1,546,814	1,662,648	1,613,990	(48,658)

Notes

Telecommunications Branch

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WSO - Water System Operations

5660 - Automotive

Section's Activity

The Automotive Section operates the maintenance and repair shops; prepares plans and specifications for the purchase of vehicles and special construction equipment; maintains and repairs vehicles, construction and special equipment; disposes of retired fleet equipment; maintains and constructs special tools and equipment; conducts research work in the automotive field.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
DF 4610 - Electric Power - Water Distrib Fac	3,144	0	0	0	0
Departmental Fixed Charges	3,144	0	0	0	0
4110 - Salaries & Wages	1,015,999	1,209,512	1,279,250	1,274,700	(4,550)
4120 - Overtime	9,601	13,000	13,000	13,000	0
4130 - Miscellaneous (Payroll)	14,141	16,920	16,900	16,900	0
Personnel Services	1,039,741	1,239,432	1,309,150	1,304,600	(4,550)
M 4160 - Meals; Mileage & Uniform Allowances	582	1,800	1,800	1,800	0
4250 - Other Contractual Services	136,098	171,600	171,600	183,400	11,800
4251 - Software Licenses and Maintenance	0	0	0	3,800	3,800
4267 - Printed forms	0	100	100	100	0
4410 - Gasoline	849,075	990,000	990,000	910,000	(80,000)
4430 - Miscellaneous Supplies	933	1,200	1,200	1,200	0
4440 - Motor Vehicle Parts & Accessories	499,975	408,900	432,000	452,000	20,000
4460 - Other Materials & Supplies	75,058	88,800	88,800	94,900	6,100
4470 - Parts and Accessories	59,514	48,400	48,400	60,000	11,600
4500 - Education and Training	1,227	17,200	16,400	17,600	1,200
4720 - Conference Travel & Expenses	0	800	800	0	(800)
4805 - Repair & Maint - Structures	2,969	0	4,000	4,000	0
4815 - Repair & Maint - Equipment	102,572	73,800	73,800	80,000	6,200
4910 - Miscellaneous Fees & Registration	2,901	2,100	2,100	2,900	800
8050 - Equipment (under \$5,000)	25,020	16,300	12,300	6,300	(6,000)
Materials, Supplies and Services	1,755,923	1,821,000	1,843,300	1,818,000	(25,300)
1270 - General Plant & Equip (over \$5,000)	1,078,148	1,687,100	2,077,100	3,442,900	1,365,800
Equipment	1,078,148	1,687,100	2,077,100	3,442,900	1,365,800
Total Automotive	3,876,957	4,747,532	5,229,550	6,565,500	1,335,950

Notes

The increase in the general plant equipment budget is because there were 27 vehicles that were scheduled for replacement in FY2016 and there are 39 vehicles scheduled for replacement in FY2017. There are also three utility trucks, one bucket lift truck, and one pickup truck being proposed as new additions to the fleet in anticipation of a workforce expansion in FY2017.

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IT - Information Technology

Division/Office's Activity

The Information Technology Division designs, develops, maintains, and supports BWS databases; software systems; server workstation hardware and software; network telephone; and call center systems.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,510,819	3,230,546	3,525,392	3,285,400	(239,992)
4120 - Overtime	184,522	323,087	279,600	284,000	4,400
4130 - Miscellaneous (Payroll)	0	175,166	62,772	41,300	(21,472)
Personnel Services	2,695,341	3,728,799	3,867,764	3,610,700	(257,064)
4160 - Meals; Mileage & Uniform Allowances	428	15,540	3,600	3,600	0
4250 - Other Contractual Services	2,917,494	3,133,010	5,508,300	5,024,956	(483,344)
4251 - Software Licenses and Maintenance	1,443,910	1,733,212	1,813,350	2,476,866	663,516
4265 - Printing	0	0	5,000	0	(5,000)
4410 - Gasoline	0	0	0	0	0
4430 - Miscellaneous Supplies	2,750	7,700	6,500	5,600	(900)
4460 - Other Materials & Supplies	109,249	85,360	109,210	111,100	1,890
4470 - Parts and Accessories	26,716	5,000	13,200	10,400	(2,800)
4480 - Postage	999,517	1,180,208	1,120,800	1,000,000	(120,800)
4500 - Education and Training	96,400	131,220	139,400	277,450	138,050
4650 - Security Camera - Cable Line Services	81,523	60,396	0	0	0
4720 - Conference Travel & Expenses	21,480	56,315	57,115	85,915	28,800
4815 - Repair & Maint - Equipment	217,057	204,899	204,500	243,350	38,850
4910 - Miscellaneous Fees & Registration	516	0	200	500	300
8050 - Equipment (under \$5,000)	448,694	381,434	383,400	700,123	316,723
Materials, Supplies and Services	6,365,734	6,994,294	9,364,575	9,939,860	575,285
E 1270 - General Plant & Equip (over \$5,000)	324,696	730,998	414,900	420,000	5,100
Equipment	324,696	730,998	414,900	420,000	5,100
Total IT - Information Technology	9,385,771	11,454,091	13,647,239	13,970,560	323,321

Notes

Information Technology Division

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IT - Information Technology

5805 - IT Administration

Section's Activity

The Administration Section provides administrative support services for the Information Technology Division.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	297,955	330,704	398,852	407,700	8,848
Personnel Services	297,955	330,704	398,852	407,700	8,848
4250 - Other Contractual Services	290,188	300,000	150,000	250,000	100,000
4251 - Software Licenses and Maintenance	0	0	0	25,000	25,000
4430 - Miscellaneous Supplies	818	3,000	1,200	1,200	0
4460 - Other Materials & Supplies	9,857	0	3,600	3,600	0
4500 - Education and Training	30	1,600	1,600	16,800	15,200
4720 - Conference Travel & Expenses	11,521	14,465	14,465	31,715	17,250
4910 - Miscellaneous Fees & Registration	470	0	200	500	300
8050 - Equipment (under \$5,000)	356	0	15,000	0	(15,000)
Materials, Supplies and Services	313,240	319,065	186,065	328,815	142,750
Total IT Administration	611,195	649,769	584,917	736,515	151,598

Notes

Other Contractual Services increased from FY 2016 by \$100,000 due to the expected need for consultant services to assist ITD with the development of a BiModal operating capability, utilizing Agile concepts to increase product and service delivery times with a higher level of customer satisfaction.

