

MINUTES

PUBLIC HEARING AND THE REGULAR MEETING OF THE BOARD OF WATER SUPPLY

May 28, 2013

The Public Hearing was held in the Board Room of the Public Service Building at 630 South Beretania Street, Honolulu, Hawaii, to Consider (1) Adoption of the Operating and Capital Improvement Program Budget for the Fiscal Year 2013-2014 and Appropriating Funds Therefor.

Present: Duane R. Miyashiro, Board Chair
Mahealani Cypher, Vice Chair
Theresia C. McMurdo
Adam C. Wong
Kaulana H. R. Park
Ross S. Sasamura
Glenn M. Okimoto

Also Present: Ernest Lau, Manager and Chief Engineer
Ellen Kitamura, Deputy Manager and Chief Engineer
Daryl Hiromoto
Jason Takaki
Tracy Burgo
Susan Uyesugi
Kevin Ihu
Barry Usagawa
Karen Tom
Alex Ubiadas
Stuart Wong
Ron Wada
Sandy Moriki
Kenrick Wong
Lyann Okada

Others Present: Krishna Jayaram, Deputy Corporation Counsel
Marilyn Ushijima, Deputy Corporation Counsel
Clifford Lum, URS Corporation

At 2:01 PM on May 28, 2013, Board Chairman Miyashiro called to order the Regular Meeting.

APPROVAL
OF MINUTES

Approval of the Minutes of the Regular Meeting held on April 22, 2013

MOTION
TO APPROVE

Adam Wong and Mahealani Cypher motioned and seconded, respectively, to approve the Minutes of the Regular Session Meeting of April 22, 2013. The motion was unanimously carried.

APPROVAL
OF MINUTES

Approval of the Minutes of the Workshop Meeting held on May 13, 2013

MOTION
TO APPROVE

Adam Wong and Mahealani Cypher motioned and seconded, respectively, to approve the Minutes of the Workshop Session Meeting of May 13, 2013. The motion was unanimously carried.

At 2:02 PM, Chairman Miyashiro called to order the Public Hearing announcing that this Public Hearing is to consider the proposed 2013-2014 Operating and Capital Improvement Program (CIP) Budget for the fiscal year beginning July 1, 2013. A notice of Public Hearing appeared in the May 17, 2013, Honolulu Star Advertiser newspaper.

Before beginning the Public Hearing, Mr. Miyashiro stated that the Board is dedicated to the provision of a safe, adequate and reliable supply of water to their customers. One of the best ways they ensure that this occurs is to plan and fund a regular program of water facility replacement and improvement as reflected in the annual Operating and CIP Budget they are considering today.

On May 13, 2013, a public meeting was held and a budget informational workshop was presented. The workshop outlined the department's goals and objectives and the proposed Operating and CIP Budgets for the fiscal year 2013-2014.

Before taking testimony, Ernest Lau, Manager and Chief Engineer of the Board of Water Supply explained that the proposed budget for fiscal year 2013-2014 consists of the Operating Budget and the CIP Budget. The Operating Budget provides for operational and maintenance costs for continuing water services to customers while the CIP Budget provides funding for research and facility replacement costs as well as funding for major water system additions or expansions.

Combined, these budgets propose total expenditures of about \$252.0 million. Approximately 67 percent of the combined budgets are allocated to operation expenditures totaling \$169.8 million, while 33 percent or \$82.2 million is allocated to the CIP. Mr. Lau gave a presentation of the details of the different programs included in the budget.

Mr. Lau informed the Board that each year they will carry over a fund balance to maintain their debt service coverage ratio. This allows the Department to maintain their current bond rating of AA+, which is a very good rating that affords cheaper interest costs when borrowing money.

Mr. Lau also explained that the decrease in fixed charges of \$1.0 million was due to less funding requirements for the unfunded liability of the Employer Union Health Benefit Trust Fund post-employment costs. In response to Board Member Okimoto's inquiry, Mr. Lau replied that the BWS is fully funded.

Mr. Okimoto inquired about the \$82.2 million CIP Budget and how much of that is bond financed. Mr. Lau replied that currently there is no bond financing for that; about \$62.2 million is from the operating fund which is cash funded CIP, about \$13.4 million is from the Special Expendable Fund, and about \$6.6 million is from the State Revolving Fund. Mr. Okimoto requested that the BWS develop a program to bond finance more of the CIP projects in order to double the CIP projects and to take advantage of the market now with the 3 percent interest rate. Mr. Lau commented that the challenge with doubling their CIP would be their ability to deliver all of the projects. He thanked Mr. Okimoto for his suggestion and informed the Board that as part of the BWS master plan, they are working on a 30-year financial plan where debt financing is one of the options being considered.

Chairman Miyashiro announced that they will now take testimony on the proposed Operating and CIP Budget. There being no testimony, discussion, or questions, Chairman Miyashiro closed the Public Hearing and continued on with the Regular Meeting of the Board.

ADOPTION OF
RESOLUTION
NO. 833, 2013

"May 28, 2013

Chairman and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii

Chairman and Members:

Subject: Adoption of Resolution No. 833, 2013, Adopting the
Operating and Capital Improvement Program Budget for the
Fiscal Year 2013-2014 and Appropriating Funds
Therefor

We recommend adoption of the proposed Operating and Capital
Improvement Program Budget for the fiscal year beginning July 1, 2013
and ending June 30, 2014.

A public hearing to consider the proposed budget, as required by the City
Charter, was held on May 28, 2013. The affidavit attesting to the
publication of the public hearing notice is attached.

We further recommend adoption of the attached Resolution No. 833, 2013,
appropriating funds for the Operating and Capital Improvement Program
Budget for fiscal year 2013-2014 as follows:

1. The sum of \$169,779,368 from the Operating Fund for
Operating Budget expenditures.
2. The sum of \$62,198,800 from the Operating Fund,
\$13,350,000 from the Special Expendable Fund, and
\$6,630,000 from the State Revolving Fund for Capital
Improvement Program Budget expenditures.

Respectfully submitted,

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

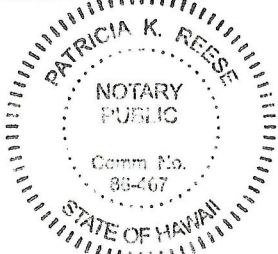
Attachments"

AFFIDAVIT OF PUBLICATION

IN THE MATTER OF
NOTICE OF PUBLIC HEARING

STATE OF HAWAII }
 } SS.
City and County of Honolulu }

Doc. Date:	MAY 17 2013	# Pages:	1
Notary Name:	Patricia K. Reese First Judicial Circuit		
Doc. Description:	Affidavit of Publication		
Notary Signature	Date		



Rose Rosales being duly sworn, deposes and says that she is a clerk, duly authorized to execute this affidavit of Oahu Publications, Inc. publisher of The Honolulu Star-Advertiser and MidWeek, that said newspapers are newspapers of general circulation in the State of Hawaii, and that the attached notice is true notice as was published in the aforementioned newspapers as follows:

Honolulu Star-Advertiser 1 times on:
05/17/2013

Midweek Wed. 0 times on:

_____ times on:

And that affiant is not a party to or in any way interested in the above entitled matter.

Rose Rosales

Subscribed to and sworn before me this 17th day

of May A.D. 2013

Patricia K. Reese, Notary Public of the First Judicial Circuit, State of Hawaii

My commission expires: Oct 07 2014

Ad # 0000520838

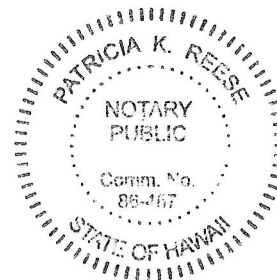
NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the BOARD OF WATER SUPPLY, CITY AND COUNTY OF HONOLULU, will hold a PUBLIC HEARING in the Board Room, Public Service Building, 630 South Beretania Street, on TUESDAY, MAY 28, 2013, at 2:00 p.m. or soon thereafter, where all interested persons shall be afforded the opportunity of being heard on the adoption of the Proposed FY 2013 - 2014 Operating and Capital Improvement Program Budget of the Board of Water Supply for the fiscal year July 1, 2013 to June 30, 2014.

Information to be discussed at this public hearing is available at Room 201 of the Public Service Building, Board of Water Supply, 630 South Beretania Street. All comments on or suggested changes to the proposed FY 2013 - 2014 Operating and Capital Improvement Program Budget of the Board of Water Supply should be filed in writing before the date of the public hearing or presented in person at the time of the hearing. Persons wishing to speak are requested to register by 1:00 p.m. with Alison Kawata, 748-5100, by providing your name, phone number, and subject matter of testimony. Testimony is limited to three minutes and shall be presented by the registered speaker only. Any questions, please call 748-5100. Any disabled person requiring special assistance who plans to attend the public hearing, may contact Ms. Alison Kawata at 748-5100, no later than May 21, 2013, so that appropriate accommodations can be provided.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

(SA520838 5/17/13)



LN: _____

DISCUSSION

Vice Chair Cypher thanked the Department for the hard work in putting together the budget. She suggested designing a more realistic budget; how much, realistically, can the department deliver with their current manpower. Mr. Lau explained to the Board that at the beginning of the year, they have a schedule for the upcoming year listing the anticipated projects that would be encumbered into contracts and bid out for construction. He added that included in the budget are programs for program management consultants to assist the divisions to become more efficient in delivering the projects.

Mr. Miyashiro stated that as members of the Board, they are concerned when main breaks cause disruption to customers, so the Board urges the Department to use best efforts to push out the projects and offered any assistance from the Board to accomplish this. Mr. Miyashiro commented that recent editorials and media coverage states that the BWS needs to look at the bottom line, but feels that the BWS is already doing this with its recent issuance of a Request for Proposal on the Beretania Development Project, which would help to reduce rates for the ratepayer. He stated that the Board wants to see internal efficiencies increase and fixed costs decrease, and he applauds and encourages the Department to continue using best efforts to accomplish this.

Board Member Park commended Mr. Lau and his staff for their efforts and agrees with Mr. Okimoto on bond financing on the CIP and stressed the importance of getting the projects out. Mr. Lau agrees that with the added revenues from the rate increase, it's critical to deliver the projects. Mr. Lau stated that bond financing should be done only if they are certain they can deliver the projects because they will incur the debt service costs as soon as they sell the bonds.

MOTION TO ADOPT BUDGET

Adam Wong motioned to adopt Resolution No. 833, 2013, Adopting the Operating and Capital Improvement Program Budget for the Fiscal Year 2013-2014 and Appropriating Funds Therefor. The motion was seconded by Ross Sasamura and unanimously carried.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 833, 2013

**RESOLUTION ADOPTING THE OPERATING AND CAPITAL IMPROVEMENT
PROGRAM BUDGET FOR FISCAL YEAR 2013 - 2014 AND APPROPRIATING FUNDS
THEREFOR**

BE IT RESOLVED by the Board of Water Supply, City and County of Honolulu, State of Hawaii, that in accordance with the provisions of Article VII of the Charter of the City and County of Honolulu, the sum of ONE HUNDRED SIXTY NINE MILLION SEVEN HUNDRED SEVENTY NINE THOUSAND THREE HUNDRED SIXTY EIGHT DOLLARS (\$169,779,368) be and the same is hereby appropriated out of all monies placed to the credit of the Operating Fund for expenditures of the Board of Water Supply Operating Budget for the fiscal year beginning July 1, 2013 and ending June 30, 2014 as follows:

OPERATING BUDGET

OPERATING FUND.....\$169,779,368

BE IT FURTHER RESOLVED that the said Operating Fund appropriation may be increased to the extent that any State or Federal environmental law, regulation, and/or electric power cost, causes the Board of Water Supply to exceed the cost thresholds as specified in the Schedule of Rates and Charges for the Furnishing of Water and Water Service; and

BE IT FURTHER RESOLVED that the sum of SIXTY TWO MILLION ONE HUNDRED NINETY EIGHT THOUSAND EIGHT HUNDRED DOLLARS (\$62,198,800)

be and the same is hereby appropriated out of all monies placed to the credit of the Operating Fund, the sum of THIRTEEN MILLION THREE HUNDRED FIFTY THOUSAND DOLLARS (\$13,350,000) be and the same is hereby appropriated out of all monies placed to the credit of the Special Expendable Fund, and the sum of SIX MILLION SIX HUNDRED THIRTY THOUSAND DOLLARS (\$6,630,000) be and the same is hereby appropriated out of all monies placed to the credit of the State Revolving Fund, for expenditures of the Board of Water Supply Capital Improvement Program Budget for the fiscal year beginning July 1, 2013 and ending June 30, 2014, as follows:

CAPITAL IMPROVEMENT PROGRAM BUDGET

OPERATING FUND.....	\$62,198,800
SPECIAL EXPENDABLE FUND.....	\$13,350,000
STATE REVOLVING FUND.....	\$ 6,630,000

BE IT FURTHER RESOLVED that the Manager and Chief Engineer, at his discretion, shall have the authority to adjust the method of funding the Capital Improvement Program Budget and that the Manager and Chief Engineer may increase or decrease the amount appropriated out of the Operating Fund, Improvement Fund, State Revolving Fund and Special Expendable Fund in the Capital Improvement Program Budget, provided that the total consolidated appropriation of the Operating Budget and Capital Improvement Program Budget remains the same; and

BE IT FINALLY RESOLVED that revenue bonds of the Board of Water Supply, City and County of Honolulu, general obligation bonds of the City and County of Honolulu, commercial paper or other alternative forms of financing deemed appropriate

by the Board of Water Supply, are authorized for issuance to yield the amount that may be necessary to finance projects listed in the Board of Water Supply Capital Improvement Program Budget and designated to be financed from the Improvement Fund and such additional amounts as may be deemed necessary to pay the expenses of issuance of such bonds or other financing; provided that the Board of Water Supply shall by resolution, and the Council of the City and County of Honolulu for general obligation bonds shall by ordinance, determine the form, date, amount, denomination, and maturity of the bonds herein authorized.

