

BOARD OF WATER SUPPLY

City and County of Honolulu
Honolulu, Hawaii



2022 BUDGET

For the Fiscal Year Beginning July 1, 2021 and
Ending June 30, 2022

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

**OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET
For the Fiscal Year Beginning July 1, 2021 and Ending June 30, 2022**

BOARD MEMBERS

Bryan P. Andaya, Chair

Kapua Sproat, Vice-Chair

Ray C. Soon, Member

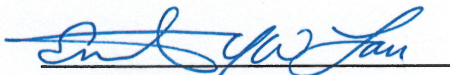
Max J. Sword, Member

Na'alehu Anthony, Member

Jade T. Butay, Ex-Officio

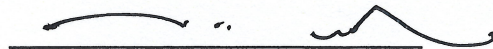
Roger W. Babcock, Jr., Ex-Officio

SUBMITTED BY:



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

APPROVED:



BRYAN P. ANDAYA
Board Chair
May 24, 2021

May 24, 2021

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, 2021 to June 30, 2022 (FY 2022).

FINANCIAL PLAN

The proposed Operating Budget for FY 2022 is based upon total operating fund resources of \$288.6 million, to be derived from operating revenues of \$248.8 million and an estimated carryover balance from FY 2021 of \$39.8 million. The carryover balance results from the estimated operating fund balance that is unappropriated

The proposed operating fund expenditure allocations are \$215.1 million for operating expenses and \$66 million for the Capital Improvement Program (CIP) budget. A projected ending balance of \$7.5 million will be unappropriated.

The proposed CIP budget totals \$180 million and is funded by \$66 million from the Operating Fund¹; \$93.4 million from the Improvement Fund² and \$20.6 million from the Special Expendable Fund³. Of the \$66 million in Operating Funds proposed for the CIP, \$15.7 million is eligible for participation in the State of Hawaii, Department of Health State Revolving Fund (SRF) loan program. The Drinking Water State Revolving Loan Fund (DWSRF) was established by the 1996 amendments to the Safe Drinking Water Act (SDWA). The DWSRF is a financial assistance program to help water systems and states to achieve the health protection objectives of the SDWA. The DWSRF programs function like infrastructure banks by providing low interest loans to eligible recipients for drinking water infrastructure projects.

Both the Operating and CIP Budgets are aligned with the Long-Range Financial Plan Update 2021, which was adopted by the Board via Resolution 920, 2021 on February 22, 2021.

¹"Operating Fund" is defined as rate revenue or cash

²"Improvement Fund" is defined as the proceeds of Water System Revenue Bonds

³"Special Expendable Fund" is a restricted fund in which water system facilities charges are deposited and the funding reserved for water system capacity expansion projects.

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 2022, we are projecting total revenues of \$248.8 million; which is \$3.8 million or 1.5 percent more than total revenues budgeted for FY 2021. The Long-Range Financial Plan Update 2021 forecasted \$250 million of revenue in FY 2022. The lower budgeted amount in FY 2022 reflects conservative estimating of revenues as we evaluate the impacts of the pandemic.

Revenue Sources	FY 2020 Actual	FY 2021 Budget	FY 2022 Budget	Percent Change FY 2022 over FY 2021
Metered Sales				
Potable and Non-Potable Water*	221,369,849	230,000,000	233,300,000	1.4%
Recycled Water	6,078,065	6,361,000	6,408,000	0.7%
Other Revenues	9,305,753	8,730,300	9,140,000	4.7%
Total Revenues	<u>236,753,667</u>	<u>245,091,300</u>	<u>248,848,000</u>	<u>1.5%</u>

*Potable Water means all water that meets State of Hawaii Department of Health Drinking Water Standards, while Non-Potable Water means all water that does not meet the same standards. Within this section, this includes non-potable brackish water.

Metered Sales – Potable and Non-Potable Water

Potable and non-potable water sales are projected to increase by \$3.3 million or 1.4 percent more than the FY 2021 budget amount of \$230 million. This increase is primarily due to a rate adjustment scheduled in FY 2022 and a conservative revenue estimate in the FY 2022 budget.

Metered Sales – Recycled Water

Recycled water sales of \$6.4 million are projected to increase by 0.7 percent when compared to the FY 2021 budget. This increase is due to a projected increased usage and the rate adjustments scheduled in FY 2022.

Other Revenues

Other Revenues of \$9.1 million will be \$410 thousand higher than the FY 2021 budget amount due to an anticipated increase in interest income of \$336 thousand. Interest income is interest revenue earned on the Board's investments. 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 fund expenditures for FY 2022 are budgeted at \$281.2 million. This represents an increase of \$9.7 million, or 3.6 percent more than the amount budgeted for the current fiscal year. This change is attributable to an increase in funding for materials, supplies and services of \$3.7 million; an increase in funding the department's debt service of \$5.4 million and an increase in cash funding projects in the Capital Improvement Program budget of \$2.4 million. These increases were partially offset with decreases in the equipment budget of \$1.9 million.

The Long-Range Financial Plan Update 2021 projected \$186.7 million of operations and maintenance costs in FY 2022. The amount proposed for FY 2022 remains below this amount at \$185.6 million.

Highlights of the proposed Operating Budget for FY 2022 and a comparison against the Long-Range Financial Plan Update 2021 are presented in the following table.

Summary of Proposed Operating Budget. by Major Cost Categories

<u>Major Cost Category</u>	<u>FY 2020 Actual</u>	<u>FY 2021 Budget</u>	<u>FY 2022 Budget</u>	<u>FY 2022 over FY 2021 Amount</u>	<u>Percent</u>
Personnel Services	41,121,397	51,061,230	51,485,567	424,337	0.8%
Materials, Supplies & Services	65,011,203	72,085,907	75,814,672	3,728,765	5.2%
Equipment	6,040,257	6,578,800	4,601,200	-1,977,600	-30.1%
Debt Service	22,588,660	24,214,000	29,588,000	5,374,000	22.2%
Fixed Charges	51,288,910	53,909,000	53,651,008	-257,992	-0.5%
Total Operating Expenditures	186,050,427	207,848,937	215,140,447	7,291,510	3.5%
Transfer to the CIP Program	76,442,460	63,627,500	66,026,000	2,398,500	3.8%
Total Expenditures	262,492,887	271,476,437	281,166,447	9,690,010	3.6%

Comparison to Long Range Financial Plan Update 2021

	<u>LRFP FY 2022</u>	<u>FY 2022</u>	
Personnel Services	52,800,000	51,485,567	(1,314,433)
Materials, Supplies & Services	72,800,000	75,814,672	3,014,672
Equipment	6,600,000	4,601,200	(1,998,800)
Fixed Charges	54,500,000	53,651,008	(848,992)
Operations and Maintenance	186,700,000	185,552,447	(1,147,553)

Personnel Services

The proposed personnel services budget of \$51.5 million is \$424 thousand or 0.8 percent more than personnel services budgeted for the current year. The proposed operating budget includes the creation of eight (8) positions that are needed to undertake new initiatives. These new positions are being offset by the abolishment of fourteen (14) existing positions, which are no longer needed. The departmental staffing levels remains under the total of 741 authorized positions.

The eight (8) new positions proposed are:

- (1) Laboratory Quality Assurance Specialist II (Water Quality)
- (2) Planner III (Water Quality)
- (3) Civil Engineer I (Water Resources)
- (4) Civil Engineer V (Capital Projects)
- (5) Electrical Engineer IV (Capital Projects)
- (6) Senior Plant Electrical/Equipment Repairer (Water Systems Operations)
- (7) Senior Plant Electrical/Equipment Repairer (Water Systems Operations)
- (8) Radio Technician I (IT)

The fourteen (14) positions to be abolished are:

- (1) Pre-Audit Clerk I (Finance) BW257
- (2) Water Data Collection Clerk I (Finance) BW736T
- (3) Water Data Collection Clerk I (Finance) BW737T
- (4) Water Data Collection Clerk I (Finance) BW738T
- (5) Water Data Collection Clerk I (Finance) BW739T
- (6) Water Data Collection Clerk I (Finance) BW740T
- (7) Water Data Collection Clerk I (Finance) BW741T
- (8) Water Data Collection Clerk I (Finance) BW742T
- (9) Water Data Collection Clerk I (Finance) BW743T
- (10) Water Data Collection Clerk I (Finance) BW744T
- (11) Engineering Support Technician I (Capital Projects) 18CP110
- (12) Engineering Support Technician I (Capital Projects) 18CP111
- (13) Community Relations Specialist II (Communications) 19CO002
- (14) Customer Relations Assistant (Customer Service) 19CC09

Materials, Supplies and Services (MS&S)

The proposed MS&S budget of \$75.8 million is \$3.7 million or 5.2 percent more than the expenditures budgeted for the current year. This is primarily due to an increase in funding for professional services of \$1.4 million; an increase in funding for emergency and contracted road repairs of \$1.2 million; an increase in funding for contractual services of \$535 thousand; an increase in funding for storeroom materials and supplies of \$600 thousand; an increase in funding for the repair, maintenance and other services for the photo-voltaic system at various BWS facilities of \$480 thousand. These increases were partly offset by decreases in other materials and supplies of \$620 thousand and a decrease in the repair and maintenance of the recycled water plant facilities of \$898 thousand.

Equipment

The proposed equipment budget of \$4.6 million is \$1.9 million or 30.1 percent less than the amount budgeted in FY 2021. This change is due to the deferred purchase of some replacement and new vehicles and equipment.

Debt Service

The total debt service requirement for FY 2022 is \$29.6 million, which is \$5.4 million or 22.2 percent more than the amount budgeted in FY 2021. In FY 2022, payments to the State of Hawaii/Department of Health State Revolving Fund (SRF) loan program is scheduled to increase by \$600 thousand and principal and interest payments on the department's bonds payable is increasing by \$4.6 million.

Fixed Charges

The proposed fixed charges budget of \$53.7 million is \$258 thousand or 0.5 percent less than the amount budgeted for FY 2021. This decrease of \$258 thousand is due to a decrease of \$3.2 million for electricity costs to power the department's pumping stations, reservoirs and facilities, and a decrease in funding of \$962 thousand to the State Employer-Union Trust Fund (EUTF) Other Post-Employment Benefits (OPEB) plan. These decreases were offset by increases in payments to the State of Hawaii Employee Retirement System (ERS) of \$2 million and an increase in funding the State Employer-Union Trust Fund (EUTF) health benefits for retirees.

PART II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

A CIP budget of \$180 million is proposed for FY 2022 to be funded as follows: Operating Fund¹ -- \$66 million; Improvement Fund² -- \$93.4 million and the Special Expendable Fund³ -- \$20.6 million. Of the \$66 million in CIP projects that will be funded through the Operating Fund¹; \$15.7 million is eligible for participation in the State Department of Health's State Revolving Fund (SRF) loan program.

Highlights of the proposed CIP for next year includes \$6.9 million for research and development, \$121.5 million for the renewal and replacement of various BWS pipelines, facilities and pumping stations, and \$23.2 million for capacity expansion. The CIP cost categories and project descriptions are summarized starting on page CIP-SUMM.

Special Expendable Fund – Affordable & Homeless Housing Waiver Program

Water system facilities charges are levied against all new developments requiring water supplies from the BWS or additional water supplies from existing water services except those where the developer installs, at its own cost, a complete water system including source, transmission, and daily storage facilities. Developers pay the water system facilities charges before water services are made available to the developments. Such water system facilities charges are deposited in the Special Expendable Fund and do not constitute Rate Revenues. The amount of fees and charges deposited into the Special Expendable Fund varies from year to year. The fund is restricted in use to funding water system expansion projects.

The Special Expendable fund balance at June 30, 2020 was \$100,673,760. The Special Expendable fund is being used to fund \$54.7 million of CIP expansion projects in FY 2021 and \$20.6 million of CIP expansion projects in FY 2022. The following table represents the deposits to the Special Expendable fund in Fiscal Years 2019 and 2020:

Fiscal Year	Resource	Transmission	Storage	Total
2019	2,783,540	1,313,586	2,330,572	\$ 6,427,698
2020	4,656,479	2,186,422	3,540,432	\$ 10,383,333

¹"Operating Fund" is defined as rate revenue or cash

²"Improvement Fund" is defined as the proceeds of Water System Revenue Bonds

³"Special Expendable Fund" is a restricted fund in which water system facilities charges are deposited and the funding reserved for water system expansion projects.

On September 15, 2018 the Board of Water Supply adopted a revision to the Schedule of Rates and Charges for the Furnishing of Water Service to include a waiver of Water System Facilities Charges and new meter cost for qualified on-site affordable and homeless dwelling units, up to 500 dwelling units per fiscal year. To date the program has waived these fees and charges for 835 dwelling units. This equates to \$1,159,442.75 in fees and charges waived. The long-term effect of this loss of fees could result in the Operating Fund absorbing the cost of expansion projects in the future.

Respectfully submitted,



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

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SUMMARY OF ALL FUNDS

OPERATING BUDGET

CAPITAL IMPROVEMENT
PROGRAM BUDGET

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**Board of Water Supply
Summary of All Funds
Fiscal Year 2022**

	Operating Fund	Operating Fund - SRF Eligible	Special Expendable Fund	Improvement Fund	TOTAL - All Funds
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Operating Budget	215,140,447	-	-	-	215,140,447
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Capital Improvement Program	50,296,000	15,730,000	20,600,000	93,350,000	179,976,000
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Total - All Funds	265,436,447	15,730,000	20,600,000	93,350,000	395,116,447
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**BOARD OF WATER SUPPLY
OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET
FISCAL YEAR 2022
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II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

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**Board of Water Supply
Operating Budget
Fiscal Year 2022**

Department Summary

Resources and Expenditures	FY2020 Actual	FY2021 Adopted Budget	FY2022 Proposed Budget
Beginning Balance	53,540,044	49,908,250	39,772,388
Revenues	236,753,666	245,091,300	248,848,000
Lapses/Adjustments	4,986,679	0	0
Total Resources	295,280,389	294,999,550	288,620,388
Operating Expenditures	186,050,427	207,848,937	215,140,447
Capital Program	76,442,460	63,627,500	66,026,000
Transfer to Special Expendable Fund	0	0	0
Total Expenditures	262,492,887	271,476,437	281,166,447
Ending Balance	32,787,502	23,523,113	7,453,941

Board of Water Supply
Operating Budget Revenues
Fiscal Year 2022

Department Summary

Revenues	FY2020 Actual	FY2021 Adopted Budget	FY2022 Proposed Budget
Metered Revenue - Potable and Non-Potable Water	221,369,849	230,000,000	233,300,000
Metered Revenue - Recycled Water (R-1)	3,191,341	3,347,000	3,484,000
Metered Revenue - Recycled Water (RO)	2,886,724	3,014,000	2,924,000
Private Fire Protection	605,370	692,000	650,000
Ocean Cooling Revenues	1,422,788	1,354,000	1,500,000
Other Water Revenues	294,000	320,000	320,000
Revenues from Water Service Installations	686,826	550,000	550,000
Revenues from Merchandising & Jobbing (M&J)	221,841	280,000	280,000
Interest Income - Operating	5,807,751	5,164,300	5,500,000
Miscellaneous Non-Operating Revenue	140,650	120,000	140,000
Non-Operating Rental Income	126,527	250,000	200,000
Total	236,753,666	245,091,300	248,848,000

Board of Water Supply
Operating Budget Expenditures
Fiscal Year 2022

Department Summary

Expenditure Classification	FY2020 Actual	FY2021 Adopted Budget	FY2022 Proposed Budget
Personnel Services	41,121,397	51,061,230	51,485,567
Materials, Supplies and Services	65,011,203	72,085,907	75,814,672
Equipment	6,040,257	6,578,800	4,601,200
Departmental Fixed Charges	51,288,910	53,909,000	53,651,008
Debt Service	22,588,660	24,214,000	29,588,000
Operating Expenditures	186,050,427	207,848,937	215,140,447
Transfer to Capital Improvement Program	76,442,460	63,627,500	66,026,000
Transfer to Special Expendable Fund	0	0	0
Total Expenditures	262,492,887	271,476,437	281,166,447

Board of Water Supply
Operating Budget Expenditures
Fiscal Year 2022

Department Summary by Division/Office

Expenditure Classification (Personnel Services, Materials, Supplies and Services, and Equipment)	FY2020 Actual	FY2021 Adopted Budget	FY2022 Proposed Budget
Manager's Office	670,614	1,071,450	922,450
Executive Support Office	7,353,615	8,692,737	9,054,865
Communications Office	1,224,826	1,301,677	1,375,439
Human Resources Office	537,789	808,600	715,000
Water Quality	8,145,431	12,221,600	13,320,610
Customer Care	4,324,275	5,691,805	5,483,410
Land	400,162	1,769,340	1,032,990
Water Resources	14,089,245	14,161,619	14,158,982
Field Operations	31,427,891	34,534,815	36,511,525
Capital Projects	5,508,419	7,710,500	8,362,200
Water System Operations	19,188,063	20,447,800	19,175,600
Information Technology	14,091,298	15,503,294	15,829,068
Finance	5,211,229	5,810,700	5,959,300
Total of Divisions and Offices	112,172,857	129,725,937	131,901,439
Departmental Fixed Charges	51,288,910	53,909,000	53,651,008
Debt Service	22,588,660	24,214,000	29,588,000
Total Operating Expenditures	186,050,427	207,848,937	215,140,447

**Board of Water Supply
Expenses by Account Type
Fiscal Year 2022**

Department Summary by Division/Office

Division and Offices	Personnel Services	Materials, Supplies, and Services	Equipment	Debt Service and Dept Fixed Charges	FY2022 Proposed Budget
Manager's Office	535,800	386,650	0	0	922,450
Executive Support Office	1,357,100	7,672,765	25,000	0	9,054,865
Communications Office	878,576	496,863	0	0	1,375,439
Human Resources Office	593,900	121,100	0	0	715,000
Water Quality	2,035,400	11,211,210	74,000	0	13,320,610
Customer Care	4,398,840	1,074,570	10,000	0	5,483,410
Land	333,900	699,090	0	0	1,032,990
Water Resources	2,778,451	11,359,031	21,500	0	14,158,982
Field Operations	18,921,200	17,562,325	28,000	0	36,511,525
Capital Projects	6,052,900	2,059,300	250,000	0	8,362,200
Water System Operations	7,095,200	8,182,700	3,897,700	0	19,175,600
Information Technology	4,067,900	11,466,168	295,000	0	15,829,068
Finance	2,436,400	3,522,900	0	0	5,959,300
Total:	51,485,567	75,814,672	4,601,200	0	131,901,439
Fixed Charges and Debt Service	0	0	0	83,239,008	83,239,008
Grand Total	51,485,567	75,814,672	4,601,200	83,239,008	215,140,447

**Board of Water Supply
Position Budgets
Fiscal Year 2022**

Department Summary by Division/Office

Division Name	Positions				Salary			
	Perm	LTA	PSC	Total	Perm	LTA	PSC	Total
Manager's Office	5.0	0.0	1.0	6.0	533,846	0	0	533,846
Executive Support Office	20.0	0.0	4.0	24.0	1,220,082	0	46,986	1,267,068
Communications Office	11.0	0.0	1.0	12.0	749,710	0	62,136	811,846
Human Resources Office	10.0	0.0	0.0	10.0	588,914	0	0	588,914
Water Quality	32.0	0.0	2.0	34.0	1,775,456	0	0	1,775,456
Customer Care	70.0	2.0	11.0	83.0	3,490,119	74,146	388,129	3,952,394
Land	5.0	0.0	0.0	5.0	309,617	0	0	309,617
Water Resources	36.0	0.0	2.0	38.0	2,597,893	0	38,268	2,636,161
Field Operations	258.0	0.0	9.0	267.0	14,995,309	0	443,340	15,438,649
Capital Projects	81.0	0.0	0.0	81.0	5,335,706	0	0	5,335,706
Water System Operations	108.0	0.0	0.0	108.0	6,196,410	0	0	6,196,410
Information Technology	55.0	0.0	4.0	59.0	3,857,261	0	45,726	3,902,987
Finance	42.0	0.0	1.0	43.0	2,301,583	0	0	2,301,583
Total	733.0	2.0	35.0	770.0	43,951,908	74,146	1,024,585	45,050,638