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IT - Information Technology

5820 - Application Systems Development

Section's Activity

The Application Systems Development Section is responsible for providing computer services in all commercial and business applications for the department including the customer information system, water and sewer billings, payroll, accounts payable and cost accounting systems.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	649,156	906,768	978,804	958,200	(20,604)
4120 - Overtime	136,419	273,488	222,000	222,000	0
4130 - Miscellaneous (Payroll)	0	115,914	42,000	24,000	(18,000)
Personnel Services	785,575	1,296,170	1,242,804	1,204,200	(38,604)
4160 - Meals; Mileage & Uniform Allowances	131	15,540	3,600	3,600	0
4250 - Other Contractual Services	197,317	200,000	3,000,800	2,400,800	(600,000)
4251 - Software Licenses and Maintenance	706,611	893,100	980,700	1,056,400	75,700
4430 - Miscellaneous Supplies	152	1,200	1,200	1,200	0
4460 - Other Materials & Supplies	622	0	0	0	0
4500 - Education and Training	22,530	60,120	60,000	188,300	128,300
4720 - Conference Travel & Expenses	0	15,100	15,900	15,900	0
Materials, Supplies and Services	927,363	1,185,060	4,062,200	3,666,200	(396,000)
Total Application Systems Development	1,712,937	2,481,230	5,305,004	4,870,400	(434,604)

Notes

Other Contractual Services decreased from FY 2016 by \$600,000 due to the stabilization of the enterprise systems and anticipated hiring of vacant positions. IT Applications is transitioning to manage most support and operational needs internally and utilizing Contract Services for higher level subject matter expertise requirements.

Education and Training increased by \$128,300 with the approval of four (4) permanent positions and anticipated hiring of vacant positions. Technical and software specific training have also been identified for all levels of staffing.

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IT - Information Technology

5835 - Technical Engineering Projects

Section's Activity

The Communications Support Section plans, designs, installs, implements, manages, maintains and supports Board of Water Supply (BWS) voice and data communication systems, the BWS SCADA system and the BWS security camera systems.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	573,779	654,990	681,960	802,700	120,740
4120 - Overtime	2,135	9,600	3,600	4,000	400
4130 - Miscellaneous (Payroll)	0	21,272	20,772	17,300	(3,472)
Personnel Services	575,914	685,862	706,332	824,000	117,668
4160 - Meals; Mileage & Uniform Allowances	0	0	0	0	0
4250 - Other Contractual Services	431,236	474,000	550,000	550,000	0
4251 - Software Licenses and Maintenance	140,238	178,750	233,550	251,600	18,050
4265 - Printing	0	0	5,000	0	(5,000)
4430 - Miscellaneous Supplies	205	500	500	500	0
4460 - Other Materials & Supplies	1,126	410	1,210	1,200	(10)
4480 - Postage	524	200	0	0	0
4500 - Education and Training	7,266	6,500	8,500	15,000	6,500
4720 - Conference Travel & Expenses	7,891	26,750	26,750	26,800	50
4815 - Repair & Maint - Equipment	408	800	6,800	4,100	(2,700)
8050 - Equipment (under \$5,000)	0	8,300	7,100	3,300	(3,800)
Materials, Supplies and Services	588,896	696,210	839,410	852,500	13,090
E 1270 - General Plant & Equip (over \$5,000)	0	11,000	0	10,000	10,000
Equipment	0	11,000	0	10,000	10,000
Total Technical Engineering Projects	1,164,810	1,393,072	1,545,742	1,686,500	140,758

Notes

Technical Engineering Projects Branch

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IT - Information Technology

5830 - Operations Support

Section's Activity

The Operations Support Section is responsible for planning, scheduling, administrating and coordinating the department's computer services operations (machine processing).

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	989,929	1,338,084	1,465,776	1,116,800	(348,976)
4120 - Overtime	45,968	39,999	54,000	58,000	4,000
4130 - Miscellaneous (Payroll)	0	37,980	0	0	0
Personnel Services	1,035,897	1,416,063	1,519,776	1,174,800	(344,976)
4160 - Meals; Mileage & Uniform Allowances	297	0	0	0	0
4250 - Other Contractual Services	1,998,754	2,159,010	1,807,500	1,824,156	16,656
4251 - Software Licenses and Maintenance	597,061	661,362	599,100	1,143,866	544,766
4410 - Gasoline	0	0	0	0	0
4430 - Miscellaneous Supplies	1,574	3,000	3,600	2,700	(900)
4460 - Other Materials & Supplies	97,643	84,950	104,400	106,300	1,900
4470 - Parts and Accessories	26,716	5,000	13,200	10,400	(2,800)
4480 - Postage	998,993	1,180,008	1,120,800	1,000,000	(120,800)
4500 - Education and Training	66,574	63,000	69,300	57,350	(11,950)
4650 - Security Camera - Cable Line Services	81,523	60,396	0	0	0
4720 - Conference Travel & Expenses	2,068	0	0	11,500	11,500
4815 - Repair & Maint - Equipment	216,649	204,099	197,700	239,250	41,550
4910 - Miscellaneous Fees & Registration	46	0	0	0	0
8050 - Equipment (under \$5,000)	448,338	373,134	361,300	696,823	335,523
Materials, Supplies and Services	4,536,236	4,793,959	4,276,900	5,092,345	815,445
1270 - General Plant & Equip (over \$5,000)	324,696	719,998	414,900	410,000	(4,900)
Equipment	324,696	719,998	414,900	410,000	(4,900)
Total Operations Support	5,896,829	6,930,020	6,211,576	6,677,145	465,569

Notes

Software Licenses and Maintenance increased by \$544,766 due to Microsoft Support costs for Project Management (Project Web Access) software; VMware software licensing for NSX and vRealize, which will bring security visibility/awareness into our virtualization server farm; System management software and external website services.

Equipment (under \$5,000) increased by \$335,523 due to requests from the Divisions for larger monitors, faster computers and equipment to accommodate anticipated new hires; the expansion of WiFi access throughout the PSB, and selective areas at Base Yards; the replacement of Wireless Microwave equipment that is out of support; and the replacement notebooks to accommodate the recurring equipment refresh cycle.

The reduction of \$120,800 in Postage from FY 2016 is to reflect actual expenditures.