ADOPTED:

/s/ Duane R. Miyashiro
DUANE R. MIYASHIRO
Chairman

Honolulu, Hawaii
May 28, 2013

RESOLUTION NO. 833, 2013, WAS ADOPTED AT THE MAY 28, 2013 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO	X		
ADAM C. WONG	X		
KAULANA H. R. PARK	X		
ROSS S. SASAMURA	X		
GLENN M. OKIMOTO	X		

BOARD OF WATER SUPPLY

City and County of Honolulu
Honolulu, Hawaii



2013 - 2014 BUDGET

For the Fiscal Year
Beginning July 1, 2013 and
Ending June 30, 2014

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

OPERATING AND CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

2013 - 2014 BUDGET

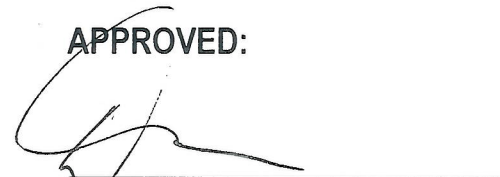
**For the Fiscal Year beginning
July 1, 2013 and ending June 30, 2014**

SUBMITTED BY:



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

APPROVED:



**DUANE R. MIYASHIRO, Chairman
May 28, 2013**

BOARD OF WATER SUPPLY
City and County of Honolulu

BOARD MEMBERS

Duane R. Miyashiro, Chairman

Mahealani Cypher, Vice-Chair

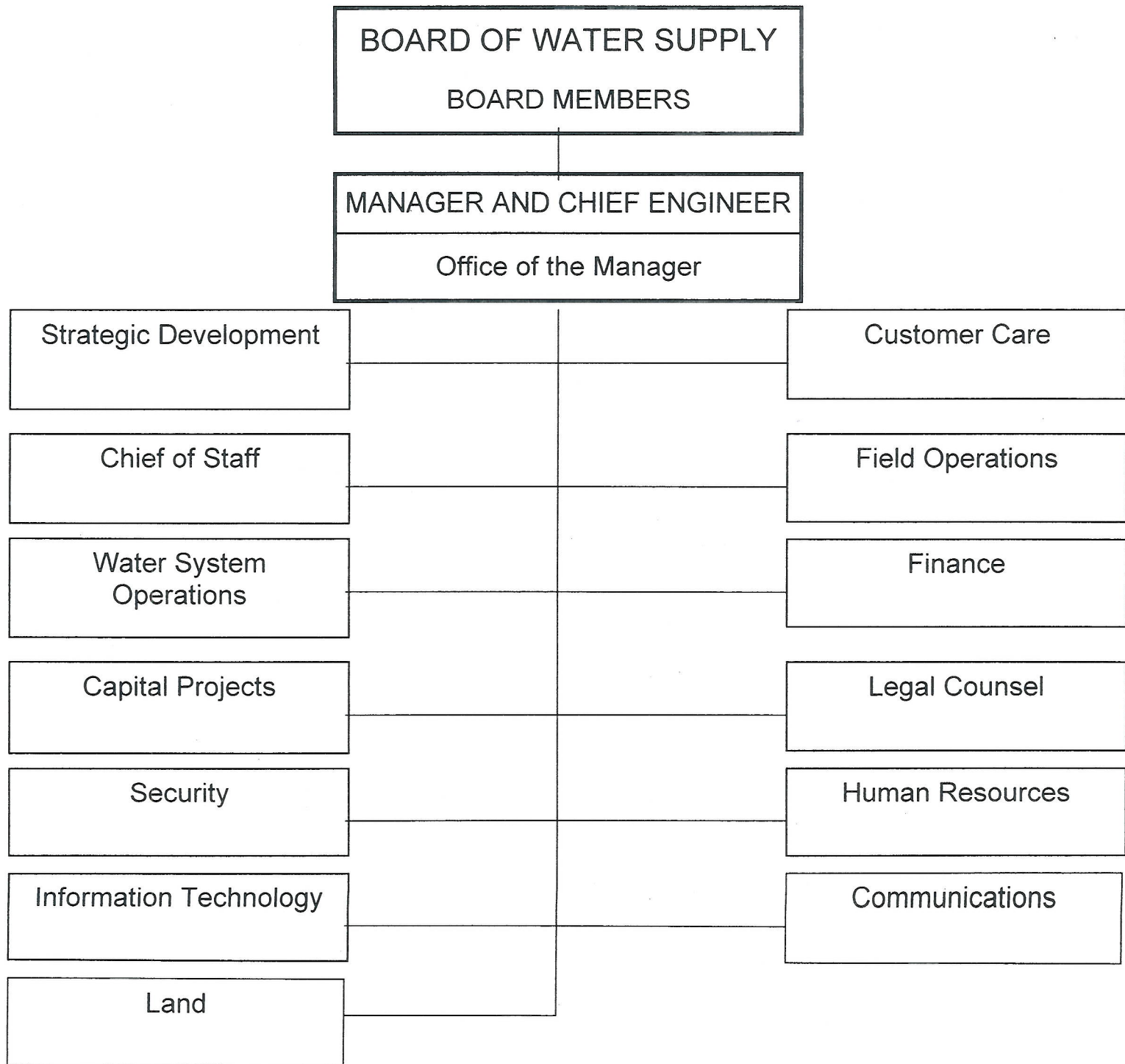
Theresia C. McMurdo, Member

Adam C. Wong, Member

Kaulana H. R. Park, Member

Ross S. Sasamura, Ex-Officio

Glenn M. Okimoto, Ex-Officio



May 28, 2013

Chairman and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii

Ladies and Gentlemen:

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, 2013 to June 30, 2014.

FINANCIAL PLAN

The proposed Operating Budget for FY 2013-2014 is based upon total operating fund resources of about \$266.6 million, to be derived from operating revenues of approximately \$203.5 million and an estimated carryover balance from FY 2012-2013 of \$63.1 million. The carryover balance results primarily from the currently unappropriated fund balance. The proposed operating fund expenditure allocations are \$169.8 million for operating expenses and \$62.2 million for the Capital Improvement Program (CIP). A projected ending balance of about \$34.6 million remains unappropriated.

The proposed Capital Improvement Program budget totals \$82.2 million, to be funded by \$62.2 million from the Operating Fund; \$13.4 million from the Special Expendable Fund; and \$6.6 million from the State Revolving Fund.

Appropriations for the CIP will be valid for 12 months, beginning July 1, 2013, through June 30, 2014.

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 2013 - 2014, we are projecting total revenues of \$203.5 million; which is \$19.4 million or 10.5 percent more than total revenues budgeted for FY 2012 - 2013.

<u>Revenue Sources</u>	2011 - 2012 <u>Actual</u>	2012 - 2013 <u>Budgeted</u>	2013 - 2014 <u>Budgeted</u>	Percent Change FY 2014 over FY <u>2013</u>
Metered Sales:				
Potable and Nonpotable Water	146,835,877	170,172,500	190,944,400	12.2%
Recycled Water	5,148,576	5,510,100	5,300,000	-3.8%
Other Revenues	<u>6,861,625</u>	<u>8,418,621</u>	<u>7,273,600</u>	<u>-13.6%</u>
Total Revenues	<u>158,846,078</u>	<u>184,101,221</u>	<u>203,518,000</u>	<u>10.5%</u>

Metered Sales – Potable Water and Non-Potable

Potable and non-potable water sales at \$190.9 million are projected to increase by 12.2 percent over the FY 2012 - 2013 budgeted amount. This increase is primarily due to a rate adjustment with a minimal assumed growth in the number of customers.

Metered Sales – Recycled Water

Recycled water sales at \$5.3 million will decrease 3.8 percent when compared to the FY 2012 - 2013 budgeted amounts.

Other Revenues

Other Revenues at \$7.3 million will be 13.6 percent lower than the FY 2012 - 2013 budgeted amount due to an anticipated decrease in interest income.

B. EXPENDITURES

The proposed total operating expenditures for FY 2013 – 2014 are budgeted at \$232.0 million. This represents an increase of \$35.2 million, or 17.9 percent more than the amount budgeted for the current fiscal year. This change is primarily attributable to increases in funding for personnel services of \$2.2 million; an increase in materials, supplies and services of \$2.5 million and an increase of \$30.6 million for our Capital Improvement Program.

Highlights of the proposed Operating Budget for FY 2013 - 2014 are presented following the next table.

Summary of Proposed Operating Budget, by Major Cost Categories

<u>Major Cost Categories</u>	FY 2012	% of	FY 2013	% of	FY 2014	% of	FY 2014 over FY 2013	
	<u>Actual</u>	<u>Total</u>	<u>Budgeted</u>	<u>Total</u>	<u>Budgeted</u>	<u>Total</u>	<u>Amount</u>	<u>Percent</u>
Personnel Services	30,134,586	18.4%	40,802,455	20.7%	43,017,539	18.5%	2,215,084	5.4%
Materials, Supplies, and Services	29,492,659	18.0%	40,557,830	20.6%	43,062,929	18.6%	2,505,099	6.2%
Equipment	1,519,824	0.9%	2,323,400	1.2%	2,949,500	1.3%	626,100	26.9%
Debt Service	20,732,000	12.7%	22,189,000	11.3%	22,479,000	9.7%	290,000	1.3%
Fixed Charges	48,540,388	29.6%	59,304,948	30.1%	58,270,400	25.1%	-1,034,548	-1.7%
 Total Operating Expenditures	 130,419,457	 79.6%	 165,177,633	 84.0%	 169,779,368	 73.2%	 4,601,735	 2.8%
 Transfer to Capital Improvement Program	 33,325,376	 20.4%	 31,565,000	 16.0%	 62,198,800	 26.8%	 30,633,800	 97.0%
 Total Expenditures	 <u>163,744,833</u>	 <u>100.0%</u>	 <u>196,742,633</u>	 <u>100.0%</u>	 <u>231,978,168</u>	 <u>100.0%</u>	 <u>35,235,535</u>	 <u>17.9%</u>

Personnel Services

The proposed personnel services budget of \$43.0 million is \$2.2 million or 5.4 percent more than personnel services budgeted for the current year. This increase is primarily due to the additional funding for any wage and salary adjustments that the collective bargaining agreements which will become effective as of July 1, 2013.

Materials, Supplies and Services (MS&S)

The proposed MS&S budget of \$43.1 million is \$2.5 million or 6.2 percent more than the expenditures budgeted for the current year. This is primarily due to an increase in funding for program management services for the Capital Projects division \$2.0 million and the Water Systems Operations division \$1.5 million. These increases were offset by a decrease of \$991 thousand for non-potable water treatment expenses for the recycled water treatment facility.

Equipment

The proposed equipment budget of \$2.9 million is \$0.6 million or 26.9 percent more than the amount budgeted in FY 2012-2013. This increase is due to anticipated valve replacements at various GAC facilities \$300 thousand and an increase of \$317 thousand in the department's vehicle fleet replacement program.

Debt Service

The proposed debt service budget of \$22.5 million is \$0.3 million or 1.3 percent more than the amount budgeted in FY 2012 - 2013

Fixed Charges

The proposed fixed charges budget of \$58.3 million is \$1.0 million, or 1.7 percent less than the amount budgeted for the current year. This decrease is due to less funding requirements for the unfunded liability of the EUTF Health Fund post-employment costs. Based on the latest actuarial studies, the department's funding requirements will decrease for fiscal year 2013-2014 by \$664 thousand.

PART II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

A CIP budget of \$82.2 million is proposed for FY 2013 - 2014 to be funded as follows: Operating Fund - \$62.2 million; Special Expendable Fund - \$13.4 million; and State Revolving Fund - \$6.6 million.

Highlights of the proposed CIP for next year include funds for the renewal and replacement of various BWS pipelines and facilities (\$51.5 million), Kalawahine 180' 2.0MG reservoir (\$8.0 million), BWS Water Master Plan (\$5.5 million) and Wireless Communication System (\$2.8 million)

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

Respectfully submitted,



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

SUMMARY OF ALL FUNDS

OPERATING BUDGET

CAPITAL IMPROVEMENT
PROGRAM BUDGET

Board of Water Supply
Summary of All Funds
Operating Fund, Improvement Fund, Special Expendable, Extramural Fund, and State Revolving Fund
Fiscal Year 2013 - 2014

	Operating Fund	Improvement Fund	Special Expendable Fund	Extramural Fund	State Revolving Fund	Total All Funds by Program
Operating Budget	169,779,368	-	-	-	-	169,779,368
Capital Improvement Program	62,198,800	-	13,350,000	-	6,630,000	82,178,800
Total by Fund	231,978,168	-	13,350,000	-	6,630,000	251,958,168