Board of Water Supply
Operating Budget
Debt Service
Fiscal Year 2022

DEBT SERVICE

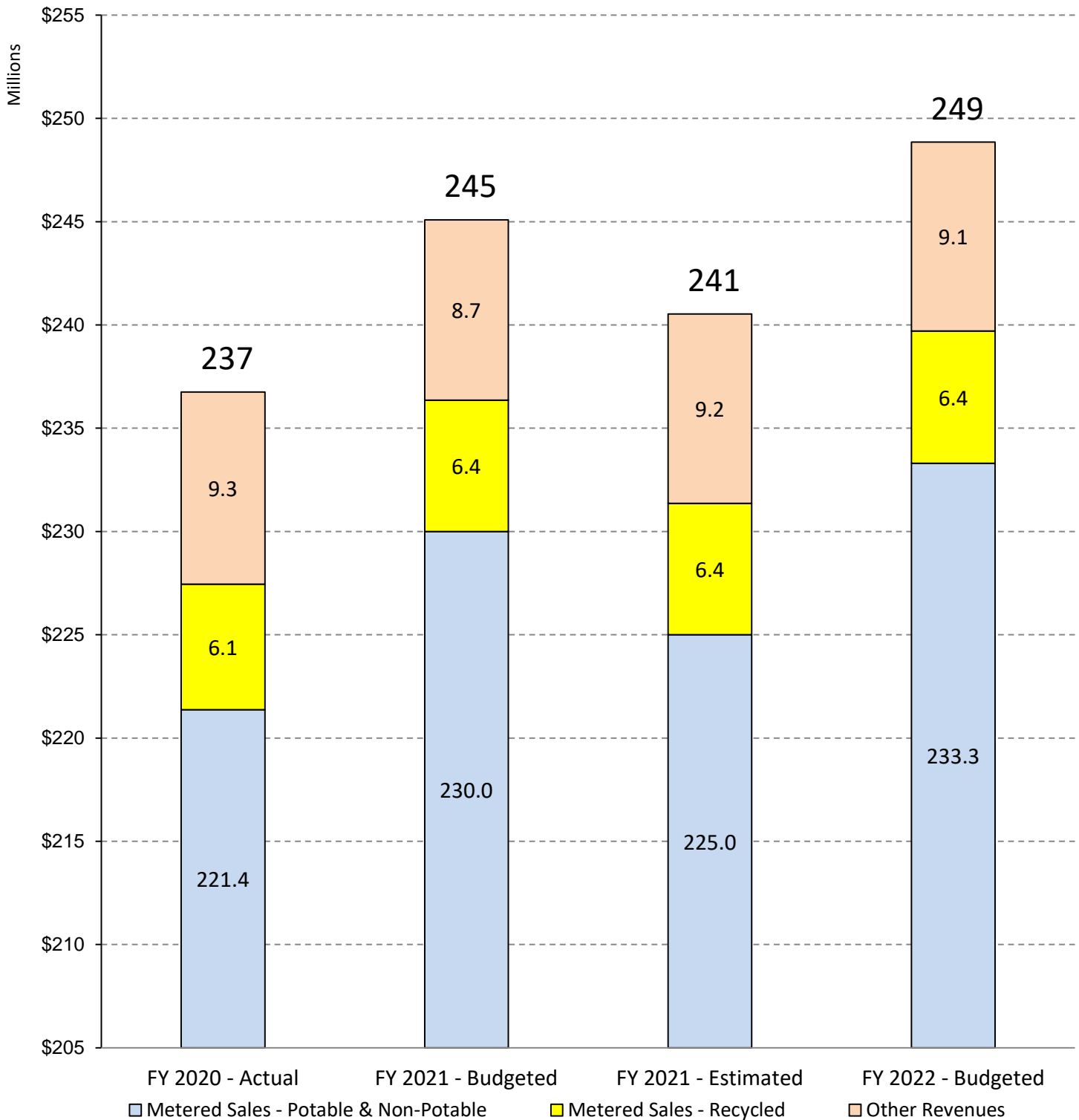
ISSUE	FY 2020 Actual	FY 2021 Budget	FY 2022 Budget
Water System Revenue Bonds:			
Series 2012A	2,339,088	10,092,000	8,962,000
Series 2014 A & B	5,366,034	7,837,000	5,112,000
Series 2020 A & B	849,792		4,791,000
Series 2021 A & B			3,710,000
Debt Service - Bonds Payable	8,554,913	17,929,000	22,575,000
Notes Payable:			
SRF Loans	4,029,408	6,285,000	8,197,000
Debt Service - Notes Payable	4,029,408	6,285,000	8,197,000
Total	12,584,321	24,214,000	30,772,000

Bond Issues:

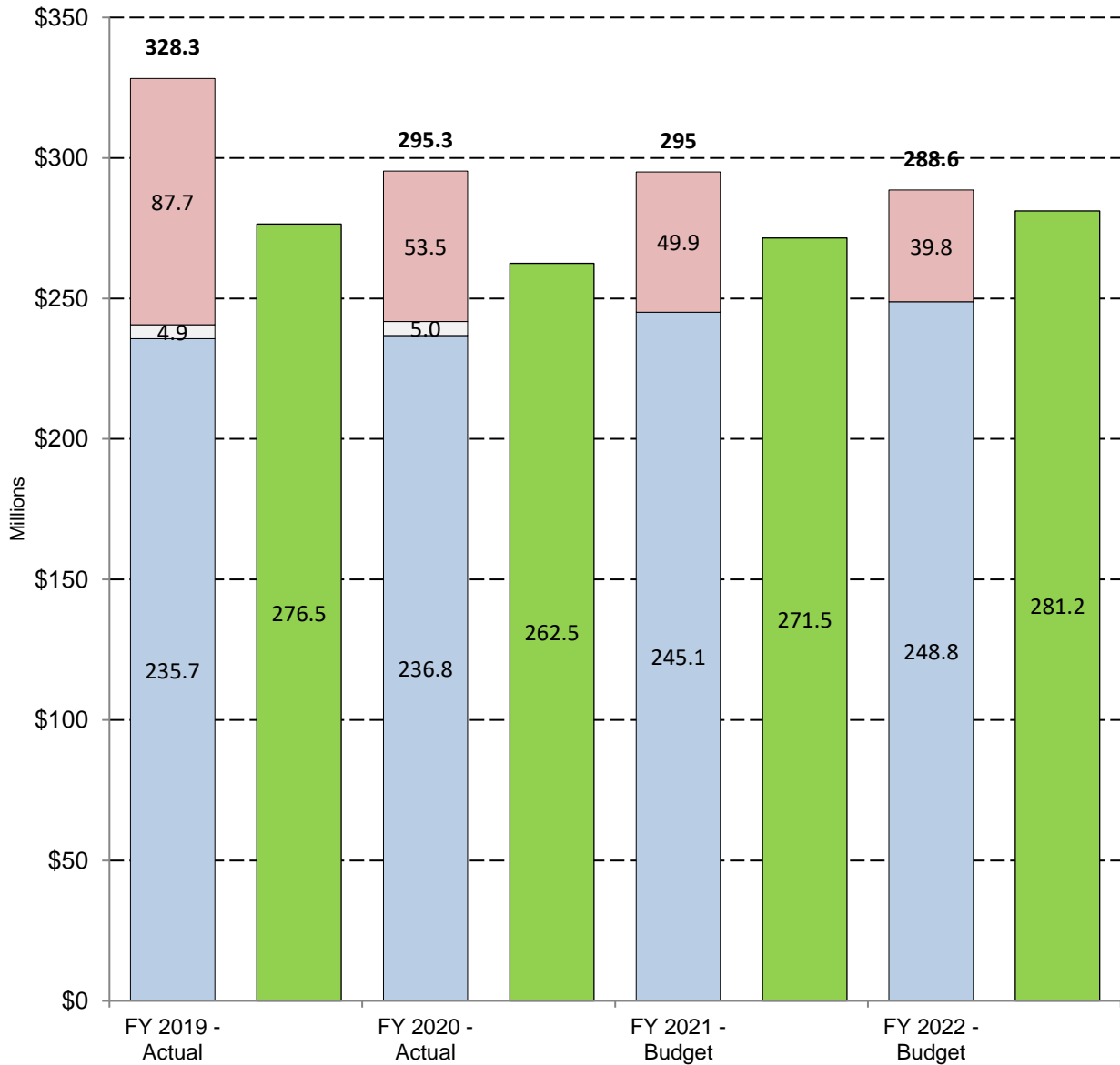
<u>Year Issued</u>	<u>Par Amount</u>	<u>Fiscal Year Expires</u>	<u>Years</u>
2012A	\$ 27,115,000	2023	11
2014A	\$ 101,655,000	2037	22
2014B	\$ 25,085,000	2032	18
2020A	\$ 59,105,000	2050	30
2020B	\$ 47,530,000	2034	14
2021A	\$ 50,020,000	2051	30
2021B	\$ 43,515,000	2032	11

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**BOARD OF WATER SUPPLY
OPERATING FUND REVENUES
FISCAL YEAR 2022**



**BOARD OF WATER SUPPLY
TOTAL RESOURCES VS. TOTAL EXPENDITURES
FISCAL YEAR 2022**



■ Revenues

□ Lapses / Adjustments

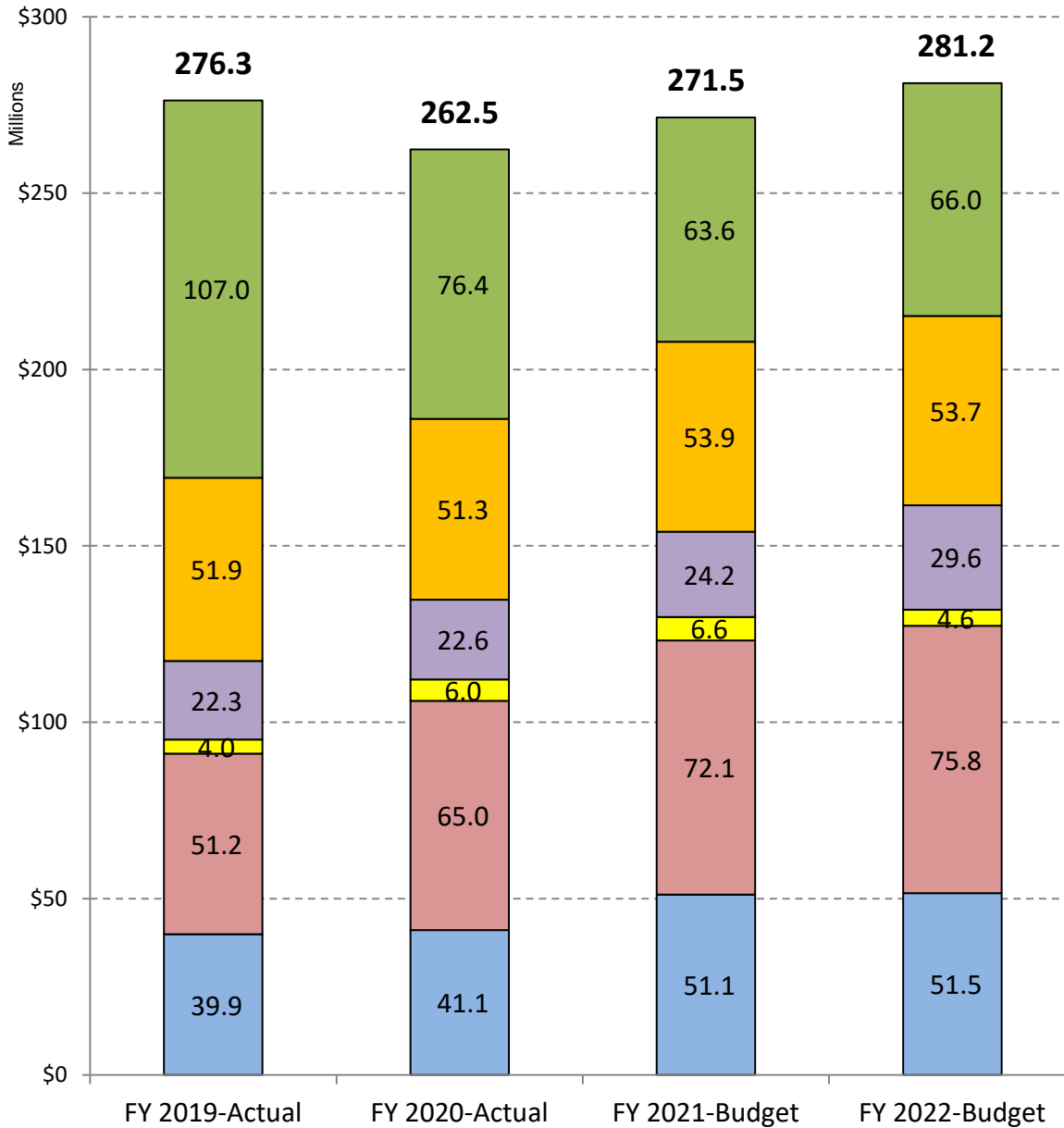
■ Fund Balance

■ Expenditures

Fiscal Year 2022

Fund Balance 7/1/2021	\$ 39,772,388
Revenues	<u>248,848,000</u>
Total Resources	\$288,620,388
Total Expenditures	<u>-281,166,447</u>
Fund Balance 6/30/2022	<u>\$ 7,453,941</u>

**BOARD OF WATER SUPPLY
OPERATING BUDGET EXPENDITURES (INCLUDING CIP)
FISCAL YEAR 2022**



- Personnel Srv.
- MS&S
- Equipment
- Debt Service
- Fixed Charges
- Waivers-Sp. Ex. Fund
- CIP

Fiscal Year 2022	
CIP	\$ 66,026,000
Fixed Charges	53,651,008
Debt Service	29,588,000
Equipment	4,601,200
MS&S	75,814,672
Personnel Svcs.	51,485,567
Transfer to Spec Ex	-0-
Total	\$281,166,447

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PART I

OPERATING BUDGET

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**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	585,845	495,000	620,100	533,800	(86,300)
4120 - Overtime	0	0	1,000	2,000	1,000
Personnel Services	585,845	495,000	621,100	535,800	(85,300)
M 4160 - Meals; Mileage & Uniform Allowances	0	0	0	0	0
4250 - Other Contractual Services	3,452	4,600	4,600	24,600	20,000
4255 - Other Services	5,030	58,800	31,300	58,800	27,500
4260 - Advertising & Publication of Notices	0	500	500	500	0
4265 - Printing	0	1,000	1,000	1,000	0
4270 - Professional Services	15,915	35,000	135,000	35,000	(100,000)
4430 - Miscellaneous Supplies	1,190	5,000	5,000	5,000	0
4460 - Other Materials & Supplies	12,489	10,000	10,000	10,000	0
4480 - Postage	7	0	0	0	0
4500 - Education and Training	3,699	0	0	0	0
4720 - Conference Travel & Expenses	8,448	38,240	49,240	38,240	(11,000)
4815 - Repair & Maint - Equipment	0	3,000	3,000	3,000	0
4910 - Miscellaneous Fees & Registration	33,105	203,100	210,710	210,510	(200)
8050 - Equipment (under \$5,000)	1,434	0	0	0	0
Materials, Supplies and Services	84,769	359,240	450,350	386,650	(63,700)
Total Manager's Office	670,614	854,240	1,071,450	922,450	(149,000)

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,062,130	1,310,700	1,228,100	1,267,100	39,000
4120 - Overtime	93,619	21,500	31,538	54,000	22,462
4130 - Miscellaneous (Payroll)	0	25,000	0	36,000	36,000
Personnel Services	1,155,749	1,357,200	1,259,638	1,357,100	97,462
4160 - Meals; Mileage & Uniform Allowances	3,898	1,500	1,500	1,150	(350)
4250 - Other Contractual Services	2,278,408	2,250,399	2,379,399	2,742,330	362,931
4251 - Software Licenses and Maintenance	24,500	38,000	30,000	35,000	5,000
4265 - Printing	481	1,000	850	600	(250)
4270 - Professional Services	1,149,237	1,520,000	1,489,200	1,379,200	(110,000)
4430 - Miscellaneous Supplies	39,672	34,272	14,800	25,600	10,800
4460 - Other Materials & Supplies	6,779	50,000	0	0	0
4500 - Education and Training	3,936	4,000	4,500	4,900	400
4720 - Conference Travel & Expenses	1,872	28,800	12,000	3,500	(8,500)
4805 - Repair & Maint - Structures	16,574	20,000	20,000	25,000	5,000
4910 - Miscellaneous Fees & Registration	2,404	2,280	1,250	3,650	2,400
5700 - Insurance	751,055	850,000	850,000	1,110,835	260,835
6340 - Workers Compensation Benefits	1,247,185	1,200,000	1,316,000	1,316,000	0
6350 - Claims for Pers Injuries & Prop Damage	592,729	1,000,000	1,250,000	1,000,000	(250,000)
8050 - Equipment (under \$5,000)	13,983	4,000	38,600	25,000	(13,600)
Materials, Supplies and Services	6,132,712	7,004,251	7,408,099	7,672,765	264,666
E 1270 - General Plant & Equip (over \$5,000)	65,154	125,000	25,000	25,000	0
Equipment	65,154	125,000	25,000	25,000	0
Total ESO - Executive Support Office	7,353,615	8,486,451	8,692,737	9,054,865	362,128

Notes

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

ESO - Executive Support Office

5105 - Executive Support Office - Administration

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	137,841	238,400	148,800	232,800	84,000
4120 - Overtime	10,965	1,000	650	7,500	6,850
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	148,806	239,400	149,450	240,300	90,850
4160 - Meals; Mileage & Uniform Allowances	532	0	0	0	0
4250 - Other Contractual Services	3,865	249,200	17,500	16,000	(1,500)
4265 - Printing	8	500	250	0	(250)
4270 - Professional Services	179,200	100,000	209,200	209,200	0
4430 - Miscellaneous Supplies	8,689	3,000	1,500	3,000	1,500
4460 - Other Materials & Supplies	35	0	0	0	0
4500 - Education and Training	610	1,000	500	500	0
4720 - Conference Travel & Expenses	1,872	0	2,000	0	(2,000)
4910 - Miscellaneous Fees & Registration	0	1,000	0	0	0
8050 - Equipment (under \$5,000)	449	0	0	0	0
Materials, Supplies and Services	195,259	354,700	230,950	228,700	(2,250)
1270 - General Plant & Equip (over \$5,000)	29,972	0	0	0	0
Equipment	29,972	0	0	0	0
Total Executive Support Office - Administration	374,037	594,100	380,400	469,000	88,600

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	311,183	327,500	335,400	336,200	800
4120 - Overtime	4,696	5,000	6,950	6,000	(950)
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	315,879	332,500	342,350	342,200	(150)
4160 - Meals; Mileage & Uniform Allowances	381	1,200	1,200	750	(450)
4250 - Other Contractual Services	11,598	3,199	17,899	17,730	(169)
4265 - Printing	44	0	0	0	0
4270 - Professional Services	947,677	1,420,000	1,050,000	1,170,000	120,000
4430 - Miscellaneous Supplies	4,517	6,272	7,300	7,600	300
4460 - Other Materials & Supplies	1,576	0	0	0	0
4500 - Education and Training	2,501	3,000	2,750	2,900	150
4720 - Conference Travel & Expenses	0	20,800	10,000	3,500	(6,500)
4910 - Miscellaneous Fees & Registration	2,404	1,280	1,250	3,650	2,400
5700 - Insurance	751,055	850,000	850,000	1,110,835	260,835
6340 - Workers Compensation Benefits	1,247,185	1,200,000	1,316,000	1,316,000	0
6350 - Claims for Pers Injuries & Prop Damage	592,729	1,000,000	1,250,000	1,000,000	(250,000)
8050 - Equipment (under \$5,000)	4,118	0	0	0	0
Materials, Supplies and Services	3,565,785	4,505,751	4,506,399	4,632,965	126,566
F 1270 - General Plant & Equip (over \$5,000)	22,074	0	0	0	0
Equipment	22,074	0	0	0	0
Total Risk Management	3,903,738	4,838,251	4,848,749	4,975,165	126,416