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FIN - Finance

Division/Office's Activity

The Finance Division is responsible for controlling and directing the financial accounting activities of the department. Activities include conducting financial studies; administering long-term bonded debt programs and bond sales; assisting in controlling budgeted expenditures; and administering the general accounting systems including cost accounting, payroll, leave records, and accounts payable.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,100,757	2,778,128	2,661,888	2,770,200	108,312
4120 - Overtime	135,625	274,326	271,900	279,600	7,700
4130 - Miscellaneous (Payroll)	24,275	35,000	40,821	148,300	107,479
Personnel Services	2,260,657	3,087,454	2,974,609	3,198,100	223,491
4160 - Meals; Mileage & Uniform Allowances	9,883	8,900	7,500	11,600	4,100
4220 - Collection Fees	495	0	0	0	0
4250 - Other Contractual Services	155,560	14,400	7,000	41,000	34,000
4260 - Advertising & Publication of Notices	0	1,200	1,000	1,000	0
4267 - Printed forms	3,902	4,300	4,000	0	(4,000)
4270 - Professional Services	958,703	1,224,900	1,189,800	1,409,500	219,700
4410 - Gasoline	0	0	0	0	0
4430 - Miscellaneous Supplies	10,764	17,000	7,500	10,000	2,500
4460 - Other Materials & Supplies	12,194	6,000	4,000	6,000	2,000
4480 - Postage	13,758	20,000	17,000	17,000	0
4500 - Education and Training	4,434	18,000	12,250	13,200	950
4720 - Conference Travel & Expenses	3,154	0	3,200	8,900	5,700
4815 - Repair & Maint - Equipment	3,111	13,500	2,500	4,000	1,500
4910 - Miscellaneous Fees & Registration	15,056	3,000	4,000	4,200	200
4915 - Miscellaneous Financial Expenses	4,243,970	855,600	1,276,500	1,340,000	63,500
8050 - Equipment (under \$5,000)	5,657	16,000	29,450	28,300	(1,150)
Materials, Supplies and Services	5,440,640	2,202,800	2,565,700	2,894,700	329,000
1270 - General Plant & Equip (over \$5,000)	35,000	85,000	35,000	107,600	72,600
Equipment	35,000	85,000	35,000	107,600	72,600
Total FIN - Finance	7,736,297	5,375,254	5,575,309	6,200,400	625,091

Notes

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FIN - Finance

5900 - Finance Administration

Section's Activity

Develop, provide and manage budget, financial and administrative support services to all levels of the department.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	392,606	264,276	326,100	325,200	(900)
4120 - Overtime	175	1,000	0	100	100
Personnel Services	392,782	265,276	326,100	325,300	(800)
M 4250 - Other Contractual Services	147,169	2,400	1,000	5,000	4,000
4260 - Advertising & Publication of Notices	0	1,200	1,000	1,000	0
4267 - Printed forms	0	1,800	0	0	0
4270 - Professional Services	145,981	165,400	331,800	664,500	332,700
4430 - Miscellaneous Supplies	8,984	14,400	6,000	9,000	3,000
4460 - Other Materials & Supplies	18	0	0	0	0
4480 - Postage	9	0	2,000	2,000	0
4500 - Education and Training	3,740	12,000	2,000	3,200	1,200
4720 - Conference Travel & Expenses	3,154	0	3,200	8,900	5,700
4815 - Repair & Maint - Equipment	487	3,000	1,000	1,000	0
4910 - Miscellaneous Fees & Registration	6,170	2,700	4,000	4,200	200
4915 - Miscellaneous Financial Expenses	815,730	0	0	0	0
8050 - Equipment (under \$5,000)	0	6,500	1,000	1,000	0
Materials, Supplies and Services	1,131,442	209,400	353,000	699,800	346,800
Total Finance Administration	1,524,223	474,676	679,100	1,025,100	346,000

Notes

The increase to Professional Services is for a consultant to analyze and develop a multi-division process for State Revolving Fund (SRF) programmatic financing and a peer review of the rate study that will begin in FY 2017.

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FIN - Finance

5910 - Treasury

Section's Activity

The Treasury Section administers and manages the long term bonded debt and federal loan programs; obtains other long term and short term financing as necessary; manages the department's cash flows; and administers and oversees the management of the department's investment program.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	92,403	138,240	149,712	231,600	81,888
4120 - Overtime	12,597	5,326	10,800	10,800	0
Personnel Services	105,000	143,566	160,512	242,400	81,888
M 4160 - Meals; Mileage & Uniform Allowances	410	500	500	500	0
4270 - Professional Services	812,722	1,059,500	858,000	745,000	(113,000)
4430 - Miscellaneous Supplies	0	100	0	0	0
4910 - Miscellaneous Fees & Registration	0	300	0	0	0
4915 - Miscellaneous Financial Expenses	3,428,240	855,600	1,255,000	1,340,000	85,000
8050 - Equipment (under \$5,000)	0	2,250	0	0	0
Materials, Supplies and Services	4,241,372	1,918,250	2,113,500	2,085,500	(28,000)
Total Treasury	4,346,371	2,061,816	2,274,012	2,327,900	53,888

Notes

The decrease to Professional Services is due to a one-time charge for arbitrage services and a decrease of 10 basis points for investment advisory services.

The increase to Miscellaneous Financial Expenses is cover the administration fee on Drinking Water State Revolving Funds loans. BWS expects to increase utilization of this financing method for water infrastructure in the coming years.