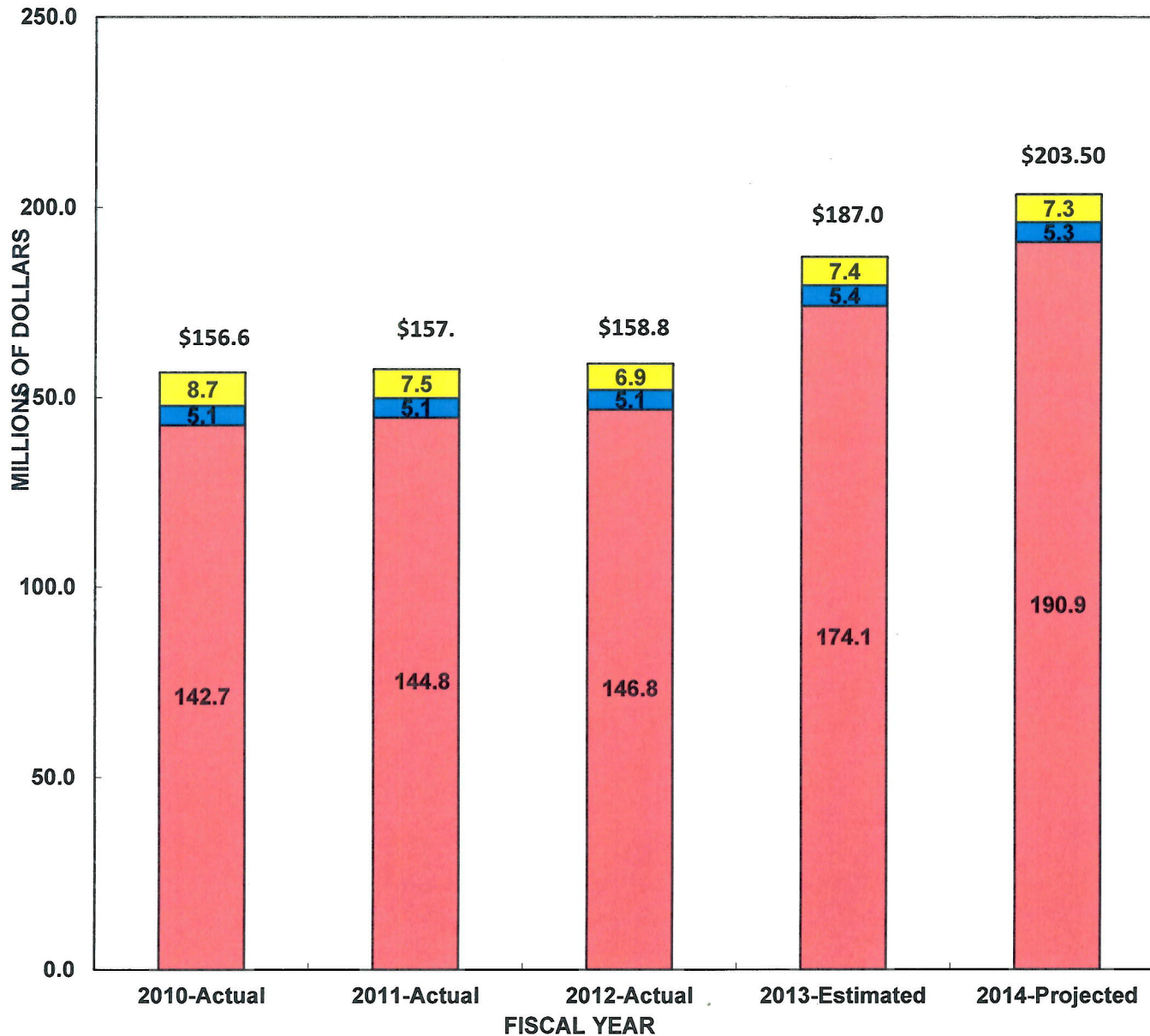
I. OPERATING BUDGET

Graphs	GR-1
Resources and Expenditures	OP-1
Revenues	OP-3
Expenditure Classification – Department Summary	OP-5
Expenditures by Major Program and/or Activity:	
Debt Service	OP-12
Departmental Fixed Charges	OP-14
Office of the Manager and Chief Engineer	OP-16
Legal Counsel	OP-18
Security	OP-20
Communications	OP-22
Procurement	OP-24
Ocean Cooling	OP-26
Business Development	OP-28
Customer Care	OP-30
Water Resources	OP-46
Land	OP-62
Field Operations	OP-64
Capital Projects	OP-82
Water System Operations	OP-94
Information Technology	OP-120
Human Resources	OP-132
Finance	OP-134

II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

Summary	CIP-1
CIP Project Details	CIP-2

OPERATING FUND REVENUES

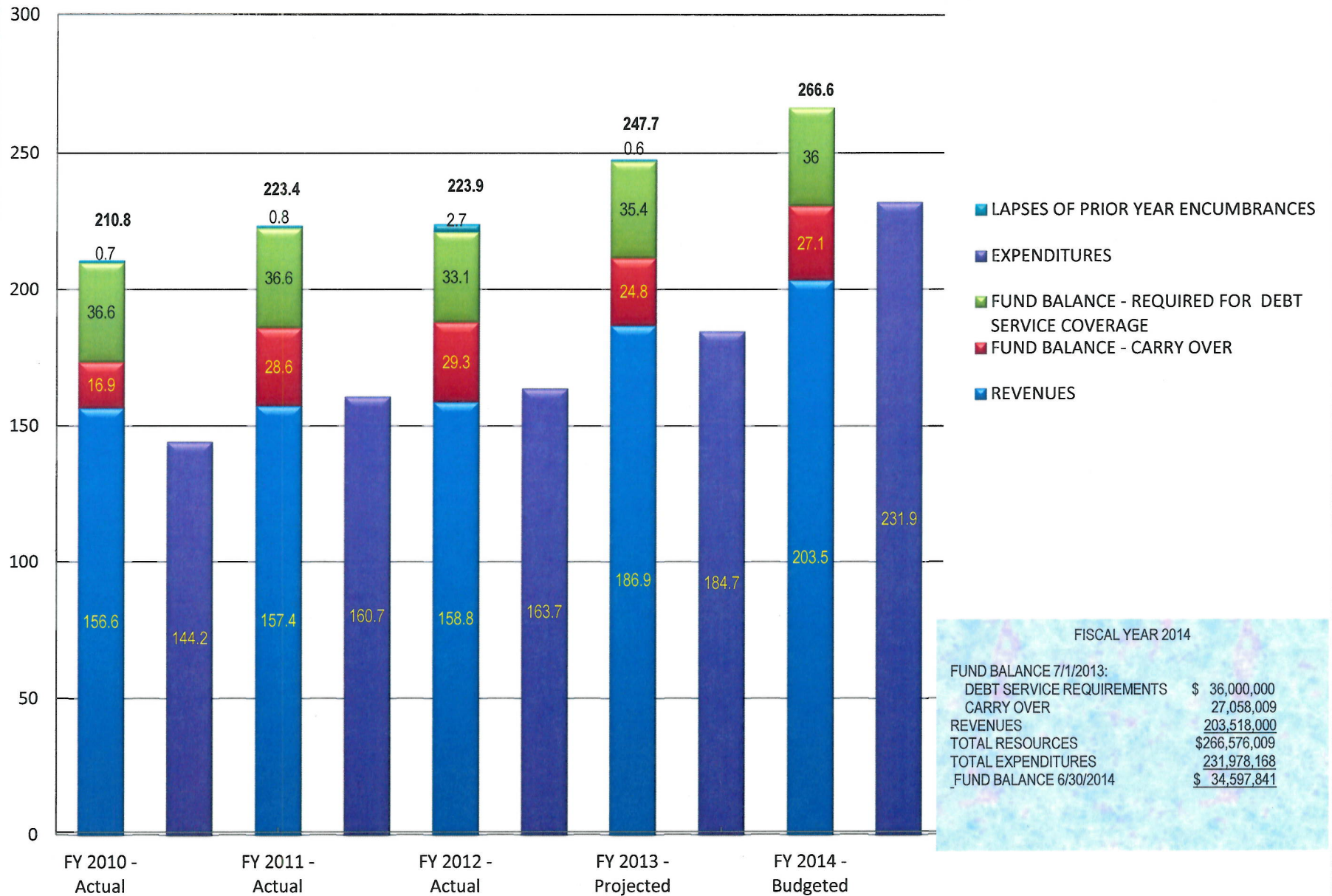


OTHER REVENUES
METERED SALES - RECYCLED
METERED SALES - POTABLE & NON-POTABLE

Fiscal Year 2014

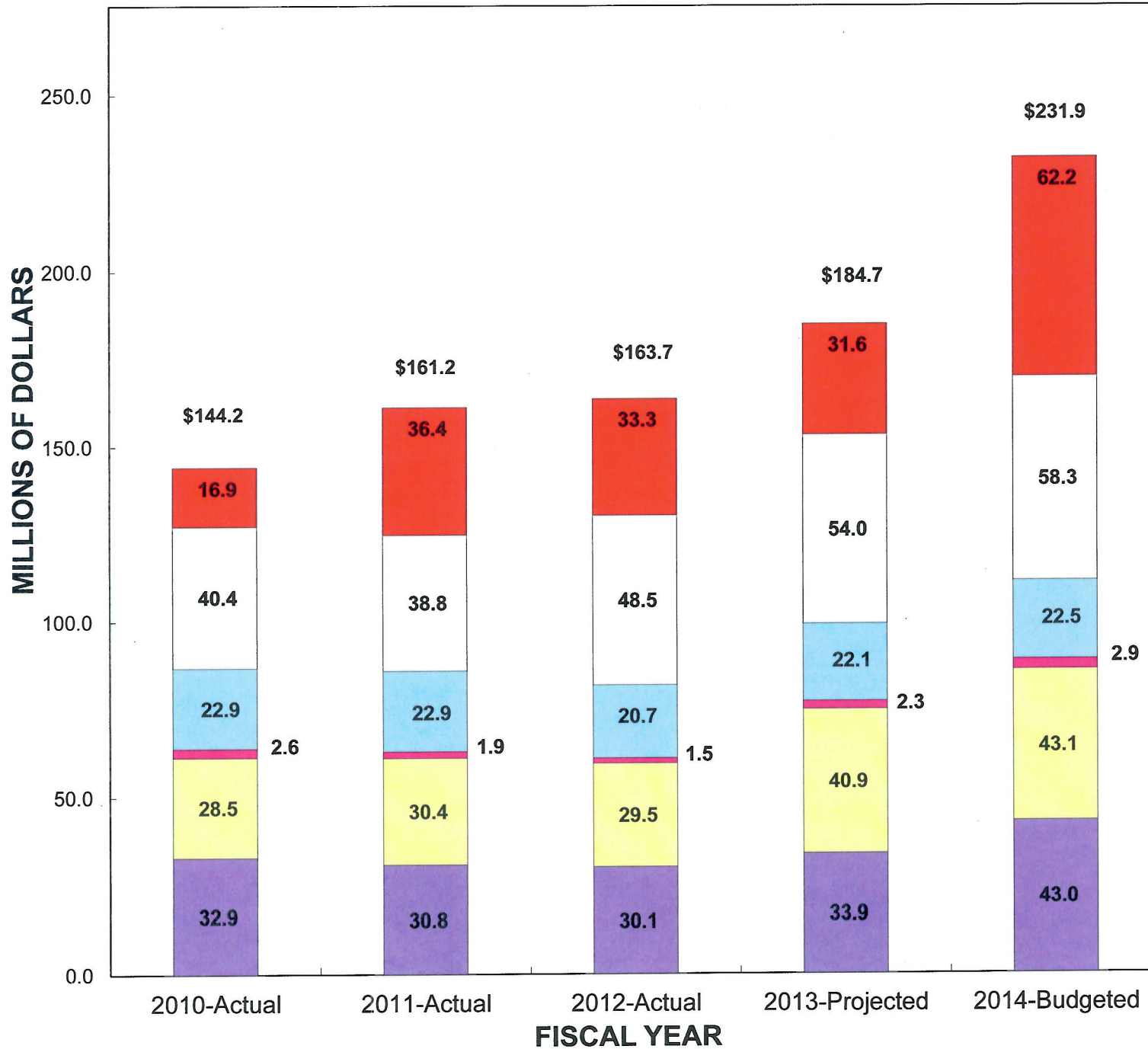
Metered Sales - Potable & Non-Potable	\$ 190,944,400
Metered Sales - Recycled	5,300,000
Other Revenues	<u>7,273,600</u>
Total Revenues	\$ 203,518,000

TOTAL RESOURCES VS. TOTAL EXPENDITURES



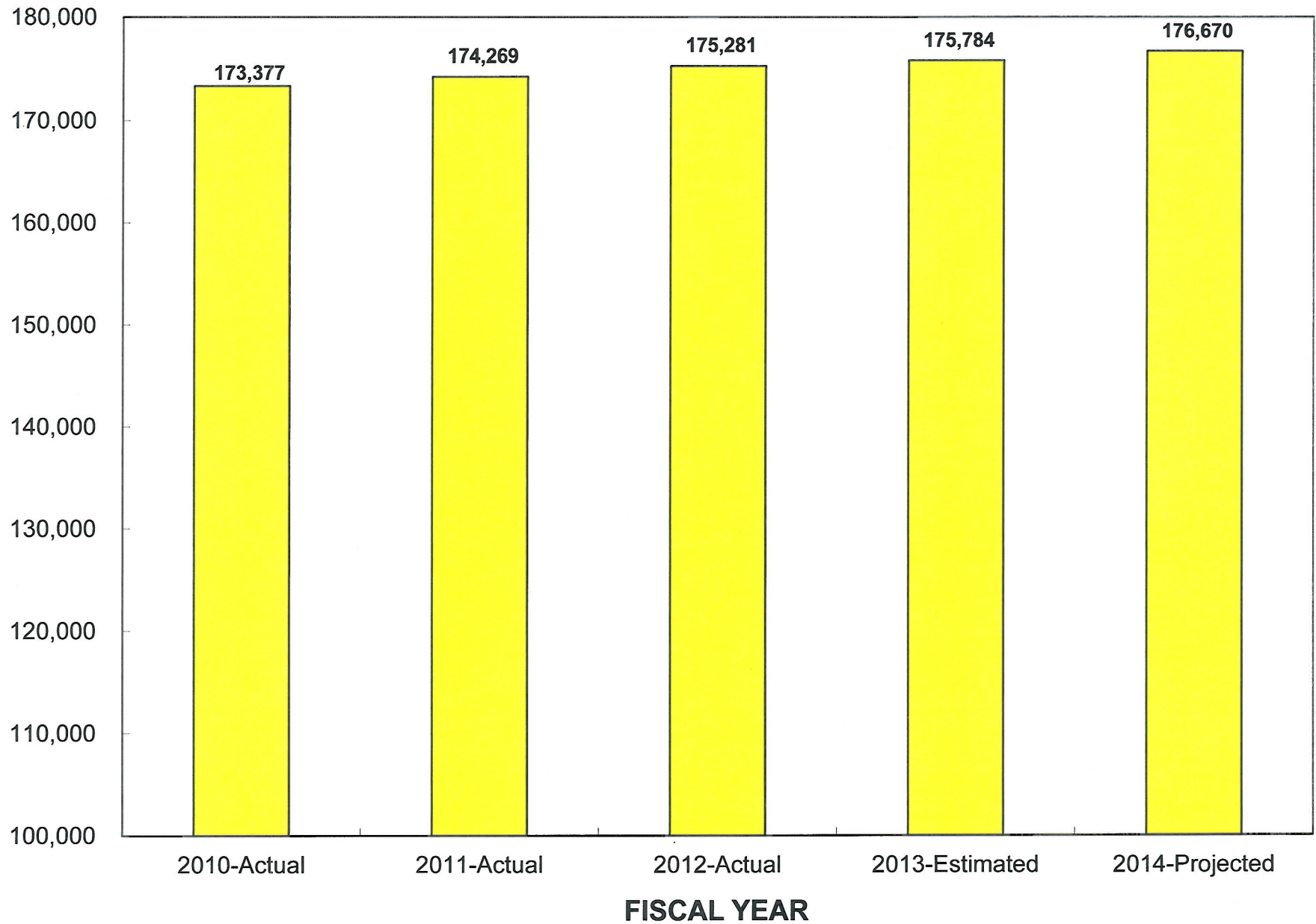
FISCAL YEAR 2014	
FUND BALANCE 7/1/2013:	
DEBT SERVICE REQUIREMENTS	\$ 36,000,000
CARRY OVER	27,058,009
REVENUES	203,518,000
TOTAL RESOURCES	\$266,576,009
TOTAL EXPENDITURES	231,978,168
FUND BALANCE 6/30/2014	\$ 34,597,841