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
4110 - Salaries & Wages	210,062	245,900	159,000	92,100	(66,900)
4120 - Overtime	5,037	10,000	6,250	6,500	250
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	215,099	255,900	165,250	98,600	(66,650)
4160 - Meals; Mileage & Uniform Allowances	318	300	300	400	100
4250 - Other Contractual Services	2,241,218	1,998,000	2,344,000	2,708,600	364,600
4270 - Professional Services	0	0	100,000	0	(100,000)
4430 - Miscellaneous Supplies	26,096	25,000	6,000	15,000	9,000
4460 - Other Materials & Supplies	5,161	50,000	0	0	0
4805 - Repair & Maint - Structures	8,746	20,000	20,000	25,000	5,000
8050 - Equipment (under \$5,000)	898	4,000	35,000	25,000	(10,000)
Materials, Supplies and Services	2,282,436	2,097,300	2,505,300	2,774,000	268,700
1270 - General Plant & Equip (over \$5,000)	0	0	25,000	25,000	0
Equipment	0	0	25,000	25,000	0
Total Security Office	2,497,535	2,353,200	2,695,550	2,897,600	202,050

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	148,404	160,500	213,000	218,000	5,000
4120 - Overtime	6,274	4,000	3,688	4,000	312
4130 - Miscellaneous (Payroll)	0	0	0	36,000	36,000
Personnel Services	154,679	164,500	216,688	258,000	41,312
4160 - Meals; Mileage & Uniform Allowances	230	0	0	0	0
4250 - Other Contractual Services	474	0	0	0	0
4251 - Software Licenses and Maintenance	24,500	38,000	30,000	35,000	5,000
4265 - Printing	429	500	600	600	0
8050 - Equipment (under \$5,000)	449	0	3,600	0	(3,600)
Materials, Supplies and Services	26,082	38,500	34,200	35,600	1,400
E 1270 - General Plant & Equip (over \$5,000)	13,109	45,000	0	0	0
Equipment	13,109	45,000	0	0	0
Total Management and Budget	193,869	248,000	250,888	293,600	42,712

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

ESO - Executive Support Office

5140 - Procurement

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	254,639	338,400	371,900	388,000	16,100
4120 - Overtime	66,647	1,500	14,000	30,000	16,000
4130 - Miscellaneous (Payroll)	0	25,000	0	0	0
Personnel Services	321,286	364,900	385,900	418,000	32,100
4160 - Meals; Mileage & Uniform Allowances	2,436	0	0	0	0
4250 - Other Contractual Services	21,253	0	0	0	0
4270 - Professional Services	22,360	0	130,000	0	(130,000)
4430 - Miscellaneous Supplies	370	0	0	0	0
4460 - Other Materials & Supplies	8	0	0	0	0
4500 - Education and Training	825	0	1,250	1,500	250
4720 - Conference Travel & Expenses	0	8,000	0	0	0
4805 - Repair & Maint - Structures	7,828	0	0	0	0
8050 - Equipment (under \$5,000)	8,069	0	0	0	0
Materials, Supplies and Services	63,150	8,000	131,250	1,500	(129,750)
E 1270 - General Plant & Equip (over \$5,000)	0	80,000	0	0	0
Equipment	0	80,000	0	0	0
Total Procurement Section	384,436	452,900	517,150	419,500	(97,650)

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	811,548	774,600	779,800	811,800	32,000
4120 - Overtime	55,289	62,035	48,000	39,172	(8,828)
4130 - Miscellaneous (Payroll)	50	50,532	26,800	27,604	804
Personnel Services	866,887	887,167	854,600	878,576	23,976
4160 - Meals; Mileage & Uniform Allowances	2,525	1,053	2,500	2,500	0
4250 - Other Contractual Services	281,111	347,944	348,378	345,504	(2,874)
4251 - Software Licenses and Maintenance	2,866	24,531	9,469	11,059	1,590
4260 - Advertising & Publication of Notices	0	16,940	0	0	0
4265 - Printing	7,194	66,000	43,900	64,950	21,050
4430 - Miscellaneous Supplies	6,239	4,800	3,000	2,000	(1,000)
4460 - Other Materials & Supplies	44,812	55,000	35,644	45,806	10,162
4480 - Postage	329	15,600	660	15,660	15,000
4500 - Education and Training	4,900	11,200	250	5,030	4,780
4720 - Conference Travel & Expenses	0	0	0	0	0
4815 - Repair & Maint - Equipment	0	932	1,032	1,080	48
4910 - Miscellaneous Fees & Registration	4,355	10,520	684	1,018	334
8050 - Equipment (under \$5,000)	3,607	5,000	1,560	2,256	696
Materials, Supplies and Services	357,939	559,520	447,077	496,863	49,786
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Communications Office	1,224,826	1,446,687	1,301,677	1,375,439	73,762

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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 and review of reorganizations.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	494,894	568,900	581,000	588,900	7,900
4120 - Overtime	3,542	5,000	5,000	5,000	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	498,436	573,900	586,000	593,900	7,900
4160 - Meals; Mileage & Uniform Allowances	343	300	300	300	0
4250 - Other Contractual Services	10,139	100,000	130,000	30,000	(100,000)
4260 - Advertising & Publication of Notices	465	5,000	5,000	5,000	0
4430 - Miscellaneous Supplies	1,699	2,500	2,500	2,500	0
4460 - Other Materials & Supplies	1,372	6,000	6,000	6,000	0
4480 - Postage	44	100	100	100	0
4500 - Education and Training	10,222	71,200	60,000	60,000	0
4720 - Conference Travel & Expenses	9,301	15,800	16,100	16,100	0
4815 - Repair & Maint - Equipment	107	1,250	550	550	0
4910 - Miscellaneous Fees & Registration	528	500	550	550	0
8050 - Equipment (under \$5,000)	5,133	0	0	0	0
Materials, Supplies and Services	39,353	202,650	221,100	121,100	(100,000)
E 1270 - General Plant & Equip (over \$5,000)	0	5,500	1,500	0	(1,500)
Equipment	0	5,500	1,500	0	(1,500)
Total Human Resources Office	537,789	782,050	808,600	715,000	(93,600)

Budget Highlights

**Board of Water Supply
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WQ - Water Quality

Division/Office's Activity

The Water Quality Division ensures the department's compliance with all federal and state drinking water regulations and environmental laws, rules and regulations and manages special water quality studies.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,626,545	1,684,400	1,857,000	1,775,400	(81,600)
4120 - Overtime	161,025	295,000	320,000	200,000	(120,000)
4130 - Miscellaneous (Payroll)	0	1,000	70,000	60,000	(10,000)
Personnel Services	1,787,570	1,980,400	2,247,000	2,035,400	(211,600)
4160 - Meals; Mileage & Uniform Allowances	6,254	14,000	13,210	11,410	(1,800)
4250 - Other Contractual Services	612,058	681,400	680,500	704,100	23,600
4251 - Software Licenses and Maintenance	101,854	85,000	0	0	0
4270 - Professional Services	5,397,014	6,970,000	8,815,000	10,291,000	1,476,000
4430 - Miscellaneous Supplies	234	2,320	2,820	500	(2,320)
4460 - Other Materials & Supplies	115,206	148,300	218,000	130,000	(88,000)
4500 - Education and Training	442	26,740	29,120	10,300	(18,820)
4720 - Conference Travel & Expenses	25,441	66,000	52,300	2,550	(49,750)
4815 - Repair & Maint - Equipment	3,706	32,100	36,500	29,250	(7,250)
4910 - Miscellaneous Fees & Registration	10,581	21,900	26,700	23,700	(3,000)
8050 - Equipment (under \$5,000)	29,260	52,290	67,450	8,400	(59,050)
Materials, Supplies and Services	6,302,049	8,100,050	9,941,600	11,211,210	1,269,610
E 1270 - General Plant & Equip (over \$5,000)	55,812	155,500	33,000	74,000	41,000
Equipment	55,812	155,500	33,000	74,000	41,000
Total WQ - Water Quality	8,145,431	10,235,950	12,221,600	13,320,610	1,099,010

Notes

Board of Water Supply
Operating Budget
Fiscal Year 2022

WQ - Water Quality

5250 - Water Quality Administration

Section's Activity

Administers the department's compliance with all safe drinking water regulations, environmental laws, rules and regulations.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	388,442	405,300	407,300	337,800	(69,500)
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	388,442	405,300	407,300	337,800	(69,500)
M 4160 - Meals; Mileage & Uniform Allowances	0	0	10	10	0
4250 - Other Contractual Services	18,421	3,600	3,600	20,000	16,400
4251 - Software Licenses and Maintenance	0	0	0	0	0
4270 - Professional Services	5,316,966	6,770,000	8,575,000	10,125,000	1,550,000
4430 - Miscellaneous Supplies	234	500	1,000	500	(500)
4460 - Other Materials & Supplies	7,414	300	76,000	7,000	(69,000)
4500 - Education and Training	40	21,800	21,800	1,500	(20,300)
4720 - Conference Travel & Expenses	19,996	47,900	32,700	1,550	(31,150)
4815 - Repair & Maint - Equipment	1,524	0	0	2,000	2,000
4910 - Miscellaneous Fees & Registration	0	1,800	2,000	0	(2,000)
8050 - Equipment (under \$5,000)	2,422	5,000	0	0	0
Materials, Supplies and Services	5,367,017	6,850,900	8,712,110	10,157,560	1,445,450
1270 - General Plant & Equip (over \$5,000)	55,812	75,000	0	0	0
Equipment	55,812	75,000	0	0	0
Total Water Quality Administration	5,811,270	7,331,200	9,119,410	10,495,360	1,375,950

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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 and special water quality studies.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	531,140	576,200	552,000	538,300	(13,700)
4120 - Overtime	50,542	25,000	50,000	50,000	0
4130 - Miscellaneous (Payroll)	0	0	40,000	30,000	(10,000)
Personnel Services	581,681	601,200	642,000	618,300	(23,700)
4160 - Meals; Mileage & Uniform Allowances	1,391	2,000	1,200	1,400	200
4250 - Other Contractual Services	478,727	665,800	662,300	665,600	3,300
4270 - Professional Services	80,048	100,000	140,000	91,000	(49,000)
4430 - Miscellaneous Supplies	0	1,820	1,820	0	(1,820)
4460 - Other Materials & Supplies	33,033	42,000	40,000	0	(40,000)
4500 - Education and Training	138	740	1,720	1,600	(120)
4720 - Conference Travel & Expenses	850	6,300	6,300	1,000	(5,300)
4815 - Repair & Maint - Equipment	39	10,000	15,000	6,750	(8,250)
4910 - Miscellaneous Fees & Registration	1,953	7,500	7,500	7,700	200
8050 - Equipment (under \$5,000)	0	7,390	8,050	2,000	(6,050)
Materials, Supplies and Services	596,179	843,550	883,890	777,050	(106,840)
1270 - General Plant & Equip (over \$5,000)	0	0	8,000	0	(8,000)
Equipment	0	0	8,000	0	(8,000)
Total Chemical Laboratory	1,177,860	1,444,750	1,533,890	1,395,350	(138,540)

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

WQ - Water Quality

5252 - Microbiological Laboratory

Section's Activity

The Microbiological Laboratory performs the 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 and special water quality studies

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	478,968	515,900	618,800	618,600	(200)
4120 - Overtime	40,426	120,000	120,000	50,000	(70,000)
4130 - Miscellaneous (Payroll)	0	1,000	30,000	30,000	0
Personnel Services	519,394	636,900	768,800	698,600	(70,200)
4160 - Meals; Mileage & Uniform Allowances	2,028	5,000	5,000	5,000	0
4250 - Other Contractual Services	107,902	5,500	5,600	11,500	5,900
4251 - Software Licenses and Maintenance	101,854	85,000	0	0	0
4270 - Professional Services	0	100,000	100,000	75,000	(25,000)
4430 - Miscellaneous Supplies	0	0	0	0	0
4460 - Other Materials & Supplies	69,399	56,000	58,000	70,000	12,000
4500 - Education and Training	265	4,200	5,600	4,200	(1,400)
4720 - Conference Travel & Expenses	4,595	11,800	13,300	0	(13,300)
4815 - Repair & Maint - Equipment	2,142	4,000	4,000	3,000	(1,000)
4910 - Miscellaneous Fees & Registration	7,628	9,100	14,200	15,000	800
8050 - Equipment (under \$5,000)	19,893	12,000	4,900	2,100	(2,800)
Materials, Supplies and Services	315,705	292,600	210,600	185,800	(24,800)
E 1270 - General Plant & Equip (over \$5,000)	0	80,500	20,000	6,000	(14,000)
Equipment	0	80,500	20,000	6,000	(14,000)
Total Microbiological Laboratory	835,099	1,010,000	999,400	890,400	(109,000)

Budget Highlights

**Board of Water Supply
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WQ - Water Quality

5255 - Cross-Connection Control

Section's Activity

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	227,996	187,000	278,900	280,700	1,800
4120 - Overtime	70,057	150,000	150,000	100,000	(50,000)
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	298,053	337,000	428,900	380,700	(48,200)
4160 - Meals; Mileage & Uniform Allowances	2,835	7,000	7,000	5,000	(2,000)
4250 - Other Contractual Services	7,008	6,500	9,000	7,000	(2,000)
4460 - Other Materials & Supplies	5,360	50,000	44,000	53,000	9,000
4500 - Education and Training	0	0	0	3,000	3,000
4815 - Repair & Maint - Equipment	0	18,100	17,500	17,500	0
4910 - Miscellaneous Fees & Registration	1,000	3,500	3,000	1,000	(2,000)
8050 - Equipment (under \$5,000)	6,945	27,900	54,500	4,300	(50,200)
Materials, Supplies and Services	23,148	113,000	135,000	90,800	(44,200)
E 1270 - General Plant & Equip (over \$5,000)	0	0	5,000	68,000	63,000
Equipment	0	0	5,000	68,000	63,000
Total Cross-Connection Control	321,201	450,000	568,900	539,500	(29,400)

Budget Highlights

**Board of Water Supply
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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; and maintains accounts receivable; investigates consumers' service problems; and collects water and sewer bills. It is responsible for 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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	3,077,451	3,747,100	4,028,900	3,952,400	(76,500)
4120 - Overtime	276,353	437,100	451,000	327,440	(123,560)
4130 - Miscellaneous (Payroll)	78,162	194,000	116,000	119,000	3,000
Personnel Services	3,431,966	4,378,200	4,595,900	4,398,840	(197,060)
4160 - Meals; Mileage & Uniform Allowances	20,023	29,540	29,560	32,700	3,140
4220 - Collection Fees	491,768	850,000	876,000	872,820	(3,180)
4250 - Other Contractual Services	244,883	139,200	66,645	77,420	10,775
4267 - Printed forms	541	5,000	5,000	3,680	(1,320)
4410 - Gasoline	20	0	0	0	0
4430 - Miscellaneous Supplies	7,058	19,200	17,200	11,900	(5,300)
4460 - Other Materials & Supplies	16,659	11,700	14,000	14,500	500
4480 - Postage	15,386	15,000	15,600	30,000	14,400
4500 - Education and Training	7,982	59,000	13,800	12,000	(1,800)
4720 - Conference Travel & Expenses	550	7,000	0	0	0
4815 - Repair & Maint - Equipment	739	6,000	6,000	11,200	5,200
4910 - Miscellaneous Fees & Registration	35	2,600	8,400	6,650	(1,750)
8050 - Equipment (under \$5,000)	32,479	44,700	33,700	1,700	(32,000)
Materials, Supplies and Services	838,123	1,188,940	1,085,905	1,074,570	(11,335)
E 1270 - General Plant & Equip (over \$5,000)	119,082	56,000	10,000	10,000	0
Equipment	119,082	56,000	10,000	10,000	0
Total CC - Customer Care	4,389,171	5,623,140	5,691,805	5,483,410	(208,395)

Notes

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	263,886	298,700	266,300	265,600	(700)
4120 - Overtime	5,498	5,100	6,000	7,440	1,440
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	269,384	303,800	272,300	273,040	740
4160 - Meals; Mileage & Uniform Allowances	170	240	200	200	0
4250 - Other Contractual Services	125,802	79,600	5,620	8,120	2,500
4430 - Miscellaneous Supplies	6,934	15,000	13,800	10,000	(3,800)
4460 - Other Materials & Supplies	925	0	0	0	0
4480 - Postage	649	0	0	0	0
4500 - Education and Training	7,982	50,000	12,000	0	(12,000)
4720 - Conference Travel & Expenses	550	7,000	0	0	0
4910 - Miscellaneous Fees & Registration	35	600	400	900	500
8050 - Equipment (under \$5,000)	898	0	2,700	1,000	(1,700)
Materials, Supplies and Services	143,944	152,440	34,720	20,220	(14,500)
Total Customer Care Administration	413,328	456,240	307,020	293,260	(13,760)

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	493,412	687,500	842,800	734,100	(108,700)
4120 - Overtime	12,287	12,000	15,000	25,000	10,000
4130 - Miscellaneous (Payroll)	45,030	57,000	30,000	30,000	0
Personnel Services	550,729	756,500	887,800	789,100	(98,700)
4160 - Meals; Mileage & Uniform Allowances	1,492	3,600	4,260	5,500	1,240
4220 - Collection Fees	491,768	850,000	876,000	872,820	(3,180)
4250 - Other Contractual Services	54,750	17,000	18,425	24,100	5,675
4267 - Printed forms	541	5,000	5,000	3,680	(1,320)
4430 - Miscellaneous Supplies	124	4,200	3,400	1,900	(1,500)
4460 - Other Materials & Supplies	415	0	1,500	2,500	1,000
4480 - Postage	14,736	15,000	15,600	30,000	14,400
4500 - Education and Training	0	6,000	1,800	0	(1,800)
4815 - Repair & Maint - Equipment	0	0	0	1,200	1,200
8050 - Equipment (under \$5,000)	204	1,200	6,000	700	(5,300)
Materials, Supplies and Services	564,032	902,000	931,985	942,400	10,415
1270 - General Plant & Equip (over \$5,000)	0	36,000	0	0	0
Equipment	0	36,000	0	0	0
Total Collection and Credit	1,114,761	1,694,500	1,819,785	1,731,500	(88,285)

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	284,518	492,800	377,700	394,600	16,900
4120 - Overtime	13,363	10,000	20,000	20,000	0
4130 - Miscellaneous (Payroll)	0	53,000	0	0	0
Personnel Services	297,881	555,800	397,700	414,600	16,900
4160 - Meals; Mileage & Uniform Allowances	848	600	0	0	0
4250 - Other Contractual Services	528	600	600	600	0
4460 - Other Materials & Supplies	1,510	1,200	2,000	2,000	0
Materials, Supplies and Services	2,886	2,400	2,600	2,600	0
E 1270 - General Plant & Equip (over \$5,000)	102,700	0	0	0	0
Equipment	102,700	0	0	0	0
Total Service Engineering	403,467	558,200	400,300	417,200	16,900

Budget Highlights

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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.