**Board of Water Supply
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FIN - Finance

5915 - Rev

Section's Activity

The Revenue and Customer Accounting Section conducts the department's billing operations and related functions which include meter reading, Pre-auditing of consumer accounts, part-rate billing, maintaining consumer records, maintaining accounts receivable and keeping special fund accounts; maintains revenue accounting and statistical reports.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,026,370	1,478,460	1,279,524	1,327,900	48,376
4120 - Overtime	120,104	245,000	245,000	245,000	0
4130 - Miscellaneous (Payroll)	20,210	35,000	15,988	51,700	35,712
Personnel Services	1,166,684	1,758,460	1,540,512	1,624,600	84,088
4160 - Meals; Mileage & Uniform Allowances	9,319	7,200	6,000	11,000	5,000
4250 - Other Contractual Services	8,391	12,000	6,000	36,000	30,000
4410 - Gasoline	0	0	0	0	0
4430 - Miscellaneous Supplies	304	2,000	1,000	1,000	0
4460 - Other Materials & Supplies	5,644	6,000	4,000	4,000	0
4480 - Postage	13,748	20,000	15,000	15,000	0
4500 - Education and Training	0	5,000	1,000	1,000	0
4815 - Repair & Maint - Equipment	2,054	10,000	1,000	3,000	2,000
8050 - Equipment (under \$5,000)	1,470	3,250	23,500	22,500	(1,000)
Materials, Supplies and Services	40,930	65,450	57,500	93,500	36,000
E 1270 - General Plant & Equip (over \$5,000)	35,000	85,000	35,000	107,600	72,600
Equipment	35,000	85,000	35,000	107,600	72,600
Total Rev	1,242,614	1,908,910	1,633,012	1,825,700	192,688

Notes

Increase to General Plant and Equipment (over \$5,000) is to replace meter reader handheld devices, four laptops, modular furniture and VGB units for expansion of the pilot program.

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FIN - Finance

5930 - General Accounting

Section's Activity

The General Accounting Section directs and coordinates the development, functional effectiveness and maintenance of accounting systems, records, procedures and reports to ensure the acquisition of valid and consistent data for use in planning and budgeting, performance control and evaluation, managerial decisions and reporting requirements; prepares monthly financial and statistical reports and studies; prepares payrolls and maintains leave records; audits and processes disbursement vouchers; maintains all property records and depreciation schedules; coordinates annual physical inventory of utility plant and prepares annual listing as required by City Charter; prepares and analyzes special reports and studies.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	475,709	568,572	641,160	617,200	(23,960)
4120 - Overtime	2,746	23,000	16,100	20,700	4,600
4130 - Miscellaneous (Payroll)	4,065	0	24,833	96,600	71,767
Personnel Services	482,520	591,572	682,093	734,500	52,407
4160 - Meals; Mileage & Uniform Allowances	154	1,200	1,000	100	(900)
4220 - Collection Fees	495	0	0	0	0
4250 - Other Contractual Services	0	0	0	0	0
4267 - Printed forms	3,902	2,500	4,000	0	(4,000)
4430 - Miscellaneous Supplies	1,477	500	500	0	(500)
4460 - Other Materials & Supplies	24	0	0	0	0
4500 - Education and Training	694	1,000	1,000	1,000	0
4815 - Repair & Maint - Equipment	570	500	500	0	(500)
4910 - Miscellaneous Fees & Registration	1,534	0	0	0	0
4915 - Miscellaneous Financial Expenses	0	0	21,500	0	(21,500)
8050 - Equipment (under \$5,000)	3,669	1,000	4,950	4,800	(150)
Materials, Supplies and Services	12,518	6,700	33,450	5,900	(27,550)
Total General Accounting	495,038	598,272	715,543	740,400	24,857

Notes

No significant changes to the budget.

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FIN - Finance

5940 - Fiscal Services

Section's Activity

The Fiscal Services Branch is responsible for reporting on budgetary, encumbrance and financial activities within the department. This branch records and reconciles all contract and claims encumbrances with the City annually at fiscal year-end; controls, edits and monitors reports on encumbrances extensions, insufficient funds and accounts payable; Fiscal Services maintains and coordinates an on-line vendor table (data file) for approximately 50,000 vendors for field and central use. This branch assigns vendor codes for all payment documents for timely and accurate payment processing. The administration of the purchasing card program for the procurement of goods and services is also a part of this branch's responsibilities. Fiscal Services designs hard copy and electronic encumbrance liquidation and payment forms for departmental use and submittal to Accounts Payable.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	113,669	284,820	209,628	202,600	(7,028)
4120 - Overtime	3	0	0	1,500	1,500
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	113,672	284,820	209,628	204,100	(5,528)
4460 - Other Materials & Supplies	6,508	0	0	2,000	2,000
4910 - Miscellaneous Fees & Registration	7,352	0	0	0	0
8050 - Equipment (under \$5,000)	518	3,000	0	0	0
Materials, Supplies and Services	14,378	3,000	0	2,000	2,000
Total Fiscal Services	128,051	287,820	209,628	206,100	(3,528)

Notes

No significant changes to the budget.

**Board of Water Supply
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FIN - Finance

5950 - Systems Accounting

Section's Activity

This System Accounting section is responsible for the planning, coordination, modification and administration of the financial management system for the BWS. This section spearheads initiatives and projects to troubleshoot the organization's financial systems.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
PS 4110 - Salaries & Wages	0	43,760	55,764	65,700	9,936
4120 - Overtime	0	0	0	1,500	1,500
Personnel Services	0	43,760	55,764	67,200	11,436
M 4500 - Education and Training	0	0	8,250	8,000	(250)
Materials, Supplies and Services	0	0	8,250	8,000	(250)
Total Systems Accounting	0	43,760	64,014	75,200	11,186

Notes

No significant changes to the budget.

**Board of Water Supply
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FC - Fixed Charges and Debt Service

Section's Activity

The activity represents fixed charges and non-divisional expenditures of a general nature not related to any divisional budget.

Account	FY2015 Actual	FY2015 Adopted Budget	FY2016 Adopted Budget	FY2017 Proposed Budget	Change
DS 1810 - Bonds Payable	10,354,629	10,516,000	13,288,000	29,252,000	15,964,000
7071 - Bond Interest	7,671,005	12,689,000	10,023,000	9,613,000	(410,000)
Debt Services	18,025,634	23,205,000	23,311,000	38,865,000	15,554,000
DF 4610 - Electric Power - Water Distrib Fac	24,800,993	31,000,000	30,000,000	28,500,000	(1,500,000)
4620 - Electricity	1,477,519	1,700,000	1,700,000	1,614,000	(86,000)
4660 - Wastewater Service Charges	102,306	112,800	112,800	112,800	0
5600 - Central Admin Service Exp (CASE) Fees	3,300,000	3,300,000	3,300,000	3,300,000	0
6010 - Employee Retirement Sys (ERS)	5,483,748	5,208,000	5,700,000	6,000,000	300,000
6020 - FICA Contributions	2,440,666	2,400,000	2,760,000	2,700,000	(60,000)
6100 - Health Benefits - Employees	2,872,753	2,904,000	3,000,000	3,336,000	336,000
6200 - Health Benefits - Retirees	4,850,399	5,720,000	5,712,000	6,300,000	588,000
6250 - Other Post-Emplymnt Ben (OPEB)	5,900,000	5,900,000	6,400,000	6,000,000	(400,000)
6320 - Unemployment Insurance Benefits	108,422	55,000	55,000	55,200	200
Departmental Fixed Charges	51,336,805	58,299,800	58,739,800	57,918,000	(821,800)
Total Fixed Charges and Debt Service	69,362,439	81,504,800	82,050,800	96,783,000	14,732,200