OPERATING FUND EXPENDITURES

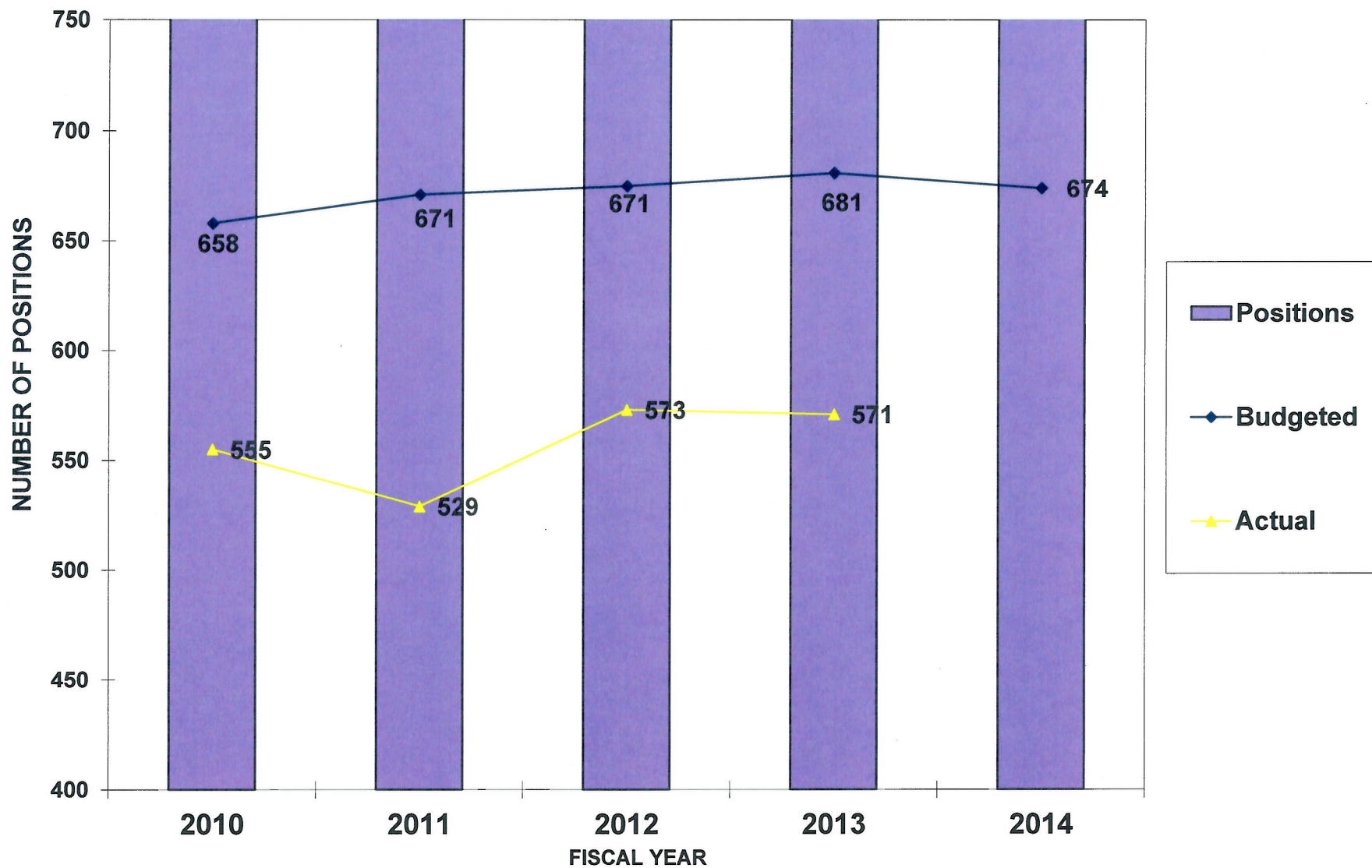


Fiscal Year 2014		
CIP	\$	62,198,800
Fixed Charges		58,270,400
Debt Service		22,479,000
Equipment		2,949,500
MS&S		43,062,929
Personnel Srv		43,017,539
Total		\$231,978,168

NUMBER OF CUSTOMERS



BUDGETED POSITIONS



PART I

OPERATING BUDGET

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEPARTMENT SUMMARY

RESOURCES AND EXPENDITURES	FY 2011 - 2012	FY 2012 - 2013		FY 2013 - 2014
	Actual	Budget	Estimated	Budget
BEGINNING BALANCE	62,397,052	38,180,275	60,179,166	63,058,009
Revenues	158,846,078	184,101,221	186,967,294	203,518,000
Transfer from City	-	-	-	-
Transfer from Special Expendable Fund	-	-	-	-
Lapses/Adjustments	2,680,869	-	608,235	-
Total Resources	223,923,999	222,281,496	247,754,695	266,576,009
Operating Expenditures	130,419,457	165,179,133	153,131,686	169,779,368
Capital Program	33,325,376	31,565,000	31,565,000	62,198,800
Total Expenditures	163,744,833	196,744,133	184,696,686	231,978,168
ENDING BALANCE	60,179,166	25,537,363	63,058,009	34,597,841

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEPARTMENT SUMMARY

REVENUES	FY 2011 - 2012	FY 2012 - 2013		FY 2013 - 2014
	Actual	Budget	Estimated	Budget
Metered Sales - Potable and Non-Potable	146,835,877	170,172,500	174,139,911	190,944,400
Metered Sales - Recycled	5,148,576	5,510,100	5,400,000	5,300,000
Automatic Fire Sprinkler Charges	547,800	533,576	530,000	530,000
Ocean Cooling	1,150,361	1,175,301	1,171,654	1,182,600
Other Water Revenues	1,656,317	3,004,612	1,656,317	1,880,000
Revenues from Installations	888,340	991,648	917,000	950,000
Merchandising and Jobbing	253,437	218,052	140,000	200,000
Interest Income	2,027,646	2,266,000	2,332,328	2,266,000
Miscellaneous Non-Operating Revenue	197,258	66,684	490,084	75,000
Non-Operating Rental Income	140,465	162,748	190,000	190,000
TOTAL	158,846,078	184,101,221	186,967,294	203,518,000

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2011 - 2012	FY 2012 - 2013		FY 2013 - 2014
	Actual	Budget	Estimated	Budget
Personnel Services	30,134,586	40,802,455	33,870,934	43,017,539
Materials, Supplies and Services	29,492,659	40,557,830	40,850,649	43,062,929
Equipment	1,519,824	2,323,400	2,277,428	2,949,500
Debt Service	20,732,000	22,189,000	22,149,000	22,479,000
Departmental Fixed Charges	48,540,388	59,304,948	53,983,674	58,270,400
SUBTOTAL - OPERATING EXPENDITURES	130,419,457	165,177,633	153,131,686	169,779,368
Transfer to Capital Program	33,325,376	31,565,000	31,565,000	62,198,800
TOTAL EXPENDITURES	163,744,833	196,742,633	184,696,686	231,978,168

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEPARTMENT SUMMARY	FY 2011 - 2012	FY 2012 - 2013	FY 2013 - 2014
Expenditure Classification	Actual	Budget	Budget
PERSONNEL SERVICES (NO. OF POSITIONS)			
	(4)	(6)	(6)
Office of the Manager and Chief Engineer	396,024	563,458	491,766
	(5)	(5)	(4)
Legal Counsel Office	276,021	262,040	177,224
	(4)	(4)	(4)
Security Office	128,837	136,904	134,045
	(9)	(11)	(10)
Communications Office	450,081	573,908	508,655
	(4)	(4)	(3)
Procurement	76,156	181,012	149,110
	(1)	(1)	(1)
Ocean Cooling	220,008	220,000	220,005
	(2)	(2)	(2)
Business Development	142,265	162,024	144,757
	(81)	(106)	(83)
Customer Care	4,042,525	5,075,096	4,437,484
	(23)	(32)	(28)
Water Resources	1,540,842	2,066,350	1,708,037
	(3)	(5)	(4)
Land	125,403	272,310	233,941
	(191)	(227)	(195)
Field Operations	10,567,100	13,443,471	11,143,942
	(42)	(66)	(56)
Capital Projects	3,086,627	4,888,465	4,104,009
	(84)	(123)	(99)
Water Systems Operations	4,773,910	7,067,896	5,592,950
	(29)	(40)	(34)
Information Technology	1,992,699	2,965,419	2,458,142
	(8)	(9)	(8)
Human Resources	481,719	517,048	413,600
	(34)	(43)	(37)
Finance	1,834,369	2,407,053	1,953,268
(NO. OF POSITIONS)	(524)	(681)	(571)
TOTAL PERSONNEL SERVICES	30,134,586	40,802,455	33,870,934
			43,017,539

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2011 - 2012	FY 2012 - 2013		FY 2013 - 2014
	Actual	Budget	Estimated	Budget
MATERIALS, SUPPLIES AND SERVICES				
Office of the Manager and Chief Engineer	218,537	1,286,807	1,105,304	536,401
Legal Counsel Office	1,854,079	2,521,400	1,987,763	2,624,200
Security Office	500,183	781,216	648,615	875,193
Communications Office	166,637	241,360	196,344	258,170
Procurement	336	8,600	7,012	10,300
Ocean Cooling	109,847	429,000	315,743	429,000
Business Development	4,385	65,260	47,983	62,750
Customer Care	1,742,218	2,368,153	8,923,282	3,060,390
Water Resources	6,199,466	7,901,226	6,507,187	7,817,936
Land	9,607	480,580	414,075	736,500
Field Operations	5,156,493	6,904,620	5,426,877	6,819,400
Capital Projects	134,210	735,946	569,255	2,172,500
Water Systems Operations	5,276,252	7,982,735	5,596,965	8,928,150
Information Technology	5,013,742	5,960,943	5,311,014	5,687,105
Human Resources	714,530	1,288,274	1,160,684	1,288,774
Finance	2,392,138	1,601,710	2,632,548	1,756,160
TOTAL MATERIALS, SUPPLIES AND SERVICES	29,492,659	40,557,830	40,850,649	43,062,929

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2011 - 2012	FY 2012 - 2013		FY 2013 - 2014
	Actual	Budget	Estimated	Budget
EQUIPMENT				
Office of the Manager and Chief Engineer	-	-	-	-
Legal Counsel Office	-	-	-	-
Security Office	-	25,000	24,586	-
Communications Office	-	-	-	-
Procurement	-	-	-	-
Ocean Cooling	-	-	-	-
Business Development	-	-	-	-
Customer Care	6,387	144,000	143,100	108,000
Water Resources	23,000	89,800	59,800	120,300
Land	-	-	-	-
Field Operations	-	20,500	20,284	-
Capital Projects	-	28,000	28,000	-
Water Systems Operations	953,479	1,509,800	1,502,209	2,139,200
Information Technology	536,958	458,300	434,196	543,000
Human Resources	-	-	-	-
Finance	-	48,000	65,253	39,000
TOTAL EQUIPMENT	1,519,824	2,323,400	2,277,428	2,949,500

Bond Issues

<u>Year Issued</u>	<u>Amount (\$)</u>	<u>Year Expires</u>	<u>Years</u>
2004	100,000,000	2034	30
2006	213,805,000	2036	30
2012A	85,195,000	2033	21

**Board of Water Supply
Annual Operating Budget
Fiscal Year 2013 - 2014**

DEBT SERVICE

Expenditure Classification	FY 2011 - 2012	FY 2012 - 2013		FY 2013 - 2014
	Actual	Budget	Estimated	Budget
Water System Revenue Bonds				
Series 2001	262,898	-	-	-
Series 2002	-	-	-	-
Series 2004	4,305,313	2,558,000	2,558,000	2,564,000
Series 2006	13,365,853	13,201,000	13,201,000	13,201,000
Series 2012	2,792,001	4,746,000	4,746,000	4,750,000
SRF Loans	1,473,636	1,684,000	1,644,000	1,964,000
Interim Financing	-	-	-	-
TOTAL DEBT SERVICE	22,199,701	22,189,000	22,149,000	22,479,000

NET DEBT SERVICE REQUIREMENTS	22,199,701	22,189,000	22,149,000	22,479,000
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Section's Activity

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

Departmental Fixed Charges

- 4610 Cost of power charged by Hawaiian Electric Company for pumping facilities
- 4620 Consolidation of all electricity charges for administrative and support facilities.
- 5600 Central Administrative Service Expenses (CASE) fee paid to the City & County of Honolulu.
- 6010 Actual requirements per Employees' Retirement System resolution
- 6100 Hawaii Employer-Union Trust Fund Health Benefits costs and past service liabilities for employees.
- 6200 Hawaii Employer-Union Trust Fund Health Benefits costs and past service liabilities for retirees.
- 6250 Hawaii Employer-Union Trust Fund Health Benefits post-employment unfunded liability

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013 - 2014**

5990 - FIXED CHARGES AND DEBT SERVICE

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
7071	BOND INTEREST	12,744,000	13,194,000	13,193,000	12,922,000
1810	BOND PRINCIPAL	7,988,000	8,995,000	8,956,000	9,557,000
	TOTAL DEBT SERVICE	20,732,000	22,189,000	22,149,000	22,479,000
	DEPARTMENTAL FIXED CHGS				
4610	ELECTRIC POWER-PLANTS	24,414,887	30,820,500	27,497,004	30,000,000
4620	ELECTRICITY	1,313,053	1,687,912	1,652,535	1,700,000
4660	SEWER SERVICE CHARGE	86,435	97,012	93,062	112,800
4680	TELEPHONE	-	-	-	-
5600	CASE FEES	3,300,000	3,300,000	3,300,000	3,300,000
6010	RETIREMENT SYSTEM-NORMAL	4,397,271	4,946,100	4,691,338	5,160,000
6020	FICA CONTRIBUTIONS	2,136,506	2,133,824	2,114,924	2,400,000
6100	HEALTH BENEFITS-EMPLOYEES	2,146,499	2,719,600	2,085,082	2,640,000
6200	HEALTH BENEFITS-RETIREEES	10,724,875	6,000,000	4,929,289	6,000,000
6250	HEALTH FUND POST-EMPLOYMENT COSTS		7,600,000	7,600,000	6,936,000
6320	UNEMPLOYMENT INSUR BENEFITS	20,862	-	20,440	21,600
1570	MISC /REFUNDS	-	-	-	-
	TOTAL FIXED CHARGES	48,540,388	59,304,948	53,983,674	58,270,400

Office'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.