A reorganization transferred this program to the Water Quality Division (see page OP-14)

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	21,495	0	0	0	0
4120 - Overtime	6,737	0	0	0	0
Personnel Services	28,231	0	0	0	0
M 4160 - Meals; Mileage & Uniform Allowances	110	0	0	0	0
4250 - Other Contractual Services	28,961	0	0	0	0
4460 - Other Materials & Supplies	9,948	0	0	0	0
Materials, Supplies and Services	39,019	0	0	0	0
Total Cross-Connection Control	67,251	0	0	0	0

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

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; prepares statistical reports on services and handles inquiries and complaints regarding BWS operations, policies, rates and high water bills. Assists other BWS personnel in other divisions with information, statistics, and status of accounts via computer terminals and services files.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	802,147	1,129,000	1,287,800	1,361,100	73,300
4120 - Overtime	27,570	50,000	50,000	50,000	0
4130 - Miscellaneous (Payroll)	31,834	25,000	27,000	30,000	3,000
Personnel Services	861,551	1,204,000	1,364,800	1,441,100	76,300
4160 - Meals; Mileage & Uniform Allowances	2,510	2,700	2,700	7,000	4,300
4250 - Other Contractual Services	0	0	0	600	600
4460 - Other Materials & Supplies	10	0	0	0	0
4500 - Education and Training	0	3,000	0	12,000	12,000
8050 - Equipment (under \$5,000)	916	3,000	0	0	0
Materials, Supplies and Services	3,436	8,700	2,700	19,600	16,900
Total Customer Service and Records	864,987	1,212,700	1,367,500	1,460,700	93,200

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,211,993	1,139,100	1,254,300	1,197,000	(57,300)
4120 - Overtime	210,899	360,000	360,000	225,000	(135,000)
4130 - Miscellaneous (Payroll)	1,298	59,000	59,000	59,000	0
Personnel Services	1,424,190	1,558,100	1,673,300	1,481,000	(192,300)
4160 - Meals; Mileage & Uniform Allowances	14,893	22,400	22,400	20,000	(2,400)
4250 - Other Contractual Services	34,842	42,000	42,000	44,000	2,000
4410 - Gasoline	20	0	0	0	0
4460 - Other Materials & Supplies	3,851	10,500	10,500	10,000	(500)
4815 - Repair & Maint - Equipment	739	6,000	6,000	10,000	4,000
4910 - Miscellaneous Fees & Registration	0	2,000	8,000	5,750	(2,250)
8050 - Equipment (under \$5,000)	30,461	40,500	25,000	0	(25,000)
Materials, Supplies and Services	84,806	123,400	113,900	89,750	(24,150)
E 1270 - General Plant & Equip (over \$5,000)	16,382	20,000	10,000	10,000	0
Equipment	16,382	20,000	10,000	10,000	0
Total Investigation	1,525,378	1,701,500	1,797,200	1,580,750	(216,450)

Budget Highlights

**Board of Water Supply
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LAND - Land

Section's Activity

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

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	196,184	253,100	285,300	309,600	24,300
4120 - Overtime	18,694	21,500	24,300	24,300	0
4130 - Miscellaneous (Payroll)	4,355	0	0	0	0
Personnel Services	219,232	274,600	309,600	333,900	24,300
4160 - Meals; Mileage & Uniform Allowances	30	1,000	1,000	1,000	0
4210 - Appraisals; Title Searches & Related Costs	144,698	452,500	222,500	161,000	(61,500)
4250 - Other Contractual Services	13,989	14,300	14,300	14,100	(200)
4270 - Professional Services	0	0	1,200,000	500,000	(700,000)
4430 - Miscellaneous Supplies	593	600	600	600	0
4460 - Other Materials & Supplies	16	0	0	0	0
4480 - Postage	368	200	700	450	(250)
4500 - Education and Training	200	0	0	0	0
4720 - Conference Travel & Expenses	0	400	0	0	0
4815 - Repair & Maint - Equipment	277	0	240	240	0
4910 - Miscellaneous Fees & Registration	20,308	20,500	20,400	20,400	0
5710 - Rent	0	56,000	0	0	0
8050 - Equipment (under \$5,000)	449	500	0	1,300	1,300
Materials, Supplies and Services	180,930	546,000	1,459,740	699,090	(760,650)
Total Land	400,162	820,600	1,769,340	1,032,990	(736,350)

Budget Highlights

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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; administers and coordinates the review of development related proposals for the availability of water and water system adequacy; and administers the water conservation and recycled water programs.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,132,525	2,465,500	2,494,300	2,636,200	141,900
4120 - Overtime	131,709	132,079	154,545	137,422	(17,123)
4130 - Miscellaneous (Payroll)	22,132	3,617	4,047	4,829	782
Personnel Services	2,286,366	2,601,196	2,652,892	2,778,451	125,559
4160 - Meals; Mileage & Uniform Allowances	5,613	5,010	5,320	4,873	(447)
4250 - Other Contractual Services	2,720,787	2,137,459	1,355,420	1,654,000	298,580
4255 - Other Services	112,406	811,615	944,258	1,107,547	163,289
4265 - Printing	0	1,000	1,000	1,000	0
4270 - Professional Services	1,464,900	1,380,000	1,500,000	1,500,000	0
4430 - Miscellaneous Supplies	4,614	10,000	10,000	5,000	(5,000)
4460 - Other Materials & Supplies	14,077	38,000	59,200	59,000	(200)
4480 - Postage	9	480	480	480	0
4500 - Education and Training	601	24,530	12,030	12,730	700
4680 - Telephone	0	0	2,400	2,400	0
4720 - Conference Travel & Expenses	19,524	63,910	69,470	66,260	(3,210)
4808 - Repair, Maintenance and Other Services - Photovoltaic (PV)	0	0	0	480,000	480,000
4810 - Repair & Maint - Recycled Water Plt	3,118,239	3,480,527	1,889,751	991,959	(897,792)
4815 - Repair & Maint - Equipment	12,800	31,600	31,330	31,790	460
4910 - Miscellaneous Fees & Registration	10,000	11,200	11,200	11,200	0
4920 - Non-Potable Water Trtmnt Plt Costs	4,164,838	4,668,060	4,662,868	4,307,792	(355,076)
4940 - US Geol Surv (USGS) CoOp Invest	61,100	72,000	790,000	950,000	160,000
8050 - Equipment (under \$5,000)	93,370	235,000	74,000	173,000	99,000
Materials, Supplies and Services	11,802,879	12,970,391	11,418,727	11,359,031	(59,696)
1270 - General Plant & Equip (over \$5,000)	0	90,000	90,000	21,500	(68,500)
Equipment	0	90,000	90,000	21,500	(68,500)
Total WR - Water Resources	14,089,245	15,661,587	14,161,619	14,158,982	(2,637)

Notes

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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 Division to meet the departmental requirements for water system and water resources management and development, conservation and projection; advises and keeps management informed on water resources and administers the pertinent rules and regulations.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	368,538	367,300	377,200	373,900	(3,300)
4120 - Overtime	0	2,000	2,000	2,000	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	368,538	369,300	379,200	375,900	(3,300)
4160 - Meals; Mileage & Uniform Allowances	0	0	0	0	0
4250 - Other Contractual Services	1,877,176	1,900,000	900,000	136,500	(763,500)
4430 - Miscellaneous Supplies	4,470	10,000	10,000	5,000	(5,000)
4480 - Postage	9	0	0	0	0
4500 - Education and Training	120	0	0	0	0
4720 - Conference Travel & Expenses	3,523	6,700	7,610	7,610	0
4815 - Repair & Maint - Equipment	83	200	200	200	0
4910 - Miscellaneous Fees & Registration	10,000	10,000	10,000	10,000	0
8050 - Equipment (under \$5,000)	945	0	0	0	0
Materials, Supplies and Services	1,896,326	1,926,900	927,810	159,310	(768,500)
Total Water Resources Administration	2,264,865	2,296,200	1,307,010	535,210	(771,800)

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	339,408	366,900	350,300	427,500	77,200
4120 - Overtime	2,229	7,438	8,645	8,645	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	341,637	374,338	358,945	436,145	77,200
4160 - Meals; Mileage & Uniform Allowances	197	880	880	880	0
4250 - Other Contractual Services	381	960	11,920	102,000	90,080
4430 - Miscellaneous Supplies	19	0	0	0	0
4460 - Other Materials & Supplies	529	1,500	1,500	1,500	0
4480 - Postage	0	480	480	480	0
4500 - Education and Training	206	18,670	8,670	8,670	0
4720 - Conference Travel & Expenses	1,750	11,350	13,170	13,170	0
4815 - Repair & Maint - Equipment	0	7,400	7,130	7,590	460
8050 - Equipment (under \$5,000)	6,527	6,000	0	0	0
Materials, Supplies and Services	9,609	47,240	43,750	134,290	90,540
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	21,500	21,500
Equipment	0	0	0	21,500	21,500
Total Water System Planning	351,246	421,578	402,695	591,935	189,240

Budget Highlights

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WR - Water Resources

5472 - Water Conservation

Section's Activity

Directs the water conservation activities of the department; Conducts the planning, engineering, research, development, and implementation of the department's external (demand-side) and internal (infrastructure) conservation programs, including water facilities energy conservation and efficiency programs and recycled and other nonpotable water programs.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	385,480	491,200	455,600	462,500	6,900
4120 - Overtime	83,678	41,205	41,205	41,205	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	469,158	532,405	496,805	503,705	6,900
4160 - Meals; Mileage & Uniform Allowances	3,335	1,150	1,150	1,003	(147)
4250 - Other Contractual Services	3,066	0	0	900,000	900,000
4270 - Professional Services	1,464,900	1,380,000	1,500,000	1,500,000	0
4430 - Miscellaneous Supplies	38	0	0	0	0
4460 - Other Materials & Supplies	5,725	10,450	15,450	9,250	(6,200)
4500 - Education and Training	0	1,600	1,600	1,600	0
4720 - Conference Travel & Expenses	8,991	17,300	24,750	22,940	(1,810)
4808 - Repair, Maintenance and Other Services - Photovoltaic (PV)	0	0	0	480,000	480,000
8050 - Equipment (under \$5,000)	67,340	130,000	0	75,000	75,000
Materials, Supplies and Services	1,553,397	1,540,500	1,542,950	2,989,793	1,446,843
Total Water Conservation	2,022,555	2,072,905	2,039,755	3,493,498	1,453,743

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
M 4250 - Other Contractual Services	92,946	144,000	168,000	240,000	72,000
4810 - Repair & Maint - Recycled Water Plt	3,118,239	3,480,527	1,889,751	991,959	(897,792)
4920 - Non-Potable Water Trtmnt Plt Costs	4,164,838	4,668,060	4,662,868	4,307,792	(355,076)
Materials, Supplies and Services	7,376,023	8,292,587	6,720,619	5,539,751	(1,180,868)
Total Recycled Water	7,376,023	8,292,587	6,720,619	5,539,751	(1,180,868)

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	308,288	489,300	526,800	527,400	600
4120 - Overtime	21,867	34,436	41,195	39,642	(1,553)
4130 - Miscellaneous (Payroll)	22,132	3,617	4,047	4,829	782
Personnel Services	352,287	527,353	572,042	571,871	(171)
4160 - Meals; Mileage & Uniform Allowances	721	1,000	1,000	1,000	0
4250 - Other Contractual Services	747,218	91,999	275,000	275,000	0
4255 - Other Services	112,406	811,615	944,258	1,107,547	163,289
4265 - Printing	0	1,000	1,000	1,000	0
4430 - Miscellaneous Supplies	9	0	0	0	0
4460 - Other Materials & Supplies	7,810	25,000	41,200	47,200	6,000
4500 - Education and Training	0	3,000	500	1,200	700
4680 - Telephone	0	0	2,400	2,400	0
4720 - Conference Travel & Expenses	400	14,250	12,500	11,800	(700)
4815 - Repair & Maint - Equipment	12,717	24,000	24,000	24,000	0
4910 - Miscellaneous Fees & Registration	0	1,200	1,200	1,200	0
4940 - US Geol Surv (USGS) CoOp Invest	61,100	72,000	790,000	950,000	160,000
8050 - Equipment (under \$5,000)	18,558	98,000	73,000	97,000	24,000
Materials, Supplies and Services	960,940	1,143,064	2,166,058	2,519,347	353,289
E 1270 - General Plant & Equip (over \$5,000)	0	90,000	90,000	0	(90,000)
Equipment	0	90,000	90,000	0	(90,000)
Total Hydrology-Geology	1,313,227	1,760,417	2,828,100	3,091,218	263,118

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	308,857	308,900	337,400	379,800	42,400
4120 - Overtime	3,313	3,600	4,800	4,800	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	312,170	312,500	342,200	384,600	42,400
4160 - Meals; Mileage & Uniform Allowances	0	150	300	300	0
4430 - Miscellaneous Supplies	60	0	0	0	0
4460 - Other Materials & Supplies	0	400	400	400	0
4500 - Education and Training	0	630	630	630	0
4720 - Conference Travel & Expenses	3,110	2,400	5,120	5,120	0
Materials, Supplies and Services	3,170	3,580	6,450	6,450	0
Total Project Review	315,339	316,080	348,650	391,050	42,400

Budget Highlights

**Board of Water Supply
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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.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	421,954	441,900	447,000	465,100	18,100
4120 - Overtime	20,622	43,400	56,700	41,130	(15,570)
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	442,576	485,300	503,700	506,230	2,530
4160 - Meals; Mileage & Uniform Allowances	1,359	1,830	1,990	1,690	(300)
4250 - Other Contractual Services	0	500	500	500	0
4430 - Miscellaneous Supplies	19	0	0	0	0
4460 - Other Materials & Supplies	11	650	650	650	0
4500 - Education and Training	275	630	630	630	0
4720 - Conference Travel & Expenses	1,750	11,910	6,320	5,620	(700)
8050 - Equipment (under \$5,000)	0	1,000	1,000	1,000	0
Materials, Supplies and Services	3,414	16,520	11,090	10,090	(1,000)
Total Long Range Planning	445,990	501,820	514,790	516,320	1,530

Budget Highlights

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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, meters, AMR components and corporation yards; maintaining all grounds; installing, maintaining, and repairing service connections; maintaining office buildings and physical control of the storerooms and storage yards.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	11,219,530	14,164,200	14,880,700	15,438,800	558,100
4120 - Overtime	2,111,555	1,712,000	2,470,000	2,445,000	(25,000)
4130 - Miscellaneous (Payroll)	289,515	1,012,000	993,800	1,037,400	43,600
Personnel Services	13,620,599	16,888,200	18,344,500	18,921,200	576,700
1110 - Materials & Supplies (Storeroom)	2,466,016	2,000,000	1,600,000	2,200,000	600,000
1120 - Meters (Storeroom)	1,236,444	1,500,000	2,200,000	2,375,000	175,000
1125 - AMR Materials & Supplies (Storeroom)	165,406	2,000,000	500,000	300,000	(200,000)
4160 - Meals; Mileage & Uniform Allowances	116,376	129,500	131,500	136,500	5,000
4210 - Appraisals; Title Searches & Related Costs	2,016	0	0	0	0
4230 - Emergency & Contracted Road Repairs	7,939,965	8,500,000	6,800,000	8,000,000	1,200,000
4250 - Other Contractual Services	1,632,521	2,463,000	1,612,000	1,612,000	0
4265 - Printing	491	0	0	0	0
4267 - Printed forms	509	0	0	0	0
4270 - Professional Services	287,504	110,000	75,000	75,000	0
4280 - Refuse Collection & Disposal	725,001	840,000	840,000	1,200,000	360,000
4410 - Gasoline	61,153	0	0	0	0
4420 - Hauling Charges	145,480	160,000	160,000	50,000	(110,000)
4430 - Miscellaneous Supplies	32,022	1,000	10,000	10,000	0
4460 - Other Materials & Supplies	704,461	296,200	1,041,000	525,000	(516,000)
4470 - Parts and Accessories	127,402	0	0	0	0
4500 - Education and Training	37,368	45,000	45,000	45,000	0
4720 - Conference Travel & Expenses	6,952	40,000	40,000	40,000	0
4805 - Repair & Maint - Structures	4,088	60,000	60,000	60,000	0
4815 - Repair & Maint - Equipment	118,721	33,000	43,000	43,000	0
4910 - Miscellaneous Fees & Registration	15,813	0	0	0	0
4915 - Miscellaneous Financial Expenses	0	0	0	0	0
4923 - Store Materials & Expense	280,221	750,000	750,000	750,000	0
8050 - Equipment (under \$5,000)	305,688	157,850	177,815	140,825	(36,990)
Materials, Supplies and Services	16,411,619	19,085,550	16,085,315	17,562,325	1,477,010
1270 - General Plant & Equip (over \$5,000)	656,512	284,000	105,000	28,000	(77,000)
Equipment	656,512	284,000	105,000	28,000	(77,000)
Total FO - Field Operations	30,688,730	36,257,750	34,534,815	36,511,525	1,976,710

Notes

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FO - Field Operations

5500 - Field Operations Administration

Section's Activity

Administers the affairs of the Field Operations Division.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	415,315	417,700	467,200	467,300	100
4120 - Overtime	10,079	5,000	5,000	10,000	5,000
4130 - Miscellaneous (Payroll)	0	30,000	10,000	10,000	0
Personnel Services	425,394	452,700	482,200	487,300	5,100
4160 - Meals; Mileage & Uniform Allowances	620	1,000	5,000	5,000	0
4230 - Emergency & Contracted Road Repairs	6,949,784	8,500,000	6,800,000	8,000,000	1,200,000
4250 - Other Contractual Services	148,741	450,000	375,000	375,000	0
4270 - Professional Services	71,241	110,000	75,000	75,000	0
4280 - Refuse Collection & Disposal	725,001	840,000	840,000	1,200,000	360,000
4430 - Miscellaneous Supplies	2,722	0	0	0	0
4460 - Other Materials & Supplies	21	0	0	0	0
4500 - Education and Training	21,267	45,000	45,000	45,000	0
4720 - Conference Travel & Expenses	6,952	40,000	40,000	40,000	0
4915 - Miscellaneous Financial Expenses	0	0	0	0	0
8050 - Equipment (under \$5,000)	6,129	3,000	0	0	0
Materials, Supplies and Services	7,932,477	9,989,000	8,180,000	9,740,000	1,560,000
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Field Operations Administration	8,357,871	10,441,700	8,662,200	10,227,300	1,565,100

Budget Highlights

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FO - Field Operations

5525 - Engineering & Technical Support Section

Section's Activity

The Engineering and Technical Support Section is responsible for the leak detection program; prepares plans and specifications, implements, and inspects the Indefinite Delivery Indefinite Quantity repaving work by contractors; prepares plans and specifications for capital projects under Field Operations' jurisdiction; review plans, specifications, and reports for BWS projects and projects that will be dedicated to BWS; evaluates new materials and equipment for maintenance requirements; and provide engineering support for field crews' work.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	323,951	443,900	477,200	386,800	(90,400)
4120 - Overtime	4,215	10,000	10,000	10,000	0
4130 - Miscellaneous (Payroll)	7,362	40,000	40,000	20,000	(20,000)
Personnel Services	335,528	493,900	527,200	416,800	(110,400)
4160 - Meals; Mileage & Uniform Allowances	712	3,500	3,500	3,500	0
4250 - Other Contractual Services	0	125,000	0	0	0
4460 - Other Materials & Supplies	0	10,000	10,000	10,000	0
4815 - Repair & Maint - Equipment	0	10,000	10,000	10,000	0
8050 - Equipment (under \$5,000)	18,195	28,500	0	8,250	8,250
Materials, Supplies and Services	18,907	177,000	23,500	31,750	8,250
E 1270 - General Plant & Equip (over \$5,000)	39,090	40,000	65,000	20,000	(45,000)
Equipment	39,090	40,000	65,000	20,000	(45,000)
Total Technical & Operational Support Branch	393,525	710,900	615,700	468,550	(147,150)