Notes

Fixed Charges and Debt Service

Board of Water Supply
Capital Improvement Program Budget
FY 2017

Summary by Categories	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
I. Research and Development	3,000,000	-	-	350,000	3,350,000
II. Renewal and Replacement					
A. Pumps	6,220,000	-	-	-	6,220,000
B. Reservoirs	500,000	-	-	-	500,000
C. Pipelines	18,813,000	-	-	82,000	18,895,000
D. Treatment	1,350,000	-	-	-	1,350,000
E. Facilities	11,275,000	-	-	-	11,275,000
Category II - Sub-Total	38,158,000	-	-	82,000	38,240,000
II A. Renewal and Replacement - SRF Eligible					
A. Pumps	-	19,875,000	-	-	19,875,000
B. Reservoirs	-	-	-	-	-
C. Pipelines	-	-	-	-	-
D. Treatment	-	-	-	-	-
E. Facilities	-	-	-	3,235,000	3,235,000
Category II A - Sub-Total	-	19,875,000	-	3,235,000	23,110,000
Category II - Total	38,158,000	19,875,000	-	3,317,000	61,350,000
III. Capacity Expansion					
A. Pumps	-	-	-	-	-
B. Reservoirs	-	-	1,150,000	-	1,150,000
C. Pipelines	-	-	1,210,000	-	1,210,000
D. Treatment	-	-	-	-	-
E. Facilities	375,000	-	-	-	375,000
Category III - Total	375,000	-	2,360,000	-	2,735,000
Total - Categories I - III	41,533,000	19,875,000	2,360,000	3,667,000	67,435,000
Construction Cost Index Adjustment Account	3,001,300	1,987,500	-	366,700	5,355,500
Contract Adjustment Account	8,000,000	-	-	-	8,000,000
FY 2017 Capital Improvement Program Budget	52,534,300	21,862,500	2,360,000	4,033,700	80,790,500

Board of Water Supply
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FY 2017

Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
<u>I. Research and Development</u>								
1.	Red Hill Groundwater Monitoring Wells, Phasell	Construct four (4) monitor wells around the Navy Red Hill Underground Fuel Storage Facility to monitor the movement of fuel constituents toward BWS drinking water wells and provide hydrologic data for groundwater modeling	Const	2,000,000	-	-	-	2,000,000
2.	Hauula Well Replacement	Drill and case replacement exploratory well at existing Hauula Wells Station (TMK: 5-4-015:030)	Const	-	-	-	350,000	350,000
3.	Construction Management For Various BWS Construction Projects	Provide construction management and training services for selected BWS construction projects	P&E	500,000	-	-	-	500,000
4.	Waikele Gulch Exploratory Well	Survey, videolog, clean and clear, test pump and sample well	P&E	250,000	-	-	-	250,000
5.	Manoa Learning Center	Prepare Boundary Survey, Environmental Assessment and obtain Conservation District Use Permit (CDUP)	P&E	250,000	-	-	-	250,000
Total Category I - Research and Development				3,000,000	-	-	350,000	3,350,000