Materials, Supplies and Services

4255 Board of Directors expenses

4270 Corporation Counsel services.

4720 Conference and travel expenses for BWS personnel.

4910 AWWA RF subscription, AWWA membership dues, and other miscellaneous dues.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5100 - OFFICE OF THE MANAGER AND CHIEF ENGINEER

OBJECT ACCOUNT	OBJECT DESCRIPTION	Ffy 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	396,024	563,457.96	491,763	585,658
4120	OVERTIME	-	-	2	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	396,024	563,458	491,766	585,658
	NO. OF POSITIONS	4	6	5	6
	TOTAL POSITIONS	4	6	5	6
4250	OTHER CONTRACTUAL SERVICE	2,581	1,003,540	774,746	253,540
4255	OTHER SERVICES	2,732	41,015	40,542	44,075
4260	ADV & PUBL OF NOTICES	-	-	241	500
4265	PRINTING	-	1,000	2,135	1,000
4270	PROFESSIONAL SERVICES	32,419	32,136	30,712	33,100
4430	MISC SUPPLIES	2,331	5,000	3,482	5,000
4460	OTHER MATERIALS & SUPPLIE	1,951	925	1,376	925
4500	EDUCATION & TRAINING	2,078	1,000	500	1,000
4720	CONFERENCE EXPENSES	21,888	40,156	43,650	33,321
4815	REPAIR AND MAINT OF EQUIP	2,671	3,000	5,009	3,000
4910	MISC FEES & REGISTRATIONS	149,886	159,035	202,911	160,940
8050	EQUIPMENT UNDER \$5,000	-	1,000	669	200
	TOTAL MATERIAL & SUPPLIES	218,537	1,287,807	1,105,973	536,601
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	614,561	1,851,265	1,597,739	1,122,259

Office's Activity

The Legal Counsel Office is to provide quality and timely legal advice and counsel that take into consideration business, operational, and ethical concerns. We also seek to provide risk management services that ensure the business and operational exposures of the BWS are covered through either insurance or self - retention policies. Additionally, we ensure the safety and well - being of our employees through a comprehensive safety program and return-to-work program.

Materials, Supplies and Services

4270 Outside legal counsel; reimbursement to City Corporation Counsel for legal counsel position

5700 Insurance coverage for commercial general liability, fire and extended coverage, workers' compensation, public officials liability and underground storage tanks.

6350 Claims against the department for personal injuries and property damages.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5110 - LEGAL COUNSEL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	271,600	260,040	173,810	269,640
4120	OVERTIME	3,821	2,000	3,239	2,000
4130	MISC PAYROLL COSTS	600	-	175	-
	TOTAL PERSONNEL SERVICES	276,021	262,040	177,224	271,640
	TOTAL POSITIONS	5	5	4	5
4160	MEALS, MILEAGE, UNIFORM A	1,086	1,000	998	1,000
4250	OTHER CONTRACTUAL SERVICE	1,320	1,200	1,075	1,200
4260	ADV & PUBL OF NOTICES	-	500	500	500
4270	PROFESSIONAL SERVICES	600,000	500,000	418,244	622,400
4430	MISC SUPPLIES	629	2,000	1,721	1,000
4460	OTHER MATERIALS & SUPPLIE	-	3,500	3,236	1,000
4480	POSTAGE	-	100	80	100
4500	EDUCATION & TRAINING	-	3,000	2,242	3,000
4720	CONFERENCE EXPENSES	-	6,000	5,920	6,000
4815	REPAIR AND MAINT OF EQUIP	847	700	2,588	7,000
4910	MISC FEES & REGISTRATIONS	6,391	3,400	1,141	1,000
5700	LIABILITY INSURANCE POLICIES	650,848	1,100,000	850,000	1,100,000
6350	CLAIMS FOR PERS INJ & PROP DAMAGE	592,635	900,000	700,018	880,000
8050	EQUIPMENT UNDER \$5,000	323	-	-	-
	TOTAL MATERIAL & SUPPLIES	1,854,079	2,521,400	1,987,763	2,624,200
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,130,100	2,783,440	2,164,987	2,895,840

Office's Activity

The Security Office 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 and Oahu Civil Defense, and other Homeland Security organizations.

Materials, Supplies and Services

4250 Private security guard services and document shredding services.

4815 Maintenance of access control systems; emergency repair, replacement and installation of security measures

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5120 - SECURITY

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	126,064	133,404	130,865	138,204
4120	OVERTIME	2,773	3,500	3,180	3,500
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	128,837	136,904	134,045	141,704
	TOTAL POSITIONS	4	4	4	4
4160	MEALS, MILEAGE, UNIFORM A	78	1,000	572	1,000
4250	OTHER CONTRACTUAL SERVICE	474,740	613,917	533,022	613,917
4430	MISC SUPPLIES	1,417	4,696	3,789	4,792
4460	OTHER MATERIALS & SUPPLIE	7,114	44,303	30,233	44,104
4500	EDUCATION & TRAINING	1,741	7,000	2,264	7,000
4720	CONFERENCE EXPENSES	-	4,100	2,740	4,100
4815	REPAIR AND MAINT OF EQUIP	14,770	100,000	70,000	200,000
8050	EQUIPMENT UNDER \$5,000	323	6,200	5,995	280
	TOTAL MATERIAL & SUPPLIES	500,183	781,216	648,615	875,193
1270	GENERAL PLANT & EQUIPMENT	-	25,000	24,586	-
	TOTAL EQUIPMENT	-	25,000	24,586	-
	TOTAL OPERATING EXPENDITURES	629,020	943,120	807,246	1,016,897

Office'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.

Materials, Supplies and Services

4250 PSA campaign media ; media services

4260 Advertisements for special events, etc.

4265 Printing of annual report, brochures, etc.

4460 Community meetings (facility/equipment rental); BWS Christmas (Honolulu City Lights/Kapolei); annual meeting

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5130 - COMMUNICATIONS OFFICE

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	417,475	518,908	476,453	516,048
4120	OVERTIME	32,366	50,000	30,375	55,000
4130	MISC PAYROLL COSTS	240	5,000	1,827	5,250
	TOTAL PERSONNEL SERVICES	450,081	573,908	508,655	576,298
	TOTAL POSITIONS	9	11	10	10
4160	MEALS, MILEAGE, UNIFORM A	694	1,000	853	1,000
4250	OTHER CONTRACTUAL SERVICE	127,690	144,050	110,996	146,700
4255	OTHER SERVICES	-	-	-	1,160
4260	ADV & PUBL OF NOTICES	-	12,300	12,000	12,300
4265	PRINTING	24,030	46,050	35,893	46,050
4430	MISC SUPPLIES	1,602	3,765	3,021	3,100
4440	MOTOR VEHICLE PARTS & ACC	-	-	-	-
4460	OTHER MATERIALS & SUPPLIE	10,243	30,345	29,280	41,035
4470	PARTS AND ACCESSORIES	-	-	-	-
4480	POSTAGE	239	2,500	2,217	2,500
4500	EDUCATION & TRAINING	155	500	365	500
4720	CONFERENCE EXPENSES	763	-	-	160
4815	REPAIR AND MAINT OF EQUIP	811	700	400	750
4910	MISC FEES & REGISTRATIONS	201	-	315	415
8050	EQUIPMENT UNDER \$5,000	209	150	1,004	2,500
					-
	TOTAL MATERIAL & SUPPLIES	166,637	241,360	196,344	258,170
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	616,718	815,268	704,999	834,468

Section's Activity

The program objective of the procurement section is to assist the various BWS divisions 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.

Equipment

8050	2	Chairs, ergonomic (N)	\$700
8050	2	Cabinets, file (N)	\$1,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5140 - PROCUREMENT

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY '11-'12 ACTUALS	FY '12-'13 BUDGET	FY '12-'13 ACT/FCST	FY '13-'14 BUDGET
4110	REGULAR SALARIES	72,599	177,612	146,404	218,856
4120	OVERTIME	3,557	1,000	2,306	25,000
4130	MISC PAYROLL COSTS	-	2,400	400	-
	TOTAL PERSONNEL SERVICES	76,156	181,012	149,110	243,856
	TOTAL POSITIONS	4	4	3	5
1110	MATERIALS & SUPPLIES	-	-	-	-
1120	METERS	-	-	-	-
1125	AMR MATERIALS & SUPPLIES	-	-	-	-
4160	MEALS, MILEAGE, UNIFORM A	336	200	193	200
4260	ADV & PUBL OF NOTICES	-	2,000	2,000	2,000
4430	MISC SUPPLIES	-	2,000	1,507	2,000
4460	OTHER MATERIALS & SUPPLIE	-	-	12	-
4480	POSTAGE	-	400	300	400
4500	EDUCATION & TRAINING	-	4,000	3,000	-
4720	CONFERENCE EXPENSES	-	-	-	4,000
8050	EQUIPMENT UNDER \$5,000	-	-	-	1,700
	TOTAL MATERIAL & SUPPLIES	336	8,600	7,012	10,300
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	76,492	189,612	156,122	254,156

Program'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.

Materials, Supplies and Services

4815 Chiller, chemical, and miscellaneous maintenance costs.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5201 - OCEAN COOLING

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	220,008	220,000	220,005	220,000
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	220,008	220,000	220,005	220,000
	TOTAL POSITIONS	1	1	1	1
4250	OTHER CONTRACTUAL SERVICE	735	-	624	-
4430	MISC SUPPLIES	-	500	405	500
4815	REPAIR AND MAINT OF EQUIP	109,112	428,500	314,714	428,500
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	109,847	429,000	315,743	429,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	329,855	649,000	535,748	649,000

Office's Activity

The Business Development Office researches and develops business growth opportunities. The office oversees environmental regulatory compliance; drinking water testing and laboratory operations. Business Development also manages special water quality studies and stays abreast of emerging water quality research and regulatory issues.

Materials, Supplies and Services

4250 Water quality monitoring studies

**BOARD OF WATER SUPPLY
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5250 - BUSINESS DEVELOPMENT

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	142,265	160,824	144,357	166,824
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	1,200	400	1,200
	TOTAL PERSONNEL SERVICES	142,265	162,024	144,757	168,024
	TOTAL POSITIONS	2	2	2	2
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	-
4250	OTHER CONTRACTUAL SERVICE	1,864	60,960	44,772	60,500
4430	MISC SUPPLIES	-	-	-	-
4460	OTHER MATERIALS & SUPPLIE	244	1,200	1,037	200
4500	EDUCATION & TRAINING	299	600	516	550
4720	CONFERENCE EXPENSES	1,097	-	190	-
4815	REPAIR AND MAINT OF EQUIP	-	1,000	500	-
4910	MISC FEES & REGISTRATIONS	69	1,500	968	1,500
8050	EQUIPMENT UNDER \$5,000	812	-	-	-
	TOTAL MATERIAL & SUPPLIES	4,385	65,260	47,983	62,750
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	146,650	227,284	192,740	230,774

Division's Activity

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

Details of expenditure are shown in each section.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

CUSTOMER CARE - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	3,793,313	4,742,796	4,100,800	4,676,376
4120	OVERTIME	240,521	300,400	325,884	437,400
4130	MISC PAYROLL COSTS	8,691	31,900	10,800	117,900
	TOTAL PERSONNEL SERVICES	4,042,525	5,075,096	4,437,484	5,231,676
	NO. OF POSITIONS	81	106	89	104
	TOTAL POSITIONS	81	106	89	104
1120	METERS	466,643	778,353	444,451	800,000
1125	AMR MATERIALS & SUPPLIES	1,068,794	972,750	3,089,820	1,000,000
4160	MEALS, MILEAGE, UNIFORM A	19,374	24,500	20,876	24,200
4220	COLLECTION FEES	53,147	228,000	170,846	870,000
4250	OTHER CONTRACTUAL SERVICE	34,173	180,840	5,056,762	182,480
4267	PRINTED FORMS	-	1,700	1,200	1,700
4430	MISC SUPPLIES	10,526	5,850	8,199	5,850
4460	OTHER MATERIALS & SUPPLIE	41,878	50,400	34,325	50,400
4470	PARTS AND ACCESSORIES	574	2,000	2,076	2,000
4500	EDUCATION & TRAINING	705	21,285	8,385	21,285
4720	CONFERENCE EXPENSES	2,301	-	403	-
4815	REPAIR AND MAINT OF EQUIP	20,439	60,400	46,794	60,400
4910	MISC FEES & REGISTRATIONS	1,316	2,700	1,955	2,700
8050	EQUIPMENT UNDER \$5,000	22,348	39,375	37,190	39,375
	TOTAL MATERIAL & SUPPLIES	1,742,218	2,368,153	8,923,282	3,060,390
1270	GENERAL PLANT & EQUIPMENT	6,387	144,000	143,100	108,000
	TOTAL EQUIPMENT	6,387	144,000	143,100	108,000
	TOTAL OPERATING EXPENDITURES	5,791,130	7,587,249	13,503,866	8,400,066