Budget Highlights

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FO - Field Operations

5552 - Meter Maintenance Section

Section's Activity

The Meter Maintenance Section operates and maintains the meter shop for testing and repairing meters; conducts annual meter and AMR maintenance 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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	893,781	1,216,200	1,435,900	1,310,000	(125,900)
4120 - Overtime	6,681	60,000	60,000	30,000	(30,000)
4130 - Miscellaneous (Payroll)	2,412	45,000	40,000	40,000	0
Personnel Services	902,873	1,321,200	1,535,900	1,380,000	(155,900)
1120 - Meters (Storeroom)	1,236,444	1,500,000	2,200,000	2,375,000	175,000
1125 - AMR Materials & Supplies (Storeroom)	165,406	2,000,000	500,000	300,000	(200,000)
4160 - Meals; Mileage & Uniform Allowances	1,636	3,000	3,000	3,000	0
4250 - Other Contractual Services	159,194	25,000	25,000	25,000	0
4430 - Miscellaneous Supplies	0	0	0	0	0
4460 - Other Materials & Supplies	33,585	30,000	30,000	30,000	0
4910 - Miscellaneous Fees & Registration	0	0	0	0	0
8050 - Equipment (under \$5,000)	2,432	43,700	13,075	29,975	16,900
Materials, Supplies and Services	1,598,697	3,601,700	2,771,075	2,762,975	(8,100)
1270 - General Plant & Equip (over \$5,000)	0	244,000	0	0	0
Equipment	0	244,000	0	0	0
Total Technical & Operational Support Branch	2,501,570	5,166,900	4,306,975	4,142,975	(164,000)

Budget Highlights

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FO - Field Operations

5585 - Storeroom Section

Section's Activity

The Storeroom 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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	293,563	312,400	337,700	334,700	(3,000)
4120 - Overtime	6,067	6,000	5,000	5,000	0
4130 - Miscellaneous (Payroll)	419	30,000	10,000	10,000	0
Personnel Services	300,049	348,400	352,700	349,700	(3,000)
1110 - Materials & Supplies (Storeroom)	1,786,677	2,000,000	1,600,000	2,200,000	600,000
4160 - Meals; Mileage & Uniform Allowances	2,016	4,000	4,000	4,000	0
4250 - Other Contractual Services	23,325	0	0	0	0
4420 - Hauling Charges	145,480	160,000	160,000	50,000	(110,000)
4460 - Other Materials & Supplies	221,635	70,000	770,000	250,000	(520,000)
4500 - Education and Training	8	0	0	0	0
4923 - Store Materials & Expense	198,148	750,000	750,000	750,000	0
8050 - Equipment (under \$5,000)	0	1,800	0	0	0
Materials, Supplies and Services	2,377,288	2,985,800	3,284,000	3,254,000	(30,000)
Total Technical & Operational Support Branch	2,677,337	3,334,200	3,636,700	3,603,700	(33,000)

Budget Highlights

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FO - Field Operations

5519 - Maintenance Support Branch

Section's Activity

The Maintenance Support Branch directs and coordinates the activities pertaining to the landscaping and maintenance of grounds, and the maintenance of Beretania Complex buildings and corporation yards.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	210,055	228,000	228,600	235,500	6,900
4120 - Overtime	35,365	30,000	40,000	40,000	0
4130 - Miscellaneous (Payroll)	1,325	59,600	64,800	64,800	0
Personnel Services	246,745	317,600	333,400	340,300	6,900
4160 - Meals; Mileage & Uniform Allowances	988	0	0	0	0
Materials, Supplies and Services	988	0	0	0	0
Total Maintenance Support Branch	247,733	317,600	333,400	340,300	6,900

Budget Highlights

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FO - Field Operations

5522 - Grounds Section

Section's Activity

The Grounds Sections is responsible for the maintenance of grounds and landscaped areas at Beretania Complex, Halawa Garden, corporation yards, pump stations, reservoirs, and well sites; maintain BWS access roads from vegetation overgrowth; and prepares, implements, and oversees contracts for private contractors to perform major tree trimming and maintenance work at dam sites.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,583,656	1,915,700	1,993,000	1,998,700	5,700
4120 - Overtime	5,047	70,000	50,000	50,000	0
4130 - Miscellaneous (Payroll)	65,107	60,000	70,000	70,000	0
Personnel Services	1,653,810	2,045,700	2,113,000	2,118,700	5,700
4160 - Meals; Mileage & Uniform Allowances	3,368	6,000	6,000	6,000	0
4250 - Other Contractual Services	622,356	1,358,000	1,000,000	1,000,000	0
4460 - Other Materials & Supplies	53,485	30,000	40,000	40,000	0
4470 - Parts and Accessories	389	0	0	0	0
4815 - Repair & Maint - Equipment	3,921	5,000	5,000	5,000	0
8050 - Equipment (under \$5,000)	5,620	11,570	12,800	11,100	(1,700)
Materials, Supplies and Services	689,139	1,410,570	1,063,800	1,062,100	(1,700)
Total Maintenance Support Branch	2,342,949	3,456,270	3,176,800	3,180,800	4,000

Budget Highlights

- 4250 – Other Contractual Services: Tree trimming, maintenance at Nuuanu Reservoir dams, Mauna Olu Reservoir dam, Makaha fire breaks.

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FO - Field Operations

5553 - Building Custodial Section

Section's Activity

Maintains Beretania Complex buildings, Kalihi Office buildings, and Kalihi Museum.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	409,738	434,400	446,900	454,800	7,900
4120 - Overtime	33,465	15,000	30,000	30,000	0
4130 - Miscellaneous (Payroll)	5,639	10,000	10,000	10,000	0
Personnel Services	448,842	459,400	486,900	494,800	7,900
4160 - Meals; Mileage & Uniform Allowances	4,468	2,000	0	5,000	5,000
4250 - Other Contractual Services	2,925	13,000	13,000	13,000	0
4460 - Other Materials & Supplies	10,517	8,000	8,000	12,000	4,000
4805 - Repair & Maint - Structures	0	10,000	10,000	10,000	0
8050 - Equipment (under \$5,000)	0	1,230	3,180	5,000	1,820
Materials, Supplies and Services	17,910	34,230	34,180	45,000	10,820
Total Maintenance Support Branch	466,752	493,630	521,080	539,800	18,720

Budget Highlights

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FO - Field Operations

5535 - Metropolitan Field Services District

Section's Activity

Administers the affairs of the Metropolitan Field Services District. Conducts all emergency repair operations and maintenance work involving the water system and appurtenances within the Metropolitan District, including all mains, valves, service connections, fire hydrants, reservoir disinfection work, and appurtenant concrete work; repair reservoirs and buildings; construct pipelines and miscellaneous projects; conducts Sanitary Survey inspection work; and provides clerical support for Engineering & Technical Support Section (5525), and the Maintenance Support Branch (5519).

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
4110 - Salaries & Wages	3,434,172	4,292,100	4,526,900	4,812,400	285,500
4120 - Overtime	998,258	700,000	1,000,000	1,000,000	0
4130 - Miscellaneous (Payroll)	64,639	335,800	358,400	368,000	9,600
Personnel Services	4,497,068	5,327,900	5,885,300	6,180,400	295,100
1110 - Materials & Supplies (Storeroom)	679,339	0	0	0	0
4160 - Meals; Mileage & Uniform Allowances	53,104	50,000	50,000	50,000	0
4210 - Appraisals; Title Searches & Related Costs	2,016	0	0	0	0
4230 - Emergency & Contracted Road Repairs	990,182	0	0	0	0
4250 - Other Contractual Services	658,376	477,000	177,000	177,000	0
4265 - Printing	491	0	0	0	0
4267 - Printed forms	509	0	0	0	0
4270 - Professional Services	216,263	0	0	0	0
4280 - Refuse Collection & Disposal	0	0	0	0	0
4410 - Gasoline	61,133	0	0	0	0
4430 - Miscellaneous Supplies	28,562	0	6,000	6,000	0
4460 - Other Materials & Supplies	302,155	90,000	90,000	90,000	0
4470 - Parts and Accessories	127,014	0	0	0	0
4500 - Education and Training	12,625	0	0	0	0
4805 - Repair & Maint - Structures	4,088	50,000	50,000	50,000	0
4815 - Repair & Maint - Equipment	106,923	5,000	15,000	15,000	0
4910 - Miscellaneous Fees & Registration	15,222	0	0	0	0
4923 - Store Materials & Expense	82,073	0	0	0	0
8050 - Equipment (under \$5,000)	243,813	28,400	55,600	24,950	(30,650)
Materials, Supplies and Services	3,583,889	700,400	443,600	412,950	(30,650)
1270 - General Plant & Equip (over \$5,000)	608,932	0	20,000	0	(20,000)
Equipment	608,932	0	20,000	0	(20,000)
Total Metropolitan Field Services District	8,689,889	6,028,300	6,348,900	6,593,350	244,450

Budget Highlights

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FO - Field Operations

5540 - Suburban Field Services District

Section's Activity

Administers the affairs of the Suburban Field Services Branch. Directs and coordinates the activities pertaining to maintenance of pipelines and appurtenances, building and corporation yards, provides clerical support to sections of the branch (5541 – Manana, 5542 – Wahiawa, 5543 – Waianae, and 5560 Windward).

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	80,782	95,100	102,600	102,700	100
4120 - Overtime	318	1,000	0	0	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	81,100	96,100	102,600	102,700	100
4160 - Meals; Mileage & Uniform Allowances	0	0	0	0	0
4250 - Other Contractual Services	1,920	0	1,000	1,000	0
4430 - Miscellaneous Supplies	704	1,000	4,000	4,000	0
4460 - Other Materials & Supplies	0	0	0	0	0
Materials, Supplies and Services	2,624	1,000	5,000	5,000	0
1270 - General Plant & Equip (over \$5,000)	0	0	20,000	0	(20,000)
Equipment	0	0	20,000	0	(20,000)
Total Administration Section	83,725	97,100	127,600	107,700	(19,900)

Budget Highlights

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FO - Field Operations

5541 - Manana Section

Section's Activity

Conducts all emergency repair operations and maintenance work involving the water system and appurtenances within the Manana District, including all mains, valves, service connections, fire hydrants, reservoir disinfection work, and appurtenant concrete work; repair reservoirs and buildings; construct pipelines and miscellaneous projects; and conducts Sanitary Survey inspection work.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,154,330	1,777,000	1,810,400	1,972,700	162,300
4120 - Overtime	407,124	300,000	500,000	500,000	0
4130 - Miscellaneous (Payroll)	19,486	161,600	142,600	159,400	16,800
Personnel Services	1,580,940	2,238,600	2,453,000	2,632,100	179,100
4160 - Meals; Mileage & Uniform Allowances	18,596	20,000	20,000	20,000	0
4250 - Other Contractual Services	1,830	15,000	15,000	15,000	0
4460 - Other Materials & Supplies	56,580	30,000	60,000	60,000	0
4500 - Education and Training	3,468	0	0	0	0
4815 - Repair & Maint - Equipment	6,550	5,000	5,000	5,000	0
4910 - Miscellaneous Fees & Registration	187	0	0	0	0
8050 - Equipment (under \$5,000)	12,599	19,200	55,450	18,950	(36,500)
Materials, Supplies and Services	99,810	89,200	155,450	118,950	(36,500)
E 1270 - General Plant & Equip (over \$5,000)	8,490	0	0	0	0
Equipment	8,490	0	0	0	0
Total Administration Section	1,689,240	2,327,800	2,608,450	2,751,050	142,600

Budget Highlights

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FO - Field Operations

5542 - Wahiawa Section

Section's Activity

Conducts all emergency repair operations and maintenance work involving the water distribution system and appurtenances within the Wahiawa District, including all mains, valves, service connections, fire hydrants, reservoir disinfection work, and appurtenant concrete work; repair reservoirs and buildings; construct pipelines and miscellaneous projects; and conducts Sanitary Survey inspection work.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	384,008	645,300	701,400	760,500	59,100
4120 - Overtime	111,521	155,000	160,000	160,000	0
4130 - Miscellaneous (Payroll)	8,549	56,400	56,600	79,000	22,400
Personnel Services	504,078	856,700	918,000	999,500	81,500
4160 - Meals; Mileage & Uniform Allowances	4,366	11,000	11,000	11,000	0
4250 - Other Contractual Services	594	0	0	0	0
4410 - Gasoline	20	0	0	0	0
4460 - Other Materials & Supplies	9,504	8,000	12,000	12,000	0
4815 - Repair & Maint - Equipment	397	3,000	3,000	3,000	0
4910 - Miscellaneous Fees & Registration	214	0	0	0	0
8050 - Equipment (under \$5,000)	7,580	9,900	3,800	8,600	4,800
Materials, Supplies and Services	22,675	31,900	29,800	34,600	4,800
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	8,000	8,000
Equipment	0	0	0	8,000	8,000
Total Administration Section	526,753	888,600	947,800	1,042,100	94,300

Budget Highlights

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FO - Field Operations

5543 - Waianae Section

Section's Activity

Conducts all emergency repair operations and maintenance work involving the water distribution system and appurtenances within the Waianae District, including all mains, valves, service connections, fire hydrants, reservoir disinfection work, and appurtenant concrete work; repair reservoirs and buildings; construct pipelines and miscellaneous projects; and conducts Sanitary Survey inspection work.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	761,107	776,900	796,800	836,000	39,200
4120 - Overtime	274,410	230,000	360,000	360,000	0
4130 - Miscellaneous (Payroll)	49,224	81,200	73,800	73,800	0
Personnel Services	1,084,741	1,088,100	1,230,600	1,269,800	39,200
4160 - Meals; Mileage & Uniform Allowances	13,645	17,000	17,000	17,000	0
4250 - Other Contractual Services	7,557	0	0	0	0
4460 - Other Materials & Supplies	5,269	6,200	7,000	7,000	0
4815 - Repair & Maint - Equipment	930	2,500	2,500	2,500	0
4910 - Miscellaneous Fees & Registration	82	0	0	0	0
8050 - Equipment (under \$5,000)	4,435	4,400	19,410	0	(19,410)
Materials, Supplies and Services	31,919	30,100	45,910	26,500	(19,410)
Total Administration Section	1,116,660	1,118,200	1,276,510	1,296,300	19,790

Budget Highlights

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FO - Field Operations

5560 - Windward Section

Section's Activity

Conducts all emergency repair operations and maintenance work involving the water distribution system and appurtenances within the Windward District, including all mains, valves, service connections, fire hydrants, reservoir disinfection work, and appurtenant concrete work; repair reservoirs and buildings; construct pipelines and miscellaneous projects; and conducts Sanitary Survey inspection work.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,275,072	1,609,500	1,556,100	1,766,700	210,600
4120 - Overtime	219,005	130,000	250,000	250,000	0
4130 - Miscellaneous (Payroll)	65,353	102,400	117,600	132,400	14,800
Personnel Services	1,559,430	1,841,900	1,923,700	2,149,100	225,400
4160 - Meals; Mileage & Uniform Allowances	12,855	12,000	12,000	12,000	0
4250 - Other Contractual Services	5,701	0	6,000	6,000	0
4430 - Miscellaneous Supplies	35	0	0	0	0
4460 - Other Materials & Supplies	11,712	14,000	14,000	14,000	0
4815 - Repair & Maint - Equipment	0	2,500	2,500	2,500	0
4910 - Miscellaneous Fees & Registration	108	0	0	0	0
8050 - Equipment (under \$5,000)	4,886	6,150	14,500	34,000	19,500
Materials, Supplies and Services	35,296	34,650	49,000	68,500	19,500
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Administration Section	1,594,726	1,876,550	1,972,700	2,217,600	244,900

Budget Highlights

**Board of Water Supply
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CP - Capital Projects

Division/Office's Activity

The Capital Projects Division develops and directs engineering policy and programs to carry out the Department's mission, vision, goals and objectives; formulates and implements the annual Capital Improvement Program budget; develops, implements and maintains programs to address water infrastructure needs; ensures all improvements to the municipal water system are designed and constructed in compliance with the Department's standards and policies; coordinates construction schedules and requirements between operational units and external entities; and provides advisory services to other units and staff services for executive decision-making.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	4,506,290	5,573,900	4,924,500	5,335,600	411,100
4120 - Overtime	458,968	490,100	464,000	444,000	(20,000)
4130 - Miscellaneous (Payroll)	6,273	317,300	27,800	273,300	245,500
Personnel Services	4,971,531	6,381,300	5,416,300	6,052,900	636,600
4160 - Meals; Mileage & Uniform Allowances	13,272	24,300	17,200	16,900	(300)
4250 - Other Contractual Services	494,388	917,200	445,200	439,200	(6,000)
4260 - Advertising & Publication of Notices	0	5,000	3,000	3,000	0
4270 - Professional Services	0	0	1,500,000	1,500,000	0
4430 - Miscellaneous Supplies	3,368	3,000	4,000	4,000	0
4460 - Other Materials & Supplies	5,702	41,600	35,800	35,200	(600)
4500 - Education and Training	11,134	43,100	33,300	53,300	20,000
4720 - Conference Travel & Expenses	3,602	22,000	0	0	0
4815 - Repair & Maint - Equipment	4,218	5,300	5,300	5,300	0
4910 - Miscellaneous Fees & Registration	307	1,050	400	400	0
8050 - Equipment (under \$5,000)	898	6,150	0	2,000	2,000
Materials, Supplies and Services	536,888	1,068,700	2,044,200	2,059,300	15,100
E 1270 - General Plant & Equip (over \$5,000)	0	81,000	250,000	250,000	0
Equipment	0	81,000	250,000	250,000	0
Total CP - Capital Projects	5,508,419	7,531,000	7,710,500	8,362,200	651,700

Notes

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CP - Capital Projects

5565 - Administration

Section's Activity

Engineering Administration develops and directs programs involving the planning, design, inspection and execution of all projects that are incorporated into the public water system

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	469,929	568,300	531,000	547,700	16,700
4120 - Overtime	53,576	0	50,000	40,000	(10,000)
4130 - Miscellaneous (Payroll)	0	300	300	300	0
Personnel Services	523,505	568,600	581,300	588,000	6,700
4160 - Meals; Mileage & Uniform Allowances	50	0	500	500	0
4250 - Other Contractual Services	222,702	619,200	119,200	134,200	15,000
4260 - Advertising & Publication of Notices	0	5,000	3,000	3,000	0
4270 - Professional Services	0	0	1,500,000	1,500,000	0
4430 - Miscellaneous Supplies	2,517	2,500	2,500	2,500	0
4460 - Other Materials & Supplies	105	23,500	23,500	23,500	0
4500 - Education and Training	4,257	4,650	0	20,000	20,000
4720 - Conference Travel & Expenses	1,252	2,300	0	0	0
4815 - Repair & Maint - Equipment	110	1,000	1,000	1,000	0
4910 - Miscellaneous Fees & Registration	307	550	200	200	0
8050 - Equipment (under \$5,000)	898	500	0	0	0
Materials, Supplies and Services	232,199	659,200	1,649,900	1,684,900	35,000
E 1270 - General Plant & Equip (over \$5,000)	0	8,000	250,000	250,000	0
Equipment	0	8,000	250,000	250,000	0
Total Administration	755,704	1,235,800	2,481,200	2,522,900	41,700

Budget Highlights

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CP - Capital Projects

5570 - Design & Plans Review

Section's Activity

The Design and Plans Review Branch formulates design and construction projects to address the needs of the Department; prepares and reviews plans, specifications, and cost estimates; coordinates and secures all necessary project approvals, permits and clearances for modifications or extensions to the municipal water system; and reviews all public and private construction plans for conformance with the Department's standards and policies and approved water master plans

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	839,992	1,089,800	952,500	1,065,200	112,700
4120 - Overtime	41,283	72,000	50,000	40,000	(10,000)
4130 - Miscellaneous (Payroll)	0	4,000	0	0	0
Personnel Services	881,276	1,165,800	1,002,500	1,105,200	102,700
4160 - Meals; Mileage & Uniform Allowances	170	2,000	200	200	0
4430 - Miscellaneous Supplies	0	0	1,000	1,000	0
4460 - Other Materials & Supplies	378	2,000	0	0	0
4500 - Education and Training	2,919	7,500	4,000	4,000	0
4720 - Conference Travel & Expenses	0	3,600	0	0	0
8050 - Equipment (under \$5,000)	0	1,400	0	0	0
Materials, Supplies and Services	3,467	16,500	5,200	5,200	0
Total Design & Plans Review	884,743	1,182,300	1,007,700	1,110,400	102,700