II. Renewal and Replacement

A. Pumps

6.	Mililani Wells I – Replacement of Pumping Units	Replace pumping units and associated piping and valves. Demolish existing mute structures. Complete replacement of motor control center and related electrical components. Replace chlorination system.	Const	2,500,000	-	-	-	2,500,000
7.	Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	Const	1,200,000	-	-	-	1,200,000
8.	Waialae Iki Booster No.1 Relocation	Relocate booster station to the Waialae Iki 180 Reservoir site.	P&E	650,000	-	-	-	650,000
9.	Makaha Shaft Renovation	Complete replacement of all components for the Makaha Shaft Pump Station	P&E	750,000	-	-	-	750,000
10.	Waihee Tunnel and Inclined Wells Chlorinator	Renovate the existing motor control building for the inactive Waihee Wells I converting it to a chlorinator and telecommunications building.	P&E	370,000	-	-	-	370,000
11.	Waipahu Wells I Renovation	Replace GAC backwash systems, pumping units, MCC, Chlorination System, and miscellaneous work.	P&E	650,000	-	-	-	650,000
12.	Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	P&E	100,000	-	-	-	100,000
Pumps Total				6,220,000	-	-	-	6,220,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
B. Reservoirs								
13.	Kapaa 272 Reservoir Replacement	Replace the existing 2.0 MG reservoir and appurtenances.	P&E	500,000	-	-	-	500,000
Reservoirs Total				500,000	-	-	-	500,000
C. Pipelines								
14.	Aiea Kai Place and Way 8-Inch Mains	Install 8-inch mains and appurtenances along Aiea Kai Place, from Kamehameha Highway to end, and along Aiea Kai Way, from Aiea Kai Place to end - approx. 1,260 lin. ft.	Const	1,800,000	-	-	-	1,800,000
15.	Manoa Estates Water System Improvements	Install 12-inch mains and appurtenances along Kumu Street, from Kumulani Street to Oahu Avenue; along Oahu Avenue, from Kumu Street to Manoa Road; and along Pawaina Street, from Manoa Road to Pinao Street - approx. 3,700 lin. ft. Install 4-inch mains and appurtenance along Manoa Estates Road, from FH M06169 to the last service - approx. 450 lin. ft. Abandon approx. 700 lin. ft. of cross-country main.	Const	3,080,000	-	-	-	3,080,000
16.	Wilhelmina Rise Water System Improvements, Part V	Install 12-inch mains and appurtenances along Sierra Drive, from 150 feet east of FH M04010 to Maunalani Circle, and along Maunalani Circle (west), from Sierra Drive to Wilhelmina Rise 1100 Reservoir entrance - approx. 2,550 lin. ft. Install 8-inch mains and appurtenances along Maunalani Circle (east), from Sierra Drive to Wilhelmina Rise 1100 Reservoir entrance - approx. 1,000 lin. ft. Install 8- and 4-inch mains and appurtenance along Halehoola Place, from Sierra Drive to end, and along Mana Place, from Maunalani Circle to end - approx. 1,000 lin. ft.	Const	3,325,000	-	-	-	3,325,000
17.	Niumalu Loop And Kukii Street 8-Inch Main	Install 8-inch mains and appurtenances along Niumalu Loop, from Kamilo Street to Kamilo Street, and along Kukii Street, from Kamilo Street to Niumalu Loop - approx. 2,755 lin. ft.	Const	2,000,000	-	-	-	2,000,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
18.	Wahiawa Water System Improvements, Part III	Install 8-inch mains and appurtenances along Uluwehi Street, from California Avenue to Walea Street; along Uluwehi Place, from Walea Street to end; along Hoolulu Road, from Uluwehi Street to Hoomaha Street; along Walea Street, from Uluwehi Street to Walea Uka Place; along Hoomaha Street, from California Avenue to Walea Street; and along Walea Uka Place, from Walea Street to end - approx. 4,620 lin. ft. Install 2-inch mains and appurtenances along Hoolulu Road extension, from Hoomaha Street to end - approx. 140 lin. ft.	Const	2,900,000	-	-	-	2,900,000
19.	Hui Ulili Street: 12-Inch and 8-Inch Mains	Install 12-inch and 8-inch mains and appurtenances along Hui Ulili Street, from Hui Kelu Street to Hui Oi Street - approx. 2,750 lin. ft.	Const	1,700,000	-	-	-	1,700,000
20.	Fire Hydrant Installations at Various Locations	Fire hydrant installations at various locations.	Const	368,000	-	-	82,000	450,000
21.	Water Main Installation & Replacement	Install and replace water mains at various locations.	Const	100,000	-	-	-	100,000
22.	Diamond Head Water System Improvements, Part III and 7th Avenue Main Relocation	Install 12-inch mains and appurtenances along Puu Panini Avenue, from 22nd Avenue to Palekaua Street; along Palekaua Street, from Puu Panini Avenue to Hakaka Street; and along 7th Avenue near the Waialae Avenue intersection - approx. 1,100 lin. ft. Install 8 and 4-inch mains and appurtenances along Palekaua Place, from Palekaua Street to end - approx. 225 lin. ft.	P&E	130,000	-	-	-	130,000
23.	Barbers Point 215 Water System Improvements	Install 30-Inch main and appurtenances along the Barbers Point 215 facility access road, from Old Farrington Highway to Reservoir No. 1 - approx. 300 lin. ft. Install new drainline along the flowage easement to facilitate the draining of the reservoirs	P&E	150,000	-	-	-	150,000
24.	Apio Lane 8-Inch Main	Install 8-inch mains and appurtenances along Apio Lane, from Kekau Place to end - approx. 520 lin. ft.	P&E	75,000	-	-	-	75,000
25.	Kailua Road 8-Inch Main	Install 8-inch and 2-inch mains and appurtenances along 1005 Kailua Road, from Kailua Road to end - approx. 720 lin. ft.	P&E	90,000	-	-	-	90,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
26.	Kalama Valley Water System Improvements, Part II	Install 12-inch mains and appurtenances along Kealahou Street, from 661 Kealahou Street to Papalalo Place - approx. 2,305 lin. ft. Install 8-inch mains and appurtenances along Wawau Street, from Honokahua Street to Kaeleku Street; along Honokahua Street, from Kaeleku Street to end; along Kealahou Street, from Papalalo Place to end; along Nakalele Street, from Kealahou Street to Pihana Street; along Pihana Street, from 45 feet north of FH M6514 to end; and along Ipuai Street, from Kealahou Street to Honokahua Street - approx. 4,135 lin. ft. Install 8- and 4-inch mains and appurtenance along Kalina Place, from Kealahou Street to end; along Maloo Place, from Honokahua Street to end; along Ohina Place, from Honokahua Street to end; along Honokahua Place, from Honokahua Street to end; along Kiaala Place, from Kealahou Street to end; and along Papalalo Place, from Kealahou Street to end - approx. 2,040 lin. ft.	P&E	630,000	-	-	-	630,000