Section's Activity

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

Materials, Supplies and Services

4250 Cell phone charges for the Customer Care division..

4500 consolidated training and travel for the Customer Care Division
Various AWWA & HWWA workshops and conferences; ACE Annual Conference;etc.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**CUSTOMER CARE
5300 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	215,419	258,624	273,024	232,554
4120	OVERTIME	3,296	-	-	-
4130	MISC PAYROLL COSTS	-	2,000.00	500	600
	TOTAL PERSONNEL SERVICES	218,715	260,624	273,524	233,154
	TOTAL POSITIONS	3	3	2	3
4160	MEALS, MILEAGE, UNIFORM A	24	-	-	-
4250	OTHER CONTRACTUAL SERVICE	1,077	30,000	10,595	30,000
4430	MISC SUPPLIES	5,175	4,000	3,987	4,000
4460	OTHER MATERIALS & SUPPLIE	23,585	18,000	16,712	18,000
4500	EDUCATION & TRAINING	705	21,285	8,385	21,285
4720	CONFERENCE EXPENSES	2,301	-	403	-
4815	REPAIR AND MAINT OF EQUIP	364	1,200	1,200	1,200
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	33,231	74,485	41,282	74,485
1270	GENERAL PLANT & EQUIPMENT	6,387	-	-	-
	TOTAL EQUIPMENT	6,387	-	-	-
	TOTAL OPERATING EXPENDITURES	258,333	335,109	314,806	307,639

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.

Materials, Supplies and Services

4220 Service fees for automatic bill payment, credit card processing and lockbox fees.

4250 Armored car services.

4815 Remittance processing machine, cash register, mail extractor maintenance, etc.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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CUSTOMER CARE

Customer Service Branch

5310 - Collection and Credit Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	606,785	714,288	665,614	711,852
4120	OVERTIME	9,095	9,400	17,366	6,000
4130	MISC PAYROLL COSTS	1,228	2,400	800	2,400
	TOTAL PERSONNEL SERVICES	617,108	726,088	683,780	720,252
					-
	TOTAL POSITIONS	15	18	17	17
4160	MEALS, MILEAGE, UNIFORM A	1,082	2,100	1,769	2,100
4220	COLLECTION FEES	53,147	228,000	170,846	870,000
4250	OTHER CONTRACTUAL SERVICE	4,425	2,760	5,206	4,400
4267	PRINTED FORMS	-	1,500	1,000	1,500
4430	MISC SUPPLIES	3,792	500	1,995	500
4460	OTHER MATERIALS & SUPPLIE	3,475	1,200	926	1,200
4815	REPAIR AND MAINT OF EQUIP	9,697	20,000	19,758	20,000
8050	EQUIPMENT UNDER \$5,000	-	1,000	400	1,000
	TOTAL MATERIAL & SUPPLIES	75,618	257,060	201,900	900,700
1270	GENERAL PLANT & EQUIPMENT	-	36,000	35,100	-
	TOTAL EQUIPMENT	-	36,000	35,100	-
	TOTAL OPERATING EXPENDITURES	692,726	1,019,148	920,780	1,620,952

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.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**CUSTOMER CARE
Engineering Services Branch
5320 - Service Engineering Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	466,997	476,712	409,839	432,288
4120	OVERTIME	-	1,800	1,487	1,800
4130	MISC PAYROLL COSTS	618	9,500	3,500	9,500
	TOTAL PERSONNEL SERVICES	467,615	488,012	414,827	443,588
	TOTAL POSITIONS	8	8	7	7
4160	MEALS, MILEAGE, UNIFORM A	69	400	297	400
4250	OTHER CONTRACTUAL SERVICE	347	-	220	-
4430	MISC SUPPLIES	93	-	85	-
4460	OTHER MATERIALS & SUPPLIE	933	1,200	1,006	1,200
4815	REPAIR AND MAINT OF EQUIP	-	1,000	800	1,000
8050	EQUIPMENT UNDER \$5,000	-	400	300	400
	TOTAL MATERIAL & SUPPLIES	1,442	3,000	2,708	3,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	469,057	491,012	417,535	446,588

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.

Materials, Supplies and Services

4460 Rebuilding of hydrant rigs - temporary meters; calibration, repair, and shipping of BFPA test gages; and calibration of digital test gage and pressure recorders.

Equipment

8050	Var.	Electric tools; shop equipment (R)	\$1,000

**BOARD OF WATER SUPPLY
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CUSTOMER CARE

Engineering Services Branch

5325 - Cross-Connection Control and Backflow Prevention Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	276,837	295,548	242,104	306,348
4120	OVERTIME	3,554	2,400	2,058	2,400
4130	MISC PAYROLL COSTS	4,914	1,200	400	1,200
	TOTAL PERSONNEL SERVICES	285,305	299,148	244,562	309,948
	TOTAL POSITIONS	7	7	6	7
4160	MEALS, MILEAGE, UNIFORM A	206	1,200	441	100
4250	OTHER CONTRACTUAL SERVICE	1,735	-	1,095	-
4430	MISC SUPPLIES	487	450	414	450
4460	OTHER MATERIALS & SUPPLIE	5,226	7,000	3,982	7,000
4815	REPAIR AND MAINT OF EQUIP	7,138	15,000	14,786	15,000
4910	MISC FEES & REGISTRATIONS	1,316	1,200	1,555	1,200
8050	EQUIPMENT UNDER \$5,000	12	1,000	981	1,000
	TOTAL MATERIAL & SUPPLIES	16,120	25,850	23,254	24,750
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	301,425	324,998	267,816	334,698

Section's Activity

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

Equipment

8050	9	Wireless headsets (R)	\$2,475

**BOARD OF WATER SUPPLY
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CUSTOMER CARE

Customer Service Branch

5330 - Customer Service and Records Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	455,610	497,064	565,117	588,054
4120	OVERTIME	12,609	19,200	20,001	19,200
4130	MISC PAYROLL COSTS	-	7,200	2,400	21,800
	TOTAL PERSONNEL SERVICES	468,219	523,464	587,518	629,054
	TOTAL POSITIONS	12	14	14	19
4160	MEALS, MILEAGE, UNIFORM A	146	1,700	684	1,700
4267	PRINTED FORMS	-	200	200	200
4430	MISC SUPPLIES	-	300	277	300
4815	REPAIR AND MAINT OF EQUIP	-	200	200	200
8050	EQUIPMENT UNDER \$5,000	22,336	2,475	2,199	2,475
	TOTAL MATERIAL & SUPPLIES	22,482	4,875	3,560	4,875
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	490,701	528,339	591,078	633,929

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.

Materials, Supplies and Services

4250 Special duty police for traffic control

4460 Locator balls, batteries, pliers, sound bars, wrenches, etc.

Equipment

8050	Var.	Underground locators; leak correlators (R)	\$28,000

**BOARD OF WATER SUPPLY
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**CUSTOMER CARE
Customer Service Branch
5350 - Investigative Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,408,754	1,201,500	1,284,713	1,249,200
4120	OVERTIME	211,967	264,000	279,067	348,000
4130	MISC PAYROLL COSTS	72	6,000	2,000	78,800
	TOTAL PERSONNEL SERVICES	1,620,793	1,471,500	1,565,780	1,676,000
	TOTAL POSITIONS	28	24	27	24
4160	MEALS, MILEAGE, UNIFORM A	17,271	17,200	16,593	18,000
4250	OTHER CONTRACTUAL SERVICE	19,815	16,000	16,142	16,000
4430	MISC SUPPLIES	979	400	1,241	400
4460	OTHER MATERIALS & SUPPLIE	4,955	5,000	2,628	5,000
4470	PARTS AND ACCESSORIES	574	-	476	-
4815	REPAIR AND MAINT OF EQUIP	3,240	2,000	2,050	2,000
4910	MISC FEES & REGISTRATIONS	-	600	-	600
8050	EQUIPMENT UNDER \$5,000	-	28,000	26,810	28,000
	TOTAL MATERIAL & SUPPLIES	46,834	69,200	65,940	70,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,667,627	1,540,700	1,631,720	1,746,000

Section's Activity

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

Materials, Supplies and Services

1120 Meter inventory.

1125 Meter transceiver units, encoded register, and miscellaneous AMR inventory.

4460 Temporary hydrant meter components and other miscellaneous materials and supplies.

4815 Bench tester maintenance, and meter master battery replacement/repairs.

Equipment

8050	---	Electric and pneumatic tools (R)	\$500	
8050	2	Water usage recorders (R)	\$6,000	
1270	4	Handheld meter reading devices (R)	\$36,000	
1270	8	Handheld meter reading devices (N)	\$72,000	

**BOARD OF WATER SUPPLY
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**CUSTOMER CARE
Customer Service Branch
5385 - Meter Maintenance Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	362,911	1,299,060	660,387	1,156,080
4120	OVERTIME	-	3,600	5,904	60,000
4130	MISC PAYROLL COSTS	1,859	3,600	1,200	3,600
	TOTAL PERSONNEL SERVICES	364,770	1,306,260	667,491	1,219,680
	TOTAL POSITIONS	8	32	16	27
1120	METERS	466,643	778,353	444,451	800,000
1125	AMR MATERIALS & SUPPLIES	1,068,794	972,750	3,089,820	1,000,000
4160	MEALS, MILEAGE, UNIFORM A	576	1,900	1,092	1,900
4250	OTHER CONTRACTUAL SERVICE	6,774	132,080	5,023,504	132,080
4430	MISC SUPPLIES	-	200	200	200
4460	OTHER MATERIALS & SUPPLIE	3,704	18,000	9,071	18,000
4470	PARTS AND ACCESSORIES	-	2,000	1,600	2,000
4815	REPAIR AND MAINT OF EQUIP	-	21,000	8,000	21,000
4910	MISC FEES & REGISTRATIONS	-	900	400	900
8050	EQUIPMENT UNDER \$5,000	-	6,500	6,500	6,500
	TOTAL MATERIAL & SUPPLIES	1,546,491	1,933,683	8,584,638	1,982,580
1270	GENERAL PLANT & EQUIPMENT	-	108,000	108,000	108,000
	TOTAL EQUIPMENT	-	108,000	108,000	108,000
	TOTAL OPERATING EXPENDITURES	1,911,261	3,347,943	9,360,129	3,310,260

Division's Activity

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

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
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WATER RESOURCES - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,510,876	1,975,062	1,657,903	1,987,418
4120	OVERTIME	29,366	50,668	35,594	61,255
4130	MISC PAYROLL COSTS	600	40,620	14,540	129,754
	TOTAL PERSONNEL SERVICES	1,540,842	2,066,350	1,708,037	2,178,427
	TOTAL POSITIONS	23	32	28	32
4160	MEALS, MILEAGE, UNIFORM A	1,074	2,920	2,431	3,044
4250	OTHER CONTRACTUAL SERVICE	289,250	524,740	395,707	509,008
4255	OTHER SERVICES	-	78,000	33,575	87,900
4265	PRINTING	-	100	-	500
4270	PROFESSIONAL SERVICES	125,000	150,000	140,000	150,000
4430	MISC SUPPLIES	5,533	9,000	7,302	12,000
4460	OTHER MATERIALS & SUPPLIE	14,158	11,416	9,992	20,554
4500	EDUCATION & TRAINING	10,101	9,600	11,105	18,410
4680	TELEPHONE	-	9,760	3,248	10,260
4720	CONFERENCE EXPENSES	674	9,400	8,414	14,210
4810	REPAIR AND MAINT OF RECYC	505,646	614,600	577,299	1,549,000
4815	REPAIR AND MAINT OF EQUIP	7,057	32,090	29,212	36,410
4910	MISC FEES & REGISTRATIONS	-	400	400	400
4915	MISCELLANEOUS FINANCIAL E	28	-	-	-
4920	NON-POTABLE WATER TREATME	5,026,577	6,246,200	5,133,347	5,231,100
4940	USGS COOPERATIVE INVESTIG	205,924	172,500	124,980	157,500
8050	EQUIPMENT UNDER \$5,000	8,443	30,500	30,175	17,640
	TOTAL MATERIAL & SUPPLIES	6,199,466	7,901,226	6,507,187	7,817,936
1270	GENERAL PLANT & EQUIPMENT	23,000	89,800	59,800	120,300
	TOTAL EQUIPMENT	23,000	89,800	59,800	120,300
	TOTAL OPERATING EXPENDITURES	7,763,308	10,057,376	8,275,024	10,116,663

Section's Activity

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

Materials, Supplies and Services

4250 Provisions for the Oahu Water Management Plan: Ewa WMP and Central Oahu WMP

4430 Office supplies; materials for charts, graphs and visual aids.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER RESOURCES
5450 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	347,420	318,480	338,889	328,080
4120	OVERTIME	904	-	484	-
4130	MISC PAYROLL COSTS	-	7,200	3,000	32,856
	TOTAL PERSONNEL SERVICES	348,324	325,680	342,373	360,936
	TOTAL POSITIONS	5	5	6	5
4160	MEALS, MILEAGE, UNIFORM A	146	-	8	-
4250	OTHER CONTRACTUAL SERVICE	141,744	325,000	214,382	312,000
4430	MISC SUPPLIES	5,426	9,000	7,201	9,000
4460	OTHER MATERIALS & SUPPLIE	90	-	87	-
4500	EDUCATION & TRAINING	-	-	20	-
4650	SECURITY CAMERA CABLE LIN	-	-	-	-
4680	TELEPHONE	-	660	220	660
4720	CONFERENCE EXPENSES	-	1,000	1,224	1,700
4815	REPAIR AND MAINT OF EQUIP	-	500	258	500
8050	EQUIPMENT UNDER \$5,000	-	-	-	500
	TOTAL MATERIAL & SUPPLIES	147,406	336,160	223,400	324,360
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	495,730	661,840	565,773	685,296

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.