Budget Highlights

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CP - Capital Projects

5575 - Construction

Section's Activity

The Construction Branch administers the Department's construction contracts; plans and coordinates construction schedules; oversees all construction activities associated with projects that impact BWS facilities and assets; and ensures all construction, whether by the BWS or by other public and private interests, is completed in accordance with approved construction and accepted engineering practices in accordance with the Department's standards and policies, and approved construction plans and specifications

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,080,127	2,503,400	2,173,600	2,383,000	209,400
4120 - Overtime	344,946	413,000	350,000	350,000	0
4130 - Miscellaneous (Payroll)	0	305,000	0	250,000	250,000
Personnel Services	2,425,073	3,221,400	2,523,600	2,983,000	459,400
4160 - Meals; Mileage & Uniform Allowances	12,698	22,000	16,000	16,000	0
4250 - Other Contractual Services	23,965	30,000	30,000	30,000	0
4430 - Miscellaneous Supplies	0	500	500	500	0
4460 - Other Materials & Supplies	637	6,500	4,000	4,000	0
4500 - Education and Training	1,220	24,050	22,000	22,000	0
4720 - Conference Travel & Expenses	1,250	9,200	0	0	0
4910 - Miscellaneous Fees & Registration	0	500	200	200	0
8050 - Equipment (under \$5,000)	0	1,500	0	1,500	1,500
Materials, Supplies and Services	39,771	94,250	72,700	74,200	1,500
1270 - General Plant & Equip (over \$5,000)	0	24,000	0	0	0
Equipment	0	24,000	0	0	0
Total Construction	2,464,844	3,339,650	2,596,300	3,057,200	460,900

Budget Highlights

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CP - Capital Projects

5580 - Support

Section's Activity

The Engineering Support Branch formulates the Department's annual Capital Improvement Program budget; prepares and administers agreements with public agencies and private developers; prepares and reviews plans, specifications, cost estimates and other necessary documents, and coordinates and secures all necessary project approvals, permits and clearances for the Department's facility repair and replacement construction projects; develops and implements programs for facility renovations, asset replacement, and fire protection improvement; provides technical research, assistance, expertise and advice throughout the Department; and develops and maintains the Department's water system standards and conducts research and product trials to evaluate new materials and equipment.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	592,644	732,600	674,400	684,300	9,900
4120 - Overtime	2,298	3,000	4,000	4,000	0
4130 - Miscellaneous (Payroll)	6,273	4,000	8,500	4,000	(4,500)
Personnel Services	601,215	739,600	686,900	692,300	5,400
4160 - Meals; Mileage & Uniform Allowances	10	100	100	100	0
4250 - Other Contractual Services	4,374	18,000	21,000	0	(21,000)
4430 - Miscellaneous Supplies	851	0	0	0	0
4460 - Other Materials & Supplies	604	3,600	3,600	3,000	(600)
4500 - Education and Training	1,519	4,500	5,700	5,700	0
4720 - Conference Travel & Expenses	400	2,300	0	0	0
4815 - Repair & Maint - Equipment	4,108	4,300	4,300	4,300	0
8050 - Equipment (under \$5,000)	0	1,250	0	500	500
Materials, Supplies and Services	11,865	34,050	34,700	13,600	(21,100)
1270 - General Plant & Equip (over \$5,000)	0	24,000	0	0	0
Equipment	0	24,000	0	0	0
Total Support	613,081	797,650	721,600	705,900	(15,700)

Budget Highlights

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CP - Capital Projects

5582 - Mechanical and Electrical

Section's Activity

The Mechanical and Electrical Engineering Branch oversees the design and installation of mechanical and electrical equipment and systems throughout the municipal water system; prepares plans, specifications, and cost estimates and coordinates and secures all necessary project approvals, permits and clearances for the construction of electrical and mechanical system installations and pump and motor repairs, renewals and replacement work in accordance with the Department's requirements; provides technical assistance and conducts field inspections, troubleshooting, pilot testing, and final acceptance inspections of mechanical and electrical components; monitors, evaluates, incorporates, and optimizes BWS equipment standards; and provides technical assistance, expertise, and advice on daily operation of pump and power facilities, equipment renewal and upgrade programs, continuity of service, and maintenance.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	523,597	679,800	593,000	655,400	62,400
4120 - Overtime	16,865	2,100	10,000	10,000	0
4130 - Miscellaneous (Payroll)	0	4,000	19,000	19,000	0
Personnel Services	540,462	685,900	622,000	684,400	62,400
4160 - Meals; Mileage & Uniform Allowances	344	200	400	100	(300)
4250 - Other Contractual Services	243,346	250,000	275,000	275,000	0
4460 - Other Materials & Supplies	3,977	6,000	4,700	4,700	0
4500 - Education and Training	1,219	2,400	1,600	1,600	0
4720 - Conference Travel & Expenses	700	4,600	0	0	0
8050 - Equipment (under \$5,000)	0	1,500	0	0	0
Materials, Supplies and Services	249,586	264,700	281,700	281,400	(300)
1270 - General Plant & Equip (over \$5,000)	0	25,000	0	0	0
Equipment	0	25,000	0	0	0
Total Mechanical and Electrical	790,049	975,600	903,700	965,800	62,100

Budget Highlights

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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 purchases, maintains, and repairs the department's vehicles and construction equipment.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	5,064,364	6,169,700	6,591,000	6,196,400	(394,600)
4120 - Overtime	951,266	697,000	673,000	843,000	170,000
4130 - Miscellaneous (Payroll)	6,678	57,800	150,000	55,800	(94,200)
Personnel Services	6,022,308	6,924,500	7,414,000	7,095,200	(318,800)
4160 - Meals; Mileage & Uniform Allowances	43,111	40,200	39,800	40,700	900
4250 - Other Contractual Services	694,386	635,900	608,800	707,800	99,000
4251 - Software Licenses and Maintenance	23,231	19,000	33,100	33,100	0
4267 - Printed forms	0	300	300	300	0
4270 - Professional Services	1,327,202	1,200,000	500,000	1,000,000	500,000
4410 - Gasoline	673,844	803,200	803,200	803,200	0
4430 - Miscellaneous Supplies	17,573	18,400	7,600	7,600	0
4440 - Motor Vehicle Parts & Accessories	414,818	452,000	452,000	452,000	0
4460 - Other Materials & Supplies	2,669,915	2,743,400	2,843,000	2,816,800	(26,200)
4470 - Parts and Accessories	770,075	732,000	546,800	600,000	53,200
4480 - Postage	88	0	0	0	0
4500 - Education and Training	4,632	54,750	50,600	45,250	(5,350)
4670 - Telemetering	211,296	240,000	210,000	200,000	(10,000)
4720 - Conference Travel & Expenses	2,480	17,200	22,100	12,200	(9,900)
4805 - Repair & Maint - Structures	297,575	40,000	44,000	54,000	10,000
4815 - Repair & Maint - Equipment	941,727	1,352,200	839,600	1,022,200	182,600
4910 - Miscellaneous Fees & Registration	3,111	3,500	14,600	5,500	(9,100)
8050 - Equipment (under \$5,000)	582,425	661,700	289,000	382,050	93,050
Materials, Supplies and Services	8,677,489	9,013,750	7,304,500	8,182,700	878,200
1270 - General Plant & Equip (over \$5,000)	4,565,284	6,012,800	5,729,300	3,897,700	(1,831,600)
Equipment	4,565,284	6,012,800	5,729,300	3,897,700	(1,831,600)
Total WSO - Water System Operations	19,265,081	21,951,050	20,447,800	19,175,600	(1,272,200)

Notes

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	408,411	434,300	445,700	496,100	50,400
4120 - Overtime	62,399	28,000	40,000	40,000	0
4130 - Miscellaneous (Payroll)	0	600	600	600	0
Personnel Services	470,810	462,900	486,300	536,700	50,400
4160 - Meals; Mileage & Uniform Allowances	904	800	800	900	100
4250 - Other Contractual Services	18,930	36,000	32,000	32,000	0
4251 - Software Licenses and Maintenance	21,731	15,000	0	0	0
4270 - Professional Services	1,324,723	1,200,000	500,000	1,000,000	500,000
4430 - Miscellaneous Supplies	4,236	6,000	6,000	6,000	0
4460 - Other Materials & Supplies	507	0	0	0	0
4500 - Education and Training	0	1,700	1,500	1,700	200
4720 - Conference Travel & Expenses	630	2,800	6,500	2,500	(4,000)
4815 - Repair & Maint - Equipment	0	0	0	0	0
4910 - Miscellaneous Fees & Registration	740	600	4,500	1,000	(3,500)
8050 - Equipment (under \$5,000)	1,777	0	0	0	0
Materials, Supplies and Services	1,374,178	1,262,900	551,300	1,044,100	492,800
Total Operations Administration	1,844,988	1,725,800	1,037,600	1,580,800	543,200

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	272,161	256,100	308,800	193,400	(115,400)
4120 - Overtime	20,674	14,000	20,000	35,000	15,000
4130 - Miscellaneous (Payroll)	0	1,200	1,200	1,200	0
Personnel Services	292,835	271,300	330,000	229,600	(100,400)
4160 - Meals; Mileage & Uniform Allowances	1,618	700	1,000	1,800	800
4250 - Other Contractual Services	145,451	12,000	0	0	0
4251 - Software Licenses and Maintenance	0	0	28,000	28,000	0
4430 - Miscellaneous Supplies	11,858	11,000	1,000	1,000	0
4460 - Other Materials & Supplies	2,488,891	2,465,400	2,600,000	2,585,400	(14,600)
4470 - Parts and Accessories	840	0	0	0	0
4500 - Education and Training	376	4,800	5,450	3,050	(2,400)
4720 - Conference Travel & Expenses	600	5,600	3,000	900	(2,100)
4805 - Repair & Maint - Structures	296,482	36,000	40,000	50,000	10,000
4815 - Repair & Maint - Equipment	777,905	838,200	574,600	783,200	208,600
4910 - Miscellaneous Fees & Registration	1,370	0	7,200	1,600	(5,600)
8050 - Equipment (under \$5,000)	4,239	25,000	2,000	8,000	6,000
Materials, Supplies and Services	3,729,630	3,398,700	3,262,250	3,462,950	200,700
1270 - General Plant & Equip (over \$5,000)	0	40,000	3,200	0	(3,200)
Equipment	0	40,000	3,200	0	(3,200)
Total Plant Operations	4,022,465	3,710,000	3,595,450	3,692,550	97,100

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	499,171	603,100	672,300	507,600	(164,700)
4120 - Overtime	138,893	138,000	120,000	120,000	0
4130 - Miscellaneous (Payroll)	0	6,000	21,000	3,000	(18,000)
Personnel Services	638,064	747,100	813,300	630,600	(182,700)
4160 - Meals; Mileage & Uniform Allowances	7,087	7,000	7,000	7,000	0
4460 - Other Materials & Supplies	9,322	36,000	19,200	18,800	(400)
4470 - Parts and Accessories	79,702	142,000	100,600	89,000	(11,600)
4500 - Education and Training	0	4,900	4,200	3,500	(700)
4720 - Conference Travel & Expenses	0	900	1,500	900	(600)
4815 - Repair & Maint - Equipment	0	12,000	12,000	12,000	0
8050 - Equipment (under \$5,000)	0	50,000	25,500	31,500	6,000
Materials, Supplies and Services	96,111	252,800	170,000	162,700	(7,300)
E 1270 - General Plant & Equip (over \$5,000)	0	30,000	0	0	0
Equipment	0	30,000	0	0	0
Total District 1 Leeward West Section	734,175	1,029,900	983,300	793,300	(190,000)

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	595,263	686,000	796,500	705,400	(91,100)
4120 - Overtime	307,193	136,000	120,000	200,000	80,000
4130 - Miscellaneous (Payroll)	0	6,000	7,200	6,000	(1,200)
Personnel Services	902,456	828,000	923,700	911,400	(12,300)
4160 - Meals; Mileage & Uniform Allowances	13,704	8,400	8,400	8,400	0
4460 - Other Materials & Supplies	24,280	33,300	35,600	31,300	(4,300)
4470 - Parts and Accessories	194,888	113,000	90,000	88,000	(2,000)
4500 - Education and Training	0	4,900	3,500	3,500	0
4670 - Telemetering	0	0	0	0	0
4720 - Conference Travel & Expenses	0	900	1,500	900	(600)
4815 - Repair & Maint - Equipment	0	52,000	12,000	12,000	0
8050 - Equipment (under \$5,000)	26,134	74,000	50,000	31,500	(18,500)
Materials, Supplies and Services	259,006	286,500	201,000	175,600	(25,400)
1270 - General Plant & Equip (over \$5,000)	18,174	0	0	0	0
Equipment	18,174	0	0	0	0
Total District 2 Central/Windward Section	1,179,636	1,114,500	1,124,700	1,087,000	(37,700)

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	399,971	594,000	660,700	710,100	49,400
4120 - Overtime	139,365	110,000	120,000	200,000	80,000
4130 - Miscellaneous (Payroll)	3,211	6,000	6,000	6,000	0
Personnel Services	542,547	710,000	786,700	916,100	129,400
4160 - Meals; Mileage & Uniform Allowances	6,804	6,000	6,500	6,500	0
4460 - Other Materials & Supplies	16,012	18,900	23,700	18,000	(5,700)
4470 - Parts and Accessories	198,881	133,000	107,000	120,000	13,000
4500 - Education and Training	690	4,900	4,200	3,500	(700)
4720 - Conference Travel & Expenses	0	900	1,500	900	(600)
4815 - Repair & Maint - Equipment	8,801	16,000	18,000	12,000	(6,000)
8050 - Equipment (under \$5,000)	26,171	57,500	31,000	41,500	10,500
Materials, Supplies and Services	257,359	237,200	191,900	202,400	10,500
E 1270 - General Plant & Equip (over \$5,000)	22,304	70,000	10,000	10,000	0
Equipment	22,304	70,000	10,000	10,000	0
Total District 3 Metropolitan Section	822,209	1,017,200	988,600	1,128,500	139,900

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	435,554	730,400	785,100	715,300	(69,800)
4120 - Overtime	49,344	75,000	65,000	60,000	(5,000)
4130 - Miscellaneous (Payroll)	3,468	6,000	6,000	5,000	(1,000)
Personnel Services	488,365	811,400	856,100	780,300	(75,800)
4160 - Meals; Mileage & Uniform Allowances	3,573	5,500	5,500	5,500	0
4460 - Other Materials & Supplies	17,675	19,300	22,500	22,300	(200)
4470 - Parts and Accessories	119,687	137,000	87,200	93,000	5,800
4500 - Education and Training	1,830	4,900	4,200	3,500	(700)
4720 - Conference Travel & Expenses	0	900	1,500	900	(600)
4815 - Repair & Maint - Equipment	5,681	12,000	2,000	12,000	10,000
8050 - Equipment (under \$5,000)	0	78,500	25,300	68,500	43,200
Materials, Supplies and Services	148,446	258,100	148,200	205,700	57,500
Total District 4 Leeward East Section	636,811	1,069,500	1,004,300	986,000	(18,300)

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	556,278	720,400	709,200	691,700	(17,500)
4120 - Overtime	193,027	120,000	130,000	130,000	0
4130 - Miscellaneous (Payroll)	0	2,000	4,000	4,000	0
Personnel Services	749,305	842,400	843,200	825,700	(17,500)
4160 - Meals; Mileage & Uniform Allowances	6,696	6,000	6,000	6,000	0
4430 - Miscellaneous Supplies	0	0	0	0	0
4500 - Education and Training	0	4,900	4,900	4,900	0
4720 - Conference Travel & Expenses	0	1,800	2,000	1,800	(200)
8050 - Equipment (under \$5,000)	648	35,300	3,000	2,500	(500)
Materials, Supplies and Services	7,344	48,000	15,900	15,200	(700)
Total Control Center	756,649	890,400	859,100	840,900	(18,200)

Budget Highlights

**Board of Water Supply
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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	393,632	435,900	463,400	393,500	(69,900)
4120 - Overtime	15,533	36,000	24,000	24,000	0
4130 - Miscellaneous (Payroll)	0	6,000	6,000	6,000	0
Personnel Services	409,164	477,900	493,400	423,500	(69,900)
4160 - Meals; Mileage & Uniform Allowances	1,614	3,000	2,000	2,000	0
4250 - Other Contractual Services	753	0	0	0	0
4270 - Professional Services	2,480	0	0	0	0
4430 - Miscellaneous Supplies	115	0	0	0	0
4460 - Other Materials & Supplies	13,644	26,000	26,000	26,000	0
4470 - Parts and Accessories	41,223	60,000	20,000	60,000	40,000
4500 - Education and Training	0	4,900	4,200	3,500	(700)
4720 - Conference Travel & Expenses	1,250	900	1,500	900	(600)
4805 - Repair & Maint - Structures	1,093	0	0	0	0
4815 - Repair & Maint - Equipment	22,463	16,000	12,000	12,000	0
8050 - Equipment (under \$5,000)	2,104	52,000	22,500	22,000	(500)
Materials, Supplies and Services	86,739	162,800	88,200	126,400	38,200
E 1270 - General Plant & Equip (over \$5,000)	0	10,000	10,000	0	(10,000)
Equipment	0	10,000	10,000	0	(10,000)
Total Technical Services	495,904	650,700	591,600	549,900	(41,700)

Budget Highlights

**Board of Water Supply
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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 multifunction telemetry and supervisory control systems and mobile radio systems.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	198,762	290,400	291,300	343,400	52,100
4120 - Overtime	3,917	24,000	16,000	16,000	0
4130 - Miscellaneous (Payroll)	0	2,000	2,000	2,000	0
Personnel Services	202,679	316,400	309,300	361,400	52,100
4160 - Meals; Mileage & Uniform Allowances	542	1,000	800	800	0
4250 - Other Contractual Services	60,386	203,000	137,000	116,000	(21,000)
4460 - Other Materials & Supplies	691	6,000	7,500	6,500	(1,000)
4470 - Parts and Accessories	83,937	72,000	72,000	80,000	8,000
4500 - Education and Training	0	2,450	2,450	2,100	(350)
4670 - Telemetering	211,296	240,000	210,000	200,000	(10,000)
4720 - Conference Travel & Expenses	0	900	1,500	900	(600)
4815 - Repair & Maint - Equipment	0	12,000	9,000	9,000	0
8050 - Equipment (under \$5,000)	509,038	271,500	113,500	153,400	39,900
Materials, Supplies and Services	865,891	808,850	553,750	568,700	14,950
E 1270 - General Plant & Equip (over \$5,000)	40,211	313,000	47,500	65,500	18,000
Equipment	40,211	313,000	47,500	65,500	18,000
Total Telecommunications	1,108,780	1,438,250	910,550	995,600	85,050