27.	Monsarrat Avenue Water System Improvements	Install 16-inch mains and appurtenance along Monsarrat Avenue, from 225 feet west of Paki Avenue to Campbell Avenue, and along Campbell Avenue, from Monsarrat Avenue to Kaunaoa Avenue - approx. 2,030 lin. ft. Install 12-inch mains and appurtenances along Campbell Avenue, from Monsarrat Avenue to Kaunaoa Avenue - approx. 310 lin. ft. Install 8-inch mains and appurtenances along Monsarrat Avenue, from Paki Avenue to Campbell Avenue, and along Kanaina Avenue, from Monsarrat Avenue to Kaunaoa Avenue - approx. 1,740 lin. ft.	P&E	300,000	-	-	-	300,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
28.	Lanikai Water System Improvements, Part II	Install 12-inch mains and appurtenances along Kalaheo Avenue, from TMK 4-3-011:017 to Lihikai Road; along Lihikai Road, from Kalaheo Avenue to Kawailoa Road; and along Kawailoa Road, from Lihikai Road to Popoia Road - approx. 1,180 lin. ft. Install 8-inch mains and appurtenances along Kawailoa Road, from Alala Road to end; along Alala Road, from Kawailoa Road to FH W02578; and along Mokolea Drive, from Aalapapa Drive to TMK 4-3-004:018 - approx. 1,485 lin. ft.	P&E	250,000	-	-	-	250,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
29.	Wahiawa Water System Improvements, Part IV	Install 16-inch mains and appurtenances along Nichols Street, from Glen Avenue to Eames Street, and along Eames Street, from Uuku Street to Nichols Street - approx. 1,620 lin. ft. Install 8-inch mains and appurtenances along Lehua Street, from Kilani Avenue to end; along Koa Street, from Kilani Avenue to Auwai Drive; along Eames Street, from Nichols Street to 1735 Eames Street; along Eames Street, from Glen Avenue to 1746 Eames Street; along Glen Avenue, from Eames Street to Glenview Place; along Royal Palm Drive, from Nichols Street to Glen Avenue; along Turner Street, from Royal Palm Drive to Eames Street; along Glenview Place, from Glen Avenue to end; along Wonderview Place, from Glenview Place to end; along Kanoelehua Place, from Glen Avenue to end; along Hakuone Street, from Hakuone Place to end; along Hakuone Place, from Hakuone Street to end; along Hill Drive, from California Avenue to Puu Place; along Puu Place, from Nakeke Place to end; along Leilehua Road, from 90 feet south of FH C00722 to end; along Leimomi Place, from Leilehua Road to 37A Leilehua Road; along Alai Place, from Leilehua Road to end; along Laniloa Place, from Leilehua Road to end; along Lena Place, from Laniloa Place to end; along Mie Place, from Laniloa Place to end; along side road north of FH C00216, from Glen Avenue to end; along side road south of FH C00380, from Glen Avenue to end; along side road north of FH C00217, from Glen Avenue to end; and along side road north of FH C00329, from Lakeview Circle to end - approx. 14,570 lin. ft.	P&E	1,000,000	-	-	-	1,000,000
30.	Akanoho Place 8-Inch Main	Install 8-Inch mains and appurtenances along Akanoho Place, from Maulukua Road to end - approx. 2,865 lin. ft.	P&E	240,000	-	-	-	240,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
31.	Lunalilo Home Road Water System Improvements	Install 12-inch mains and appurtenances along Lunalilo Home Road, from Kalapaki Street to Kaiama Place, and Kalapaki Street, from Lunalilo Home Road to existing cross-country main - approx. 3,070 lin. ft. Install 8-inch mains and appurtenances along Lunalilo Home Road, from Kaiama Place to Kolokolo Place; along Kolokolo Street, from Kolokolo Place to Lunalilo Home Road; and along Kolokolo Place, from Kolokolo Street to end - approx. 3,560 lin. ft.	P&E	500,000	-	-	-	500,000
32.	Waihee Road Water System Improvements	Install 8 and 4-inch mains and appurtenances along Waihee Road, from FH W01673 to end - approx. 300 lin. ft. Transfer approx. fifteen (15) services to the Waihee 265 system.	P&E	75,000	-	-	-	75,000
33.	Water Main Installation & Replacement	Install and replace water mains at various locations.	P&E	100,000	-	-	-	100,000
Pipelines Total				18,813,000	-	-	82,000	18,895,000
D. Treatment								
34.	GAC Facility Improvements	Install improvements at select granular activated carbon (GAC) facilities to extend use of existing systems	Const	500,000	-	-	-	500,000
35.	Mililani Wells I GAC Renovation	Install four (4) new GAC units and replace the existing twelve (12) GAC units.	P&E	600,000	-	-	-	600,000
36.	Kalaeloa Seawater Desalination Facility	Develop RFP for Design-build-operate (DBO) contract for a 1.0 MGD desalination plant	P&E	150,000	-	-	-	150,000
37.	GAC Facility Improvements	Install improvements at select GAC facilities to extend use of existing systems	P&E	100,000	-	-	-	100,000
Treatment Total				1,350,000	-	-	-	1,350,000
E. Facilities								
38.	Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	Const	1,500,000	-	-	-	1,500,000
39.	Security Fencing at Various Locations	Install expanded metal fencing at selected BWS facilities.	Const	600,000	-	-	-	600,000
40.	Nuuanu Reservoir No. 4 Dam Improvements	Rehabilitate reservoir intake structure, embankment restoration, access road repaving, and suspension bridge repairs.	Const	4,000,000	-	-	-	4,000,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
41.	Kronos Enhancements	Implement HRO and Payroll requirements identified in the Kronos Gap Analysis to address regulatory and operational requirements.	Const	250,000	-	-	-	250,000
42.	Manana Corporation Yard Improvements	Roof repair, roof coating and gutter replacement at various buildings. Structural repairs and new roof for the warehouse.	Const	1,815,000	-	-	-	1,815,000
43.	Nalu Enhancement	Modify/Enhance financial accounting system software to address functional requirement for Finance, Procurement, etc., as was previously identified during the JDE Upgrade project.	P&E	1,640,000	-	-	-	1,640,000
44.	Piliuka PRV Replacement	Replace and relocate pressure-reducing valves, along Waianae Valley Road near FH L06812, to aboveground within new building. Restore power, communications and supervisory controls	P&E	200,000	-	-	-	200,000
45.	Security Improvements at Various Locations	Security improvements for fencing, doors and windows, concrete footings and pads, structures to protect external equipment, and vegetation setbacks and control at various BWS locations.	P&E	200,000	-	-	-	200,000
46.	Professional Services for BWS Projects	Obtain services of archaeologists, botanists, environmental engineers, water quality labs, planners, government agencies and others.	P&E	300,000	-	-	-	300,000
47.	Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	P&E	400,000	-	-	-	400,000
48.	Kalama Valley Pressure Reducing Valve Improvements	Prepare plans and specs for pressure-reducing valve assembly and associated water system improvements in Kalama Valley to reduce high water pressure.	P&E	370,000	-	-	-	370,000
Facilities Total				11,275,000	-	-	-	11,275,000
Total Category II - Renewal and Replacement				38,158,000	-	-	82,000	38,240,000