Materials, Supplies and Services

4250 Mapping services, hydraulic water modeling support, flow meter maintenance, etc.

4460 Supplies for field testing, tools for installing portable flowmeters and pressure recorders, etc.

Equipment

8050	3	portable pressure recorders (R)	\$4,500	
8050	2	portable pressure recorders (R)	\$4,940	

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER RESOURCES
5470 - Water System Planning**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	155,238	331,968	178,949	244,318
4120	OVERTIME	5,285	21,348	11,999	21,348
4130	MISC PAYROLL COSTS	125	16,020	5,340	14,808
	TOTAL PERSONNEL SERVICES	160,648	369,336	196,288	280,474
	TOTAL POSITIONS	2	5	4	5
4160	MEALS, MILEAGE, UNIFORM A	272	-	310	-
4250	OTHER CONTRACTUAL SERVICE	-	-	-	1,200
4460	OTHER MATERIALS & SUPPLIE	206	996	362	1,500
4500	EDUCATION & TRAINING	195	-	80	6,810
4720	CONFERENCE EXPENSES	449	1,000	690	3,790
8050	EQUIPMENT UNDER \$5,000	3,884	6,600	6,475	9,440
	TOTAL MATERIAL & SUPPLIES	5,006	8,596	7,917	22,740
1270	GENERAL PLANT & EQUIPMENT	-	19,800	19,800	-
	TOTAL EQUIPMENT	-	19,800	19,800	-
	TOTAL OPERATING EXPENDITURES	165,654	397,732	224,005	303,214

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.

Materials, Supplies and Services

4250 Watershed partnership support; NRC licenses.

4680 Cell phone services for remote data logging stations.

4940 Continuation of ongoing study of stream flows, rainfall measurements, groundwater monitoring with the United States Geological Survey.

Equipment

1270	1	Conductivity logging tool (R)	\$40,500		8050	---	Hand-held field instruments- various (N)	\$1,500
1270	1	Spinner logging tool (N)	\$6,600					
1270	---	Modems (R)	\$8,200					
8050	1	3,000 watt inverter unit (N)	\$1,500					
8050	---	Replacement rain gauges (R)	\$4,000					

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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WATER RESOURCES

5480 - Hydrology/Geology

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	371,736	429,720	392,656	448,020
4120	OVERTIME	4,254	6,396	5,042	5,069
4130	MISC PAYROLL COSTS	-	1,740	580	3,061
	TOTAL PERSONNEL SERVICES	375,990	437,856	398,278	456,150
	NO. OF POSITIONS	6	7	6	7
	TOTAL POSITIONS	6	7	6	7
4160	MEALS, MILEAGE, UNIFORM A	346	300	469	300
4250	OTHER CONTRACTUAL SERVICE	15,842	82,500	96,656	70,000
4255	OTHER SERVICES	-	58,000	13,575	77,900
4265	PRINTING	-	100	-	300
4460	OTHER MATERIALS & SUPPLIE	6,827	1,200	1,829	13,000
4500	EDUCATION & TRAINING	7,355	8,600	8,440	7,800
4680	TELEPHONE	-	9,100	3,028	9,600
4720	CONFERENCE EXPENSES	-	250	190	400
4815	REPAIR AND MAINT OF EQUIP	7,057	5,000	8,268	6,000
4910	MISC FEES & REGISTRATIONS	-	400	400	400
4940	USGS COOPERATIVE INVESTIG	205,924	172,500	124,980	157,500
8050	EQUIPMENT UNDER \$5,000	4,559	4,600	4,600	7,000
	TOTAL MATERIAL & SUPPLIES	247,910	342,550	262,435	350,200
1270	GENERAL PLANT & EQUIPMENT	-	-	-	55,300
	TOTAL EQUIPMENT	-	-	-	55,300
	TOTAL OPERATING EXPENDITURES	623,900	780,406	660,713	861,650

Section's Activity

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

Materials, Supplies and Services

4250 Long range planning graphics.

4460 Graphic production materials.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER RESOURCES
5495 - Long Range Planning**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	335,694	412,284	325,193	382,274
4120	OVERTIME	10,562	12,420	9,402	13,621
4130	MISC PAYROLL COSTS	-	9,996	3,332	20,775
	TOTAL PERSONNEL SERVICES	346,256	434,700	337,926	416,670
	TOTAL POSITIONS	5	6	5	6
4160	MEALS, MILEAGE, UNIFORM A	80	-	80	120
4250	OTHER CONTRACTUAL SERVICE	-	2,040	1,010	1,200
4460	OTHER MATERIALS & SUPPLIE	884	2,520	1,225	1,950
4500	EDUCATION & TRAINING	114	-	120	1,200
4720	CONFERENCE EXPENSES	225	750	750	2,920
4815	REPAIR AND MAINT OF EQUIP	-	400	400	-
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	1,303	5,710	3,585	7,390
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	347,559	440,410	341,511	424,060

Program's Activity

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

Materials, Supplies and Services

4270 Water Conservation Program Planning Study \$150,000

Equipment

1270	3	Metrologgers (R)	\$60,000	
1270	1	Sounding machine (N)	\$5,000	

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER RESOURCES
5150 - Conservation**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	125,926	301,266	262,145	329,382
4120	OVERTIME	8,361	10,204	8,667	9,817
4130	MISC PAYROLL COSTS	475	5,664	2,288	42,498
	TOTAL PERSONNEL SERVICES	134,762	317,134	273,100	381,697
	TOTAL POSITIONS	3	6	5	5
4160	MEALS, MILEAGE, UNIFORM A	230	2,000	1,384	2,004
4250	OTHER CONTRACTUAL SERVICE	23,617	6,000	6,000	4,008
4255	OTHER SERVICES	-	20,000	20,000	10,000
4270	PROFESSIONAL SERVICES	125,000	150,000	140,000	150,000
4275	MEDICAL & SURGICAL SERVIC	-	-	-	-
4290	WATER CONSERVATION	-	-	-	-
4430	MISC SUPPLIES	-	-	101	3,000
4460	OTHER MATERIALS & SUPPLIE	6,151	5,000	4,969	2,004
4480	POSTAGE	-	-	-	-
4500	EDUCATION & TRAINING	2,437	1,000	2,445	2,000
4720	CONFERENCE EXPENSES	-	4,100	4,060	4,100
4815	REPAIR AND MAINT OF EQUIP	-	26,190	20,286	29,910
4915	MISCELLANEOUS FINANCIAL E	28	-	-	-
8050	EQUIPMENT UNDER \$5,000	-	18,000	18,000	-
	TOTAL MATERIAL & SUPPLIES	157,463	232,290	217,245	207,026
1270	GENERAL PLANT & EQUIPMENT	23,000	70,000	40,000	65,000
				-	
	TOTAL EQUIPMENT	23,000	70,000	40,000	65,000
	TOTAL OPERATING EXPENDITURES	315,225	619,424	530,345	653,723

Program'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.

Materials, Supplies and Services

4250 Recycled water sampling and testing.

4810 Services Agreement – maintenance & repair component, remote site repair & maintenance service fee, RO skid membrane replacement, high frequency ballasts replacement, and CMF membrane valves & actuators.

4920 Service fee components and land license fees.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER RESOURCES
5255 - Recycled Water**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	-	-	-	-
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	-	-	-	-
	TOTAL POSITIONS	-	-	-	-
4160	MEALS, MILEAGE, UNIFORM A	-	520	80	520
4250	OTHER CONTRACTUAL SERVICE	108,047	109,200	77,659	120,600
4265	PRINTING	-	-	-	200
4460	OTHER MATERIALS & SUPPLIE	-	1,300	1,200	1,700
4720	CONFERENCE EXPENSES	-	2,300	1,500	650
4810	REPAIR AND MAINT OF RECYC	505,646	614,600	577,299	1,549,000
4920	NON-POTABLE WATER TREATME	5,026,577	6,246,200	5,133,347	5,231,100
8050	EQUIPMENT UNDER \$5,000	-	1,000	800	400
	TOTAL MATERIAL & SUPPLIES	5,640,270	6,975,120	5,791,885	6,904,170
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	5,640,270	6,975,120	5,791,885	6,904,170

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.

Equipment

8050	1	Flat bed scanner (R)	\$300

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER RESOURCES
5370 - Project Review**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	174,862	181,344.00	160,071	255,344
4120	OVERTIME	-	300.00	-	11,400
4130	MISC PAYROLL COSTS	-	-	-	15,756
	TOTAL PERSONNEL SERVICES	174,862	181,644	160,071	282,500
	TOTAL POSITIONS	2	3	2	4
4160	MEALS, MILEAGE, UNIFORM A	-	100	100	100
4430	MISC SUPPLIES	107	-	-	-
4460	OTHER MATERIALS & SUPPLIE	-	400	320	400
4500	EDUCATION & TRAINING	-	-	-	600
4720	CONFERENCE EXPENSES	-	-	-	650
8050	EQUIPMENT UNDER \$5,000	-	300	300	300
	TOTAL MATERIAL & SUPPLIES	107	800	720	2,050
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	174,969	182,444	160,791	284,550

Division's Activity

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

Materials, Supplies and Services

4210 land surveying costs; misc. appraisal costs

4250 Beretania Property Development Project – conceptual design fees

**BOARD OF WATER SUPPLY
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5460 - LAND

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	122,601	269,910	231,542	250,416
4120	OVERTIME	2,802	2,400	2,399	7,800
4130	MISC PAYROLL COSTS	-	-	-	8,400
	TOTAL PERSONNEL SERVICES	125,403	272,310	233,941	266,616
	TOTAL POSITIONS	3	5	4	5
4160	MEALS, MILEAGE, UNIFORM A	10	-	10	-
4210	APPRAISALS, TITLE SEARCHES	7,359	475,000	390,915	420,500
4250	OTHER CONTRACTUAL SERVICE	588	-	664	301,100
4430	MISC SUPPLIES	220	600	426	300
4460	OTHER MATERIALS & SUPPLIES	1,385	-	303	-
4480	POSTAGE	45	100	95	100
4680	TELEPHONE	-	480	400	-
4720	CONFERENCE EXPENSES	-	900	830	-
4815	REPAIR AND MAINT OF EQUIP	-	-	134	-
4910	MISC FEES & REGISTRATIONS	-	-	14,499	14,500
4915	MISCELLANEOUS FINANCIAL E	-	3,300	5,615	-
8050	EQUIPMENT UNDER \$5,000	-	200	184	-
	TOTAL MATERIAL & SUPPLIES	9,607	480,580	414,075	736,500
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	135,010	752,890	648,015	1,003,116

Division's Activity

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

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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FIELD OPERATIONS- TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	9,024,020	11,498,471	9,392,366	11,557,140
4120	OVERTIME	1,160,857	1,639,000	1,340,579	1,597,000
4130	MISC PAYROLL COSTS	382,223	306,000	410,996	696,600
	TOTAL PERSONNEL SERVICES	10,567,100	13,443,471	11,143,942	13,850,740
	TOTAL POSITIONS	191	227	195	227
1110	MATERIALS & SUPPLIES	1,214,373	1,440,000	1,436,010	1,440,000
4160	MEALS, MILEAGE, UNIFORM A	90,166	95,920	99,027	106,200
4230	EMERGENCY & CONTR ROAD RE	2,164,972	3,500,000	2,597,797	3,500,000
4240	MANHOLE RAISING	-	-	-	-
4250	OTHER CONTRACTUAL SERVICE	442,600	533,600	305,071	416,700
4267	PRINTED FORMS	2,118	600	350	600
4280	REFUSE COLLECTION & DISPO	387,788	397,000	280,673	397,000
4420	HIGHWAY MATERIALS	16,644	60,000	29,641	60,000
4430	MISC SUPPLIES	6,743	12,000	8,074	12,000
4460	OTHER MATERIALS & SUPPLIE	235,934	283,200	201,010	289,200
4470	PARTS AND ACCESSORIES	1,543	3,000	1,190	3,000
4500	EDUCATION & TRAINING	7,515	12,000	10,310	12,000
4720	CONFERENCE EXPENSES	5,193	24,000	10,500	24,000
4805	REPAIR AND MAINT OF STRUC	22,993	60,000	52,460	60,000
4815	REPAIR AND MAINT OF EQUIP	22,520	21,600	16,309	26,400
4910	MISC FEES & REGISTRATIONS	400	-	731	-
4920	NON-POTABLE WATER TREATME	-	-	-	24,000
4923	STORE MATERIALS & EXP DIS	471,670	378,000	305,499	378,000
8050	EQUIPMENT UNDER \$5,000	63,321	83,700	72,224	70,300
	TOTAL MATERIAL & SUPPLIES	5,156,493	6,904,620	5,426,877	6,819,400
1270	GENERAL PLANT & EQUIPMENT	-	20,500	20,284	-
	TOTAL EQUIPMENT	-	20,500	20,284	-
	TOTAL OPERATING EXPENDITURES	15,723,593	20,368,591	16,591,102	20,670,140

Section's Activity

Administers the affairs of the Field Operations Division.