Budget Highlights

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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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,305,160	1,419,100	1,458,000	1,439,900	(18,100)
4120 - Overtime	20,923	16,000	18,000	18,000	0
4130 - Miscellaneous (Payroll)	0	22,000	96,000	22,000	(74,000)
Personnel Services	1,326,083	1,457,100	1,572,000	1,479,900	(92,100)
4160 - Meals; Mileage & Uniform Allowances	569	1,800	1,800	1,800	0
4250 - Other Contractual Services	260,092	184,900	179,800	179,800	0
4251 - Software Licenses and Maintenance	1,500	4,000	5,100	5,100	0
4267 - Printed forms	0	300	300	300	0
4410 - Gasoline	673,844	803,200	803,200	803,200	0
4430 - Miscellaneous Supplies	1,238	600	600	600	0
4440 - Motor Vehicle Parts & Accessories	414,818	452,000	452,000	452,000	0
4460 - Other Materials & Supplies	98,892	108,500	108,500	108,500	0
4470 - Parts and Accessories	50,917	70,000	70,000	70,000	0
4480 - Postage	88	0	0	0	0
4500 - Education and Training	1,736	16,400	16,000	16,000	0
4720 - Conference Travel & Expenses	0	1,600	1,600	1,600	0
4805 - Repair & Maint - Structures	0	4,000	4,000	4,000	0
4815 - Repair & Maint - Equipment	60,675	90,000	90,000	90,000	0
4910 - Miscellaneous Fees & Registration	1,001	2,900	2,900	2,900	0
8050 - Equipment (under \$5,000)	12,314	17,900	16,200	23,150	6,950
Materials, Supplies and Services	1,577,683	1,758,100	1,752,000	1,758,950	6,950
1270 - General Plant & Equip (over \$5,000)	4,484,595	5,549,800	5,658,600	3,822,200	(1,836,400)
Equipment	4,484,595	5,549,800	5,658,600	3,822,200	(1,836,400)
Total Automotive	7,388,362	8,765,000	8,982,600	7,061,050	(1,921,550)

Budget Highlights

**Board of Water Supply
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WSO - Water System Operations

5201 - 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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
M 4250 - Other Contractual Services	208,773	200,000	260,000	380,000	120,000
4430 - Miscellaneous Supplies	126	800	0	0	0
4460 - Other Materials & Supplies	0	30,000	0	0	0
4470 - Parts and Accessories	0	5,000	0	0	0
4815 - Repair & Maint - Equipment	66,203	304,000	110,000	80,000	(30,000)
Materials, Supplies and Services	275,102	539,800	370,000	460,000	90,000
Total Ocean Cooling	275,102	539,800	370,000	460,000	90,000

Budget Highlights

**Board of Water Supply
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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/mobile hardware and software; wired/wireless networks, voice/video and call center systems.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	3,245,387	3,469,500	3,936,500	3,902,900	(33,600)
4120 - Overtime	177,851	199,000	169,400	153,000	(16,400)
4130 - Miscellaneous (Payroll)	0	12,000	13,000	12,000	(1,000)
Personnel Services	3,423,238	3,680,500	4,118,900	4,067,900	(51,000)
4160 - Meals; Mileage & Uniform Allowances	2,673	3,800	4,500	1,900	(2,600)
4250 - Other Contractual Services	6,049,676	7,383,065	6,410,533	6,236,035	(174,498)
4251 - Software Licenses and Maintenance	2,958,147	2,483,343	2,529,351	2,872,204	342,853
4255 - Other Services	147	0	0	0	0
4265 - Printing	3,964	5,000	0	0	0
4270 - Professional Services	0	0	0	100,000	100,000
4430 - Miscellaneous Supplies	6,899	3,900	3,700	2,700	(1,000)
4460 - Other Materials & Supplies	110,616	127,800	144,500	144,200	(300)
4470 - Parts and Accessories	41,830	12,000	15,000	14,000	(1,000)
4480 - Postage	492,074	710,000	410,100	550,100	140,000
4500 - Education and Training	67,798	135,895	50,750	26,955	(23,795)
4720 - Conference Travel & Expenses	21,351	88,460	29,700	1,700	(28,000)
4815 - Repair & Maint - Equipment	299,851	343,650	346,350	282,950	(63,400)
4910 - Miscellaneous Fees & Registration	59,782	620	126,700	127,100	400
8050 - Equipment (under \$5,000)	608,684	785,700	978,210	1,106,324	128,114
Materials, Supplies and Services	10,723,492	12,083,233	11,049,394	11,466,168	416,774
E 1270 - General Plant & Equip (over \$5,000)	542,113	415,000	335,000	295,000	(40,000)
Equipment	542,113	415,000	335,000	295,000	(40,000)
Total IT - Information Technology	14,688,842	16,178,733	15,503,294	15,829,068	325,774

Notes

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IT - Information Technology

5805 - IT Administration

Section's Activity

The Administration Section provides strategic planning, technology management, policy direction, cyber security program management and administrative support services for the Information Technology Division

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	380,915	379,200	422,000	440,000	18,000
4120 - Overtime	8,949	0	1,400	4,000	2,600
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	389,864	379,200	423,400	444,000	20,600
4160 - Meals; Mileage & Uniform Allowances	684	200	400	400	0
4250 - Other Contractual Services	77,734	275,000	25,000	0	(25,000)
4270 - Professional Services	0	0	0	100,000	100,000
4430 - Miscellaneous Supplies	10	1,200	0	0	0
4460 - Other Materials & Supplies	3,848	3,600	4,800	3,000	(1,800)
4500 - Education and Training	37,835	1,500	1,500	2,400	900
4720 - Conference Travel & Expenses	9,591	16,900	7,500	0	(7,500)
4910 - Miscellaneous Fees & Registration	59,483	620	68,200	75,100	6,900
8050 - Equipment (under \$5,000)	8,058	5,000	0	0	0
Materials, Supplies and Services	197,244	304,020	107,400	180,900	73,500
Total IT Administration	587,108	683,220	530,800	624,900	94,100

Budget Highlights

**Board of Water Supply
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IT - Information Technology

5820 - Application Systems Development

Section's Activity

The Application Systems Development Section is responsible for providing application and data management services for all enterprise systems of the department including, customer information system, water and sewer billings, financial/HR (payroll, accounts payable and cost accounting, time tracking, etc.), laboratory information, asset maintenance and workforce management

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	817,283	901,500	1,077,600	1,078,600	1,000
4120 - Overtime	113,914	140,000	110,000	110,000	0
4130 - Miscellaneous (Payroll)	0	12,000	12,000	12,000	0
Personnel Services	931,197	1,053,500	1,199,600	1,200,600	1,000
4160 - Meals; Mileage & Uniform Allowances	120	3,600	3,600	1,500	(2,100)
4250 - Other Contractual Services	2,585,387	3,239,000	1,050,000	1,100,984	50,984
4251 - Software Licenses and Maintenance	926,450	1,352,588	1,257,291	1,354,614	97,323
4430 - Miscellaneous Supplies	0	1,200	1,200	1,200	0
4460 - Other Materials & Supplies	318	0	0	0	0
4500 - Education and Training	0	56,800	15,500	15,580	80
4720 - Conference Travel & Expenses	4,519	27,900	7,700	0	(7,700)
4910 - Miscellaneous Fees & Registration	0	0	26,000	26,000	0
Materials, Supplies and Services	3,516,793	4,681,088	2,361,291	2,499,878	138,587
Total Application Systems Development	4,447,991	5,734,588	3,560,891	3,700,478	139,587

Budget Highlights

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IT - Information Technology

5835 - Technical Projects

Section's Activity

The Technical Engineering Projects (TEP)Branch plans, designs, installs, implements, manages, maintains and supports Board of Water Supply (BWS) Geographic Information System and spacial database. TEP also manages and maintains the BWS hydraulic models for currency and accuracy, in conjunction with Water Resources.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	750,540	858,800	867,800	932,900	65,100
4120 - Overtime	2,854	4,000	4,000	4,000	0
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	753,395	862,800	871,800	936,900	65,100
4250 - Other Contractual Services	554,251	516,000	1,106,000	810,000	(296,000)
4251 - Software Licenses and Maintenance	222,860	227,124	332,300	420,500	88,200
4255 - Other Services	147	0	0	0	0
4265 - Printing	3,964	5,000	0	0	0
4430 - Miscellaneous Supplies	20	500	500	500	0
4460 - Other Materials & Supplies	1,151	1,200	1,200	1,200	0
4480 - Postage	94	0	100	100	0
4500 - Education and Training	1,755	35,000	17,500	2,500	(15,000)
4720 - Conference Travel & Expenses	4,306	25,360	6,700	1,700	(5,000)
4815 - Repair & Maint - Equipment	1,667	3,400	4,600	4,600	0
4910 - Miscellaneous Fees & Registration	0	0	6,500	0	(6,500)
8050 - Equipment (under \$5,000)	7,993	3,300	10,500	2,000	(8,500)
Materials, Supplies and Services	798,209	816,884	1,485,900	1,243,100	(242,800)
1270 - General Plant & Equip (over \$5,000)	24,452	15,000	15,000	15,000	0
Equipment	24,452	15,000	15,000	15,000	0
Total Technical Engineering Projects	1,576,056	1,694,684	2,372,700	2,195,000	(177,700)

Budget Highlights

**Board of Water Supply
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IT - Information Technology

5830 - Computer Operations

Section's Activity

The Operations Support Branch is responsible for planning, scheduling, administrating and coordinating the department's network and computer services operations (machine processing), and infrastructure operations, update and maintenance. Included in this is wired, wireless network devices/services, servers, workstations and mobile devices, cloud based services, etc.

Account	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	1,296,647	1,330,000	1,569,100	1,451,400	(117,700)
4120 - Overtime	52,134	55,000	54,000	35,000	(19,000)
4130 - Miscellaneous (Payroll)	0	0	1,000	0	(1,000)
Personnel Services	1,348,782	1,385,000	1,624,100	1,486,400	(137,700)
4160 - Meals; Mileage & Uniform Allowances	1,869	0	500	0	(500)
4250 - Other Contractual Services	2,832,304	3,353,065	4,229,533	4,325,051	95,518
4251 - Software Licenses and Maintenance	1,808,837	903,631	939,760	1,097,090	157,330
4430 - Miscellaneous Supplies	6,869	1,000	2,000	1,000	(1,000)
4460 - Other Materials & Supplies	105,299	123,000	138,500	140,000	1,500
4470 - Parts and Accessories	41,830	12,000	15,000	14,000	(1,000)
4480 - Postage	491,980	710,000	410,000	550,000	140,000
4500 - Education and Training	28,208	42,595	16,250	6,475	(9,775)
4720 - Conference Travel & Expenses	2,935	18,300	7,800	0	(7,800)
4815 - Repair & Maint - Equipment	298,184	340,250	341,750	278,350	(63,400)
4910 - Miscellaneous Fees & Registration	299	0	26,000	26,000	0
8050 - Equipment (under \$5,000)	592,633	777,400	967,710	1,104,324	136,614
Materials, Supplies and Services	6,211,246	6,281,241	7,094,803	7,542,290	447,487
1270 - General Plant & Equip (over \$5,000)	517,660	400,000	320,000	280,000	(40,000)
Equipment	517,660	400,000	320,000	280,000	(40,000)
Total Operations Support	8,077,688	8,066,241	9,038,903	9,308,690	269,787

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	2,131,334	2,529,000	2,493,200	2,301,600	(191,600)
4120 - Overtime	119,389	213,200	117,400	61,800	(55,600)
4130 - Miscellaneous (Payroll)	946	102,000	30,200	73,000	42,800
Personnel Services	2,251,669	2,844,200	2,640,800	2,436,400	(204,400)
4160 - Meals; Mileage & Uniform Allowances	4,805	16,300	12,500	5,200	(7,300)
4220 - Collection Fees	0	500	0	0	0
4250 - Other Contractual Services	13,384	13,100	13,100	16,800	3,700
4267 - Printed forms	567	5,000	0	0	0
4270 - Professional Services	1,651,306	1,245,700	1,151,500	1,369,600	218,100
4410 - Gasoline	10	0	0	0	0
4430 - Miscellaneous Supplies	11,981	16,000	15,000	15,000	0
4460 - Other Materials & Supplies	13,685	4,200	3,500	3,500	0
4500 - Education and Training	3,768	11,900	400	7,200	6,800
4720 - Conference Travel & Expenses	4,417	7,700	800	10,900	10,100
4815 - Repair & Maint - Equipment	3,158	6,000	9,000	9,000	0
4910 - Miscellaneous Fees & Registration	822	600	400	1,000	600
4915 - Miscellaneous Financial Expenses	1,211,953	931,000	1,954,000	2,084,000	130,000
8050 - Equipment (under \$5,000)	3,104	2,700	9,700	700	(9,000)
Materials, Supplies and Services	2,922,962	2,260,700	3,169,900	3,522,900	353,000
1270 - General Plant & Equip (over \$5,000)	36,300	36,000	0	0	0
Equipment	36,300	36,000	0	0	0
Total FIN - Finance	5,210,931	5,140,900	5,810,700	5,959,300	148,600

Notes

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	332,987	348,000	341,300	369,800	28,500
4120 - Overtime	164	200	500	200	(300)
4130 - Miscellaneous (Payroll)	0	0	0	0	0
Personnel Services	333,151	348,200	341,800	370,000	28,200
4160 - Meals; Mileage & Uniform Allowances	10	0	0	0	0
4250 - Other Contractual Services	1,549	5,000	5,000	5,000	0
4270 - Professional Services	514,733	208,500	258,500	336,600	78,100
4430 - Miscellaneous Supplies	10,572	15,000	15,000	15,000	0
4460 - Other Materials & Supplies	13,033	0	0	0	0
4500 - Education and Training	3,768	5,400	400	7,200	6,800
4720 - Conference Travel & Expenses	4,417	3,200	800	10,900	10,100
4815 - Repair & Maint - Equipment	1,360	1,000	1,000	1,000	0
4910 - Miscellaneous Fees & Registration	822	400	0	1,000	1,000
4915 - Miscellaneous Financial Expenses	394,844	0	0	0	0
8050 - Equipment (under \$5,000)	931	1,000	3,800	0	(3,800)
Materials, Supplies and Services	946,038	239,500	284,500	376,700	92,200
E 1270 - General Plant & Equip (over \$5,000)	0	0	0	0	0
Equipment	0	0	0	0	0
Total Finance Administration	1,279,189	587,700	626,300	746,700	120,400

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	80,464	96,600	96,600	100,600	4,000
4120 - Overtime	0	2,000	2,000	1,000	(1,000)
Personnel Services	80,464	98,600	98,600	101,600	3,000
M 4270 - Professional Services	1,134,873	1,037,200	793,000	533,000	(260,000)
4460 - Other Materials & Supplies	0	200	0	0	0
4910 - Miscellaneous Fees & Registration	0	200	200	0	(200)
4915 - Miscellaneous Financial Expenses	817,109	931,000	1,954,000	2,084,000	130,000
Materials, Supplies and Services	1,951,982	1,968,600	2,747,200	2,617,000	(130,200)
Total Treasury	2,032,446	2,067,200	2,845,800	2,718,600	(127,200)

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

FIN - Finance

5915 - Rev & Cust Accounting Section

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	972,868	1,191,000	1,143,500	887,100	(256,400)
4120 - Overtime	111,062	200,000	100,000	50,000	(50,000)
4130 - Miscellaneous (Payroll)	0	0	2,000	2,000	0
Personnel Services	1,083,930	1,391,000	1,245,500	939,100	(306,400)
4160 - Meals; Mileage & Uniform Allowances	4,171	16,000	12,000	5,000	(7,000)
4250 - Other Contractual Services	11,836	8,100	8,100	11,800	3,700
4410 - Gasoline	10	0	0	0	0
4430 - Miscellaneous Supplies	1,410	1,000	0	0	0
4460 - Other Materials & Supplies	652	4,000	3,500	3,500	0
4500 - Education and Training	0	1,000	0	0	0
4815 - Repair & Maint - Equipment	1,798	5,000	8,000	8,000	0
8050 - Equipment (under \$5,000)	2,173	0	2,500	0	(2,500)
Materials, Supplies and Services	22,051	35,100	34,100	28,300	(5,800)
1270 - General Plant & Equip (over \$5,000)	36,300	36,000	0	0	0
Equipment	36,300	36,000	0	0	0
Total Rev	1,142,281	1,462,100	1,279,600	967,400	(312,200)

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	574,322	629,300	647,300	655,900	8,600
4120 - Overtime	6,931	9,000	12,900	7,900	(5,000)
4130 - Miscellaneous (Payroll)	300	102,000	28,000	71,000	43,000
Personnel Services	581,553	740,300	688,200	734,800	46,600
4160 - Meals; Mileage & Uniform Allowances	624	300	500	200	(300)
4220 - Collection Fees	0	500	0	0	0
4267 - Printed forms	567	5,000	0	0	0
4270 - Professional Services	1,700	0	0	0	0
4500 - Education and Training	0	2,500	0	0	0
4720 - Conference Travel & Expenses	0	0	0	0	0
4910 - Miscellaneous Fees & Registration	0	0	200	0	(200)
8050 - Equipment (under \$5,000)	0	700	3,100	700	(2,400)
Materials, Supplies and Services	2,891	9,000	3,800	900	(2,900)
Total General Accounting	584,445	749,300	692,000	735,700	43,700

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	100,956	194,400	194,800	215,500	20,700
Personnel Services	100,956	194,400	194,800	215,500	20,700
4270 - Professional Services	0	0	0	500,000	500,000
4460 - Other Materials & Supplies	0	0	0	0	0
4500 - Education and Training	0	3,000	0	0	0
4720 - Conference Travel & Expenses	0	4,500	0	0	0
8050 - Equipment (under \$5,000)	0	1,000	300	0	(300)
Materials, Supplies and Services	0	8,500	300	500,000	499,700
Total Fiscal Services	100,956	202,900	195,100	715,500	520,400

Budget Highlights

**Board of Water Supply
Operating Budget
Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
PS 4110 - Salaries & Wages	69,737	69,700	69,700	72,700	3,000
4120 - Overtime	1,232	2,000	2,000	2,700	700
4130 - Miscellaneous (Payroll)	646	0	200	0	(200)
Personnel Services	71,615	71,700	71,900	75,400	3,500
4270 - Professional Services	0	0	100,000	0	(100,000)
Materials, Supplies and Services	0	0	100,000	0	(100,000)
Total Systems Accounting	71,615	71,700	171,900	75,400	(96,500)

Budget Highlights

**Board of Water Supply
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Fiscal Year 2022**

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	FY2020 Actual	FY2020 Adopted Budget	FY2021 Adopted Budget	FY2022 Proposed Budget	Change
DP 4610 - Electric Power - Water Distrib Fac	22,846,238	23,000,000	25,000,000	22,000,000	(3,000,000)
4620 - Electricity	1,147,159	1,200,000	1,252,000	1,100,000	(152,000)
4660 - Wastewater Service Charges	112,919	110,000	110,000	120,000	10,000
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)	8,673,341	9,000,000	9,000,000	11,000,000	2,000,000
6020 - FICA Contributions	2,990,941	2,900,000	3,000,000	3,200,000	200,000
6100 - Health Benefits - Employees	4,028,130	3,407,000	3,780,000	4,000,000	220,000
6200 - Health Benefits - Retirees	6,282,274	5,500,000	5,852,000	7,280,400	1,428,400
6250 - Other Post-Emplymnt Ben (OPEB)	1,896,326	2,665,000	2,600,000	1,637,608	(962,392)
6320 - Unemployment Insurance Benefits	11,582	26,000	15,000	13,000	(2,000)
Departmental Fixed Charges	51,288,910	51,108,000	53,909,000	53,651,008	(257,992)
DS 1810 - Bonds Payable	9,910,000	9,110,000	9,450,000	12,605,000	3,155,000
1820 - Notes Payable - State Revolving Funds (SRF)	4,029,408	4,522,000	6,012,000	6,591,000	579,000
7071 - Bond Interest	8,649,252	8,750,000	8,752,000	10,392,000	1,640,000
Debt Service	22,588,660	22,382,000	24,214,000	29,588,000	5,374,000
Total Fixed Charges and Debt Service	73,877,570	73,490,000	78,123,000	83,239,008	5,116,008

Budget Highlights

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PART II

CAPITAL IMPROVEMENT PROGRAM BUDGET

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Board of Water Supply
Capital Improvement Program
FY 2022

Summary by Categories	Operating Fund (1)	Operating Fund - SRF Eligible (2)	Special Expendable Fund (3)	Improvement Fund (4)	Total
I. Research and Development	6,900,000	-	-	-	6,900,000
II. Renewal and Replacement					
A. Pumps	5,565,000	10,000,000	-	25,500,000	41,065,000
B. Reservoirs	100,000	-	-	-	100,000
C. Pipelines	2,950,000	-	-	58,950,000	61,900,000
D. Treatment	3,500,000	-	-	-	3,500,000
E. Facilities	13,260,000	-	-	1,650,000	14,910,000
Category II - sub-total	25,375,000	10,000,000	-	86,100,000	121,475,000
III. Capacity Expansion					
A. Pumps	-	-	100,000	-	100,000
B. Reservoirs	-	-	-	-	-
C. Pipelines	-	4,300,000	-	-	4,300,000
D. Treatment	-	-	800,000	-	800,000
E. Facilities	-	-	18,000,000	-	18,000,000
Category III - sub-total	-	4,300,000	18,900,000	-	23,200,000
Total - Categories I - III	32,275,000	14,300,000	18,900,000	86,100,000	151,575,000
Construction Cost Index Account	2,421,000	1,430,000	1,700,000	7,250,000	12,801,000
Contract Adjustment Account	15,600,000	-	-	-	15,600,000
Capital Improvement Program - Total	50,296,000	15,730,000	20,600,000	93,350,000	179,976,000

(1) Operating Fund is defined as rate revenue or cash

(2) Operating Fund - SRF Eligible is defined as projects that are eligible for participation in the State of Hawaii, Department of Health State Revolving Fund (SRF) loan program.