II A. Renewal and Replacement - SRF Eligible

A. Pumps

49.	Kamaile Wells – Replacement of Pumping Units	Replace pumping units and associated piping, valves, motor control center and related components and wiring, gauge board, chlorination system, air compressor, lights and receptacles, and miscellaneous work.	Const	-	1,400,000	-	-	1,400,000
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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
50.	Waiialae Iki Well Renovation	Replace well pumping unit, center-guided check valves, flow tube venturi, gauges, instrumentation, sampling lines, chlorination system, air compressor and emergency pump connection. Replace existing motor control center, solid-state soft start motor starter, and controls for new well pump. Repaint facility.	Const		925,000	-	-	925,000
51.	Diamond Head Line Booster: Replace Pumping Units	Replace 4 pumping units including pumps, motors, discharge head assemblies, valves, suction barrels, piping, and other components. Update and overhaul facility mechanical and electrical systems. Provide new elevated platform with grated surfaces for maintenance access, landscape plantings, corrosion control and painting of all piping.	Const		2,500,000	-	-	2,500,000
52.	Mililani Wells II Improvements	Install PRV assembly and associated piping, and emergency pump connection.	Const		350,000	-	-	350,000
53.	Moanalua Wells: Replacement of Pump No. 1	Replace Pumping Unit No. 1 and aboveground piping for all three pumping units. Replace motor control center (MCC) with new soft start MCC. Provide temporary service. Replace control wires, junction boxes, conduits, disconnect switch, and mounts. Provide new security and sound attenuating wall.	Const		1,500,000	-	-	1,500,000
54.	Pearl City Wells II Isolation Valves	Replace well pumps and install new check valves and power-check pump control valves for well nos. 1, 2, and 3. Replace chlorination system.	Const	-	700,000	-	-	700,000
55.	Pearl City Wells I Renovation	Replace well pumps nos. 1 and 2 and associated aboveground piping, motor control center, chlorination system and compressor. Renovate pump building.	Const	-	2,500,000	-	-	2,500,000
56.	Punaluu Wells II Renovation	Provide new pumping unit at well no. 6. Provide new aboveground/underground piping, valves, wiring, and appurtenances at wells no. 1, 2, 3, 5, and 6. Provide new surge anticipating valve at wells no. 1, 3, and 6. Replace sodium hypochlorite system. Replace all existing motor controls with new soft starters. Provide new telemetering and supervisory control equipment in new SCADA cabinet with new UPS system. Renovate existing control building.	Const	-	7,500,000	-	-	7,500,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
57.	Halawa Wells and Halawa Booster No. 2	Halawa Wells: Replace existing pumping unit no.3 and related aboveground piping, flow tube, valves and appurtenances. Provide new disconnect switch at the pump, and replace motor controls, conduit, conductors and gauge board. Halawa Booster No.2: Replace all pumping units. Construct new valve vault, replace suction isolation valves, and replace various valves and piping on the discharge of each pump. Construct new PRV assembly. Replace motor control center, disconnect switch, telemetry, and related conduit and conductors.	Const	-	2,500,000	-	-	2,500,000
Pumps Total				-	19,875,000	-	-	19,875,000
<u>B. Reservoirs</u>				-	-	-	-	-
Reservoirs Total				-	-	-	-	-
<u>C. Pipelines</u>				-	-	-	-	-
Pipelines Total				-	-	-	-	-
<u>D. Treatment</u>				-	-	-	-	-
Treatment Total				-	-	-	-	-
<u>E. Facilities</u>				-	-	-	-	-
58.	Makiki 180 Reservoir Replace Altitude Valve Assembly	Replace altitude valve (AV) valve in AV vault, provide new titled disc check valve and emergency pump connection, install new electrical duct bank from control building to AV vault and various controls for new AV.	Const	-	-	-	435,000	435,000
59.	Makakilo 920 and Waipahu 228 No. 2 Reservoir Facility Repairs	Makakilo 920: Install new waterproof roof coating, install ladder catch and safety rails, replace vents/ventilator, crack and spall repair and repainting. Waipahu 228 No. 2: Repair leaks at backwash tank, fence repairs and other minor site work.	Const	-	-	-	1,700,000	1,700,000

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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
60.	Facility Repair and Repainting: Wahiawa 1361 Reservoirs No. 1 and No. 2	Replace exterior ladders, replace steel roof and structural member for reservoir no. 1, recoat interior for reservoir no. 2, exterior repainting and perimeter fence repairs.	Const	-	-	-	1,100,000	1,100,000
Facilities Total				-	-	-	3,235,000	3,235,000
Total Category II A - Renewal and Replacement - SRF				-	19,875,000	-	3,235,000	23,110,000
Total Category II and II A				38,158,000	19,875,000	-	3,317,000	61,350,000

III. Capacity Expansion

A. Pumps

Pumps Total

-	-	-	-	-
-	-	-	-	-

B. Reservoirs

61.	Aina Haina 170 0.5 MG Reservoir No. 2	Construct second 0.5 MG reservoir at existing Aina Haina 170 Reservoir site	P&E	-	-	500,000	-	500,000
62.	East Kapolei 215 R-1 3.0 MG Reservoir	Prepare Conceptual Facilities Site Plan, Environmental Assessment and PIM for the East Kapolei R-1 3.0 MG reservoir.	P&E	-	-	325,000	-	325,000
63.	Waianae 242 4.0 MG Reservoir No. 2	Prepare Environmental Impact Statement (EIS) and obtain Conservation District Use Permit (CDUP) and Public Infrastructure Map (PIM) Amendment.	P&E	-	-	325,000	-	325,000

Reservoirs Total

-	-	1,150,000	-	1,150,000
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C. Pipelines

64.	Kualakai Parkway 16-Inch Recycled Water Main	Install 16-inch nonpotable main and appurtenances along Farrington Highway from the future East Kapolei 215 R-1 reservoir access road to Kualakai Parkway and along Kualakai Parkway from Farrington Highway to Mango Tree Road - approx. 10,750 lin. ft.	P&E	-	-	860,000	-	860,000
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Item No.	Project Title	Description	Type	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Reserve Release Fund	Total
65.	Kalakaua Avenue Water System Improvements, Phase III	Install 16-inch main and appurtenances along Kalakaua Avenue, from Beretania Street to Kapiolani Boulevard - approx. 3,200 lin. ft. Install 12-inch blow-off main and appurtenances at the intersection of Beretania Street and Kalakaua Avenue - approx. 30 lin. ft.	P&E	-	-	350,000	-	350,000
Pipelines Total				-	-	1,210,000	-	1,210,000
<u>D. Treatment</u>								
Treatment Total				-	-	-	-	-
<u>E. Facilities</u>								
66.	Security Camera Systems	Install computer network-based security camera systems (camera, lights, speakers and motion detectors) at critical pump stations and reservoirs.	Const	375,000	-	-	-	375,000
Facilities Total				375,000	-	-	-	375,000
Total Category III - Capacity Expansion				375,000	-	2,360,000	-	2,735,000
Total Categories I - III				41,533,000	19,875,000	2,360,000	3,667,000	67,435,000
Construction Cost Index Adjustment				3,001,300	1,987,500	-	366,700	5,355,500
Contract Adjustment Account				8,000,000	-	-	-	8,000,000
FY 2017 Capital Improvement Program - Total				52,534,300	21,862,500	2,360,000	4,033,700	80,790,500