(3) Special Expendable Fund is a restricted fund in which water system facilities charges are deposited and the funding reserved for water system capacity expansion projects

(4) Improvement Fund is defined as the proceeds of Water System Revenue Bonds

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
<u>I. Research and Development</u>								
1.	Kunia Wells IV Exploratory Wells	Drill, case install, test pump and sample three exploratory wells (TMK 9- 2-001:014 or TMK 9-4- 003:010).	CP Const	4,500,000	-	-	-	4,500,000
2.	Construction Management for Various BWS Construction Projects	Provide construction management and training services for selected BWS construction projects.	CP/WR P&E	2,000,000	-	-	-	2,000,000
3.	Newtown Ridge and Royal Summit Reliability Improvements	Prepare Environmental Assessment and obtain Conservation District Use Permit and Public Infrastructure Map amendment.	WR P&E	400,000	-	-	-	400,000
Total Category I - Research and Development				6,900,000	-	-	-	6,900,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
<u>II. Renewal and Replacement</u>								
A. Pumps								
4. Waihee Line Booster: Replace Pumping Units	Remove all eight (8) booster pumps including pumps, motors, piping, valves, concrete supports, gauges, and all electrical components. Install two (2) new booster pumps and new free flow lines including piping, control valves, flow tubes, elevated steel platform, MCC, and appurtenant electrical equipment. Install new backfeed line connecting Waihee and Punaluu systems.	CP-ME	Const	-	-	-	5,100,000	5,100,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
5. Makaha Shaft Tunnel Rehabilitation	Replacement of all MCC, SCADA system, and all electrical components and appurtenances; replacement of pump units and associated piping, valves and appurtenances; replacement of ventilation system, plumbing system, and inclined elevator; replacement of 8-inch waterline and appurtenances; rehabilitation and expansion of the portal building; and replacement of the perimeter fencing.	CP-S	Const	-	-	-	7,500,000	7,500,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
6. Kaamilo Booster and Kaamilo Wells Renovation	Replace Well Pump No. 1 MCC and motor starter, and relocate MCC inside the existing building. Replace telecommunication/ instrumentation box and install disconnect switch at the well pump. Replace isolation valve at reservoir. Cap well No. 2. Eliminate drop ceiling in building and relocate lighting to concrete ceiling.	CP-ME	Const	-	4,000,000	-	-	4,000,000
7. Waipio Heights Wells and Wells I Renovation	Replace two well pumps at each of two well sites; replace MCC, SCADA system, and all electrical components and appurtenances at each facility; and limited control building upgrades.	CP-ME	Const	-	6,000,000			6,000,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
8. Waialae Iki Booster No. 1 Relocation	Relocate booster station to the Waialae Iki 180 Reservoir site. Install 12-inch mains and appurtenances along the Waialae Iki 180 Reservoir access road; and along Laukahi Street, from the Waialae Iki 180 Reservoir access road to Kamole Street - approx. 2,000 lin. ft.	CP-ME	Const	-	-	-	9,500,000	9,500,000
9. Kamaile Wells Renovation, Drainage Improvements and Control Building Repairs, and Kamaile Plantation Wells Sealing	Replace the existing two (2) pumps, MCC, electrical wiring, chlorination system, and related work. Install drainage improvements, renovate pump building and install security fencing. Seal up to thirteen (13) unused plantation wells around Kamaile Wells Station.	CP-S	Const	-	-	-	3,400,000	3,400,000
10. Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	CP-ME	Const	3,500,000	-	-	-	3,500,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
11. Hawaii Loa Booster No. 2 Pump and MCC Replacement	Replace booster pump; replace MCC, SCADA system, and all electrical components and appurtenances; and limited control building upgrades.	CP-ME	P&E	580,000	-	-	-	580,000
12. Waiau Booster No. 2 Electrical Upgrades	Replace MCC, SCADA system, and all electrical components and appurtenances, and limited control building upgrades.	CP-ME	P&E	555,000	-	-	-	555,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
13. Waipio Heights Wells II Pump Replacement and Electrical Upgrades	Replace Pump Unit no. 1, replace MCC including all motor starters, repair pavement, address well seal issue at pump sole plate and concrete base for pump unit no. 2, address well insufficient height clearance issue for pump units no. 1 & 2. Investigate motor phase current imbalance for pump unit no. 2, replace corroded strut supports for pump unit no. 1 disconnect switch, replace sequence timers with PLCs, clean up wiring in wall mounted junction boxes.	CP-ME	P&E	510,000	-	-	-	510,000
14. Pearl City Booster No. 3 MCC Replacement	Replace MCC, SCADA system, and all electrical components and appurtenances.	CP-ME	P&E	320,000	-	-	-	320,000
15. Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	CP-ME	P&E	100,000	-	-	-	100,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
Pumps Total				5,565,000	10,000,000	-	25,500,000	41,065,000
B. Reservoirs								
16. Wahiawa 1361 Reservoir No. 1 Demolition	Demolish existing concrete reservoir and appurtenances.	CP-D	P&E	100,000	-	-	-	100,000
Reservoirs Total				100,000	-	-	-	100,000

Board of Water Supply
Capital Improvement Program
FY 2022

				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
C. Pipelines								
17. Keolu Hills Water System Improvements, Part II	Install 12-inch mains and appurtenances along Keolu Drive, from Akumu Street to Nanialii Street; along Akumu Street, from Keolu Drive to Alahaki Street; along Iana Street, from Keolu Drive to FH W00766; and along Keolu Drive, from Kanapuu Drive to Akalani Loop - approx. 3,580 lin. ft. Install 8-inch mains and appurtenances along Akumu Street, from Alahaki Street to Holoholo Street; along Keolu Drive, from Akalani Loop to Akahai Street; along Akahai Street, from Keolu Drive to Akamai Street; along Akaiki Street, from Akahai Street to Akamai Street; and along Halula Place, from Akumu Street to end - approx. 4,270 lin. ft.	CP-D	Const	-	-	-	8,500,000	8,500,000

Board of Water Supply
Capital Improvement Program
FY 2022

		Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
17. Keolu Hills Water System Improvements, Part II (cont.)	Install 4-inch mains and appurtenances along Akumu Place, from Akumu Street to end; along Akiu Place, from Akumu Street to end; and along Akalei Place from Akumu Street to end - approx. 540 lin. ft.					

Board of Water Supply
Capital Improvement Program
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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
18. North School Street Water System Improvements	Install 16-inch mains and appurtenances along North School Street, from Kamehameha IV Road to Houghtailing Street - approx. 4,510 lin. ft. Install 8-inch mains and appurtenances along Ahonui Street, from North School Street to Linapuni Street; along Hulali Place, from Ahonui Street to end; along North School Street, from Amelia Street to Leilani Street; along North School Street, from Likelike Highway to Houghtailing Street; along Amelia Street, from North School Street to Waikoea Road; along Waikoea Road, from Amelia Street to Martin Street; along Martin Street,	CP-D	Const	-	-	-	11,500,000	11,500,000

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		Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
18. North School Street Water System Improvements (cont.)	from North School Street to Waikoa Road; along Kapalama Avenue, from North School Street to Peter Buck Street; and along Brigham Street, from Kapalama Avenue to Kapalama Avenue - approx. 8,330 lin. ft. Install 4-inch mains and appurtenances along Palapala Place, from Kapalama Avenue to end - approx. 205 lin. ft.					

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
19. 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 M06514 to end; and along Ipuai Street, from Kealahou Street to Honokahua Street - approx. 4,135 lin. ft.	CP-D	Const	-	-	-	11,200,000	11,200,000

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		Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
19. Kalama Valley Water System Improvements, Part II (cont.)	Install 8- and 4-inch mains and appurtenances 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. Install service laterals and appurtenances along Kaeleku Street, from Honokahua Street to end; along Honokahua Street, from Kahului Street to Kepaniwai Street;					

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		Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
19. Kalama Valley Water System Improvements, Part II (cont.)	along Napoko Place, from Kealahou Street to end; along Kamaomao Place, from Kealahou Street to end; along Puumahoe Place, from Kealahou Street to end; along Muolea Place, from Kealahou Street to end; along Olowalu Place, from Kealahou Street to end; along Olowalu Way, from Olowalu Place to end; along Huialoha Street, from Kealahou Street to Kahului Street; along Kealahou Street, from Huialoha Street to FH no. M06314; along Inuwai Place, from Kealahou Street to end; along Kahului Street, from Kaeleku Street to FH no. M06477; along Pihana Street, from Kahului Street to FH no. M06514; along Inuwai Way, from Inuwai Place to end; and along Eaea Place, from Kealahou Street to end - approx. 199 service laterals.					

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
20. Palolo Water System Improvements, Part III	Install 16-inch mains and appurtenances along Palolo Avenue, from Carlos Long Street to Palolo Place; and along 10th Avenue, from Palolo Place to Makanui Place - approx. 1,410 lin. ft. Install 12-inch mains and appurtenances along Palolo Avenue, from Kiwila Street to Palolo Place; and along 10th Avenue, from Palolo Place to Waiomao Road - approx. 7,000 lin. ft. Install 8-inch mains and appurtenances along Palolo Avenue, from Kauhana Street to Carlos Long Street; along Kaalani Place, from 10th Avenue to end; along Kaululoa Place, from Palolo Avenue to end;	CP-D	Const	-	-	-	10,500,000	10,500,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
20. Palolo Water System Improvements, Part III (cont.)	along Makanui Place, from 10th Avenue to end; along Holomua Place, from Makanui Place to end; and along 10th Avenue Place from 10th Avenue to end – approx. 3,470 lin. ft. Install 4-inch mains and appurtenances along Palolo Place, from FH M00899 to end – approx. 30 lin. ft.							
21. Puiwa Road 12-Inch and Dowsett Avenue 8-Inch Mains	Install 12-inch mains and appurtenances along Puiwa Road, from 24 Puiwa Road to Puiwa Lane - approx. 500 lin. ft. Install 8-Inch mains and appurtenances along Dowsett Avenue, from fire hydrant M03678 to Alika Avenue - approx. 1,000 lin. ft. Install 8-inch main and fire hydrant along the lane near 3964 Old Pali Road, from Old Pali Road to end - approx. 510 lin. ft.	CP-D	Const	-	-	-	2,000,000	2,000,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
22. Waiomao Homestead Road 8-Inch Main	Install 8-inch mains and appurtenances along Waiomao Homestead Road, from Waiomao Road to Palolo Chlorinator - approx. 700 lin. ft.	CP-D	Const	-	-	-	1,300,000	1,300,000
23. Kailua Road 8-Inch Main	Install 8-inch and 2-inch mains and appurtenances along 1005 Kailua Road from Kailua Road to end - approx. 685 lin. ft.	CP	Const	-	-	-	600,000	600,000
24. Water Sampling Stations at Various Locations	Install water sampling stations at various locations.	CP-S	Const	500,000	-	-	-	500,000
25. New Service Lateral Installations at Various Location	Install new service laterals at various locations.	FO	Const	1,750,000	-	-	-	1,750,000
		FO	P&E	250,000	-	-	-	250,000
26. Water Main Installation & Replacement	Install and replace water mains at various locations.	CP	Const	100,000	-	-	-	100,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
27. Nuuanu Pali Drive and Old Pali Road Area Water System Improvements	Install 12-inch mains and appurtenances along Nuuanu Pali Drive, from Pali Highway to Old Pali Road; along Old Pali Road, from Nuuanu Pali Drive to Paris Place; along Waokanaka Street, from Pali Highway (near Nuuanu Booster No. 2) to FH M07711; and along Waokanaka Street, from 3666 Waokanaka Street to Waokanaka Place - approx. 3,175 lin. ft. Install 8-inch mains and appurtenances along 3742 Old Pali Road, from Old Pali Road to end; along Palimalu Drive, from Old Pali Road to end; along Nakele Street, from Nuuanu Pali Drive to end; and along Hakumele Place, from Nuuanu Pali Drive to end - approx. 1,895 lin. ft.	CP	P&E	-	-	-	750,000	750,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
28. Thomas Square 20-Inch Main Relocation	Install 20-inch mains and appurtenances along S. Hotel Street, from Kealamakai Street to Ward Avenue; along Ward Avenue, from S. Hotel Street to S. Beretania Street; along S. Beretania Street, from Ward Avenue to Victoria Street; and along Victoria Street from S. Beretania Street to Young Street - approx. 1,950 lin. ft. Install 12-inch main and appurtenances along Victoria Street from S. Beretania Street to Young Street - approx. 370 lin. ft.	CP-D	P&E	-	-	-	600,000	600,000
29. Water System Improvements at Various Locations	Install mains and appurtenance to replace high risk water mains at various locations throughout the island.	CP-D	P&E	-	-	-	12,000,000	12,000,000
30. Service Lateral Replacement at Various Locations	Topographic Survey for the service lateral replacement at various locations.	CP-S	P&E	150,000	-	-	-	150,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
31. Galvanized Pipeline Replacement	Replace galvanized mains at various locations.	WQ	P&E	100,000	-	-	-	100,000
32. Water Main Installation & Replacement	Install and replace water mains at various locations.	CP	P&E	100,000	-	-	-	100,000
Pipelines Total				2,950,000	-	-	58,950,000	61,900,000
D. Treatment								
33. GAC Interior Corrosion Control at Various Locations	Perform interior corrosion control of selected BWS GAC facilities. CM services funding included for this project.	WSO	Const	3,000,000	-	-	-	3,000,000
			P&E	500,000	-	-	-	500,000
Treatment Total				3,500,000	-	-	-	3,500,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
E. Facilities								
34. Beretania IT Data Center Renovation	Renovate and install workstation layout changes to the Data Center to more effectively utilize the floor space following decommissioning and removal of the server racks. Reposition/relocate equipment racks and update power and HVAC systems. Renovate women's restroom and IT breakroom.	CP-S	Const	1,500,000	-	-	-	1,500,000
35. Storm Water Management Plan Improvements at Beretania Complex and Heeia Corporation Yard	Install improvements to eliminate pollutant runoff from the Beretania Complex and Heeia Corporation Yard.	CP-S	Const	1,000,000	-	-	-	1,000,000
36. Beretania Public Service Building 4th Floor Renovation	Renovate the 4th floor to create multipurpose rooms.	CP-S	Const	1,000,000	-	-	-	1,000,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
37. Piliuka PRV Replacement	Replace and relocate PRVs, along Waianae Valley Road near FH L06812, to above ground within new building. Restore power, communications and supervisory controls.	CP-D	Const	600,000	-	-	-	600,000
38. Pump Station Instrumentation & Controls and SCADA Upgrade	Upgrade instrumentation and controls equipment at various pump stations and revamp SCADA system to provide smarter functionality.	WSO	Const	-	-	-	1,400,000	1,400,000
	Project planning, design, and management services.	WSO	P&E	-	-	-	250,000	250,000
39. Honouliuli Water Recycling Facility Reroofing	Reroofing of the Honouliuli Water Recycling Facility Buildings.	WR	Const	260,000	-	-	-	260,000
40. Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	CP-S	Const	5,000,000	-	-	-	5,000,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
41. Security Improvements at Various Locations	Security improvements and enhancements includes, but not limited to fencing, doors and windows, vegetation setbacks and access control systems at various BWS locations.	CP-S	Const	1,500,000	-	-	-	1,500,000
42. Waimanalo Tunnel I And II and Waianae Plantation Tunnel III Renovation	Install improvements to stabilize entrance to tunnels.	CP	P&E	350,000	-	-	-	350,000
43. Pipeline Tunnel Inspection	Inspect pipeline tunnels at various locations.	CP	P&E	200,000	-	-	-	200,000
44. Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	CP-S	P&E	1,500,000	-	-	-	1,500,000
45. Monitoring Well Assessment and Repair	Provide well condition assessment and associated repair services for monitor wells.	WR	P&E	50,000	-	-	-	50,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
46. Professional Services for BWS Projects	Obtain services of archaeologists, botanists, environmental engineers, water quality labs, planners, government agencies and others.	CP	P&E	300,000	-	-	-	300,000

Facilities Total				13,260,000	-	-	1,650,000	14,910,000
Total Category II - Renewal and Replacement				25,375,000	10,000,000	-	86,100,000	121,475,000

III. Capacity Expansion

A. Pumps

47. Pacific Heights Booster No. 1	Land acquisition for new Pacific Heights Booster No. 1 to eliminate cross- country water main between Jack Lane and the Pacific Heights 578 Reservoir.	Land	Land	-	-	100,000	-	100,000
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Pumps Total				-	-	100,000	-	100,000
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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
B. Reservoirs								
Reservoirs Total				-	-	-	-	-
C. Pipelines								
48. Honouliuli WWTP Expansion 16-Inch Main	Install 16-inch mains and appurtenances along Roosevelt Avenue from Renton Road to Geiger Road and Kamakana Street - approx. 4,500 lin. ft.	WR	Const	-	4,300,000			4,300,000
Pipelines Total				-	4,300,000	-	-	4,300,000
D. Treatment								
49. Mililani Wells II GAC Installation	Install two (2) new GAC vessels, backwash tank system, including pump and filter setup, chlorinator infrastructure and piping.	CP	P&E	-	-	800,000	-	800,000
Treatment Total				-	-	800,000	-	800,000

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				Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
E. Facilities								
50. Kalaeloa Sea Water Desalination Facility	Design-Build-Operate- Maintain (DBOM) contract for a 1.7 MGD desalination facility with limited oversizing for future expansion. Install 16-inch transmission main along the project boundary from desalination facility to Olai Street, along Olai Street from end to Kalaeloa Boulevard, along Kalaeloa Boulevard from Olai Street to the existing 16-inch main near the Northern end of TMK 9-1-031:022- approx. 4,800 lin. ft.	WR	Const	-	-	17,000,000	-	17,000,000
	Provide project management services to monitor DBOM progress, plans review and RFI response.	WR	P&E	-	-	1,000,000	-	1,000,000
							-	
Facilities Total				-	-	18,000,000	-	18,000,000
Total Category III - Capacity Expansion				-	4,300,000	18,900,000	-	23,200,000

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	Operating Fund	Operating Fund - SRF	Special Expendable Fund	Improvement Funds	Total
Total Categories I - III	32,275,000	14,300,000	18,900,000	86,100,000	151,575,000
Construction Cost Index Adjustment	2,421,000	1,430,000	1,700,000	7,250,000	12,801,000
Contract Adjustment Account	15,600,000	-	-	-	15,600,000
FY 2022 Capital Improvement Program Total	50,296,000	15,730,000	20,600,000	93,350,000	179,976,000