Materials, Supplies and Services

4500 DSO/CEU training, \$12,000

4720 AWWA Annual Conference expenses.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**FIELD OPERATIONS
5500 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	437,145	352,494	320,800	460,032
4120	OVERTIME	11,573	1,200	2,203	1,200
4130	MISC PAYROLL COSTS	275	18,000	6,000	56,000
	TOTAL PERSONNEL SERVICES	448,993	371,694	329,003	517,232
	TOTAL POSITIONS	5	6	6	8
4160	MEALS, MILEAGE, UNIFORM A	760	-	64	-
4250	OTHER CONTRACTUAL SERVICE	44,228	60,000	44,923	60,000
4430	MISC SUPPLIES	-	-	324	-
4460	OTHER MATERIALS & SUPPLIE	7	-	537	-
4500	EDUCATION & TRAINING	6,952	12,000	10,310	12,000
4720	CONFERENCE EXPENSES	5,193	24,000	10,500	24,000
4910	MISC FEES & REGISTRATIONS	400	-	731	-
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	57,540	96,000	67,389	96,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	506,533	467,694	396,392	613,232

Section's Activity

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

Materials, Supplies and Services

4230 contracted road repairs due to main breaks

**BOARD OF WATER SUPPLY
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**FIELD OPERATIONS
5510 - Distribution Branch Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	98,940	171,132	133,342	177,132
4120	OVERTIME	663	1,200	1,710	1,200
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	99,603	172,332	135,052	178,332
	Personnel Services as a % to Revenue	0.00%	0.00%	0.00%	0.00%
	NO. OF POSITIONS	3	4	3	4
	TOTAL POSITIONS	3	4	3	4
4160	MEALS, MILEAGE, UNIFORM A	24	-	99	-
4230	EMERGENCY & CONTR ROAD RE	2,164,972	3,500,000	2,597,797	3,500,000
4250	OTHER CONTRACTUAL SERVICE	1,492	-	1,108	-
4430	MISC SUPPLIES	5,737	10,000	5,520	10,000
4460	OTHER MATERIALS & SUPPLIE	201	7,200	2,641	7,200
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	2,172,426	3,517,200	2,607,165	3,517,200
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,272,029	3,689,532	2,742,216	3,695,532

Section's Activity

The Maintenance Section installs, operates and maintains valves, hydrants and appurtenances; disinfects mains; conducts welding, tapping and pipe cutting operations; operates and maintains the metropolitan gravity system, corporation yards, grounds and landscaped areas; conducts inspections of the distribution system and facilities.

Materials, Supplies and Services

4250. tree trimming

4280 Contract for disposal of refuse and landfill fees.

Equipment

8050	5	Grass trimmers (R)	\$3,750		8050	5	Chain saws (R)	\$3,750
8050	2	Hedge trimmers (R)	\$1,300		8050	2	Power pole saws (R)	\$1,700
8050	1	Trench compactor (R)	\$4,400		8050	1	Edger, straight shaft (N)	\$500
8050	1	Target saw (R)	\$1,400					
8050	1	Generator, 2000w (R)	\$1,200					

**BOARD OF WATER SUPPLY
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**FIELD OPERATIONS
Distribution Branch
Maintenance Section**

5520 - Administration Unit ; 5521 - Hydrants & Valves Unit ; & 5522 - Grounds & Landscaping Unit

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,822,958	2,477,808	1,889,298	2,518,008
4120	OVERTIME	129,022	266,000	157,275	236,000
4130	MISC PAYROLL COSTS	79,942	26,400	109,777	93,600
	TOTAL PERSONNEL SERVICES	2,031,922	2,770,208	2,156,350	2,847,608
	TOTAL POSITIONS	42	52	43	-
4160	MEALS, MILEAGE, UNIFORM A	12,059	16,800	14,697	15,600
4250	OTHER CONTRACTUAL SERVICE	172,799	280,000	159,798	200,000
4280	REFUSE COLLECTION & DISPO	387,264	397,000	280,673	397,000
4460	OTHER MATERIALS & SUPPLIE	79,249	84,000	54,250	90,000
4470	PARTS AND ACCESSORIES	1,543	3,000	1,190	3,000
4500	EDUCATION & TRAINING	355	-	-	-
4805	REPAIR AND MAINT OF STRUC	-	-	1,094	-
4815	REPAIR AND MAINT OF EQUIP	10,217	6,000	4,556	6,000
8050	EQUIPMENT UNDER \$5,000	22,356	22,100	20,728	19,300
	TOTAL MATERIAL & SUPPLIES	685,842	808,900	536,986	730,900
1270	GENERAL PLANT & EQUIPMENT	-	11,000	10,784	-
	TOTAL EQUIPMENT	-	11,000	10,784	-
	TOTAL OPERATING EXPENDITURES	2,717,764	3,590,108	2,704,120	3,578,508

Section's Activity

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

Materials, Supplies and Services

4250 Heavy and semi-heavy construction equipment rentals; off-duty police for traffic control; etc.

4460 Small tools, parts and accessories for sump pumps, pavement breakers and heavy equipment; safety equipment, cable, rope, etc.

4815 Repairs to welding, soldering, pneumatic and gas-powered equipment, etc.

Equipment

8050	4	Reciprocating saws (R	\$1,000	
8050	1	B101 tapping machine (R)	\$4,000	
8050	4	Traffic signs (R)	\$2,000	

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**FIELD OPERATIONS
Distribution Branch
5530 - Construction Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,864,143	2,258,400	1,904,182	2,243,892
4120	OVERTIME	458,216	650,000	514,407	650,000
4130	MISC PAYROLL COSTS	114,466	96,000	112,701	152,400
	TOTAL PERSONNEL SERVICES	2,436,825	3,004,400	2,531,290	3,046,292
	TOTAL POSITIONS	37	39	35	38
4160	MEALS, MILEAGE, UNIFORM A	26,670	36,000	31,927	36,000
4250	OTHER CONTRACTUAL SERVICE	78,336	47,000	23,042	47,000
4280	REFUSE COLLECTION & DISPO	524	-	-	-
4460	OTHER MATERIALS & SUPPLIE	30,394	36,000	31,705	36,000
4500	EDUCATION & TRAINING	208	-	-	-
4805	REPAIR AND MAINT OF STRUC	19,983	36,000	35,282	36,000
4815	REPAIR AND MAINT OF EQUIP	5,317	6,000	3,068	6,000
8050	EQUIPMENT UNDER \$5,000	17,273	13,000	12,820	7,000
	TOTAL MATERIAL & SUPPLIES	178,705	174,000	137,844	168,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,615,530	3,178,400	2,669,135	3,214,292

Section's Activity

The Suburban Field Services Branch, in the respective suburban areas, operates the distribution systems, including the installation, maintenance and repair of mains, fire hydrants, valves and other appurtenances; operates and maintains the corporation yards; operates a radio-telephone communications center in each of the three suburban headquarters--Central, Leeward and Waianae baseyards.

Materials, Supplies and Services

4250 Police special duty – traffic control; facility repairs; sanitary survey repairs; welding services.

4460 Botanicals, small tools, miscellaneous supplies and materials.

4815 Repairs to lawn mowers, weed-eaters, welding, pneumatic and gas-powered equipment, etc.

Equipment

8050	1	Pole saw (R)	\$600		8050	2	Honda pump (R)	\$1,200
8050	3	Back pack blowers (R)	\$1,500		8050	1	Thrash pump (R)	\$2,300
8050	1	Gas monitor (R)	\$1,600		8050	6	Roadway signs (R)	\$1,800
8050	4	Target saw (R)	\$6,000		8050	1	Whacker tamper (R)	\$4,900
8050	2	Pavement breaker 60#(R)	\$3,000		8050	1	Chain saws (R)	\$500
8050	2	Pavement breaker #35 (R)	\$2,800		8050	6	Signs (Rough Road Ahead) (N)	\$1,200
8050	1	Honda pump (R)	\$800		8050	5	Roadway signs (R)	\$1,500
8050	2	Air hammer (R)	\$1,400					

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FIELD OPERATIONS

Suburban Field Services Branch

5540 - Admin.Section ; 5541 - Manana Section; 5542 - Wahiawa Section; & 5543 - Waianae Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	2,651,392	3,264,370	2,827,217	3,272,064
4120	OVERTIME	387,414	540,600	473,914	540,600
4130	MISC PAYROLL COSTS	94,448	108,000	109,710	243,400
	TOTAL PERSONNEL SERVICES	3,133,254	3,912,970	3,410,841	4,056,064
	TOTAL POSITIONS	57	64	-	-
4160	MEALS, MILEAGE, UNIFORM A	28,671	33,000	33,204	33,000
4250	OTHER CONTRACTUAL SERVICE	124,348	104,500	50,935	85,000
4430	MISC SUPPLIES	995	2,000	2,052	2,000
4460	OTHER MATERIALS & SUPPLIE	62,514	54,000	41,769	54,000
4815	REPAIR AND MAINT OF EQUIP	5,258	9,600	6,211	9,600
4923	STORE MATERIALS & EXP DIS	-	-	8,729	-
8050	EQUIPMENT UNDER \$5,000	10,596	26,700	19,258	29,600
	TOTAL MATERIAL & SUPPLIES	232,382	229,800	162,158	213,200
1270	GENERAL PLANT & EQUIPMENT	-	9,500	9,500	-
	TOTAL EQUIPMENT	-	9,500	9,500	-
	TOTAL OPERATING EXPENDITURES	3,365,636	4,152,270	3,582,499	4,269,264

Section's Activity

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

Materials, Supplies and Services

- 4250 Maintenance contract for rugs and dust mops, equipment rental and repair, etc.
- 4460 Small tool replacements and new issues, miscellaneous supplies, etc.
- 4805 Repair and maintenance of facilities.

Equipment

8050	(1) hydraulic dolly (N)	\$1,000
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**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FIELD OPERATIONS

Distribution Branch

Maintenance Section

5550 - Dist.Svcs.; 5551 - Service Connections; 5553 - Building Maintenance

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	676,049	1,070,935	786,403	1,061,580
4120	OVERTIME	86,746	42,000	78,296	42,000
4130	MISC PAYROLL COSTS	37,179	8,400	26,011	39,600
	TOTAL PERSONNEL SERVICES	799,974	1,121,335	890,710	1,143,180
	Personnel Services as a % to Revenue	0.00%	0.00%	0.00%	0.00%
	NO. OF POSITIONS	15	24	18	-
	TOTAL POSITIONS	15	24	18	-
4160	MEALS, MILEAGE, UNIFORM A	8,548	3,120	8,073	6,600
4250	OTHER CONTRACTUAL SERVICE	13,477	8,400	10,871	11,000
4430	MISC SUPPLIES	11	-	145	-
4460	OTHER MATERIALS & SUPPLIE	10,092	6,000	4,766	6,000
4805	REPAIR AND MAINT OF STRUC	3,010	24,000	15,801	24,000
4815	REPAIR AND MAINT OF EQUIP	215	-	-	-
8050	EQUIPMENT UNDER \$5,000	4,340	-	-	1,000
	TOTAL MATERIAL & SUPPLIES	39,693	41,520	39,656	48,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	839,667	1,162,855	930,366	1,191,780

Section's Activity

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

Materials, Supplies and Services

4250 Equipment rentals and police for traffic control.

Equipment

8050	1	Target saw (R)	\$1,500		8050	1	Thrash pump (R)	\$2,300
8050	2	Signs – (Rough Road Ahead) (N)	\$400					
8050	---	Modular office furniture (N)	\$4,800					
8050	1	Pavement breaker 35# (R)	\$1,400					
8050	1	Honda pump (R)	\$800					
8050	1	Air hammer (R)	\$700					

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**FIELD OPERATIONS
5560 - Windward Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,211,744	1,615,620	1,260,574	1,525,920
4120	OVERTIME	83,300	132,000	107,426	120,000
4130	MISC PAYROLL COSTS	55,884	48,000	46,398	110,400
	TOTAL PERSONNEL SERVICES	1,350,928	1,795,620	1,414,398	1,756,320
	TOTAL POSITIONS	25	30	25	29
4160	MEALS, MILEAGE, UNIFORM A	11,267	4,000	8,548	12,000
4250	OTHER CONTRACTUAL SERVICE	7,920	33,700	14,394	13,700
4460	OTHER MATERIALS & SUPPLIE	11,819	12,000	11,922	12,000
4815	REPAIR AND MAINT OF EQUIP	1,513	-	2,474	4,800
4923	STORE MATERIALS & EXP DIS	861	-	-	-
8050	EQUIPMENT UNDER \$5,000	5,362	16,900	15,418	13,400
	TOTAL MATERIAL & SUPPLIES	38,742	66,600	52,756	55,900
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,389,670	1,862,220	1,467,154	1,812,220

Section's Activity

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

Materials, Supplies and Services

1110 Storeroom inventory materials

4420 Asphalt, aggregate, cold mix, gravel, etc.

4460 Miscellaneous non-stock items

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**FIELD OPERATIONS
Administrative Support Branch
5585 - Supply Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	261,649	287,712	270,551	298,512
4120	OVERTIME	3,923	6,000	5,346	6,000
4130	MISC PAYROLL COSTS	29	1,200	400	1,200
	TOTAL PERSONNEL SERVICES	265,601	294,912	276,297	305,712
	TOTAL POSITIONS	7	8	7	-
1110	MATERIALS & SUPPLIES	1,214,373	1,440,000	1,436,010	1,440,000
4160	MEALS, MILEAGE, UNIFORM A	2,167	3,000	2,415	3,000
4267	PRINTED FORMS	2,118	600	350	600
4420	HIGHWAY MATERIALS	16,644	60,000	29,641	60,000
4430	MISC SUPPLIES	-	-	33	-
4460	OTHER MATERIALS & SUPPLIE	41,658	84,000	53,420	84,000
4805	REPAIR AND MAINT OF STRUC	-	-	283	-
4920	NON-POTABLE WATER TREATME	-	-	-	24,000
4923	STORE MATERIALS & EXP DIS	470,809	378,000	296,770	378,000
8050	EQUIPMENT UNDER \$5,000	3,395	5,000	4,000	-
	TOTAL MATERIAL & SUPPLIES	1,751,164	1,970,600	1,822,923	1,989,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,016,765	2,265,512	2,099,220	2,295,312

Division's Activity

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

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

CAPITAL PROJECTS - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	2,741,060	4,059,851	3,476,117	4,313,137
4120	OVERTIME	315,775	537,944	366,730	452,300
4130	MISC PAYROLL COSTS	29,792	290,670	261,162	290,670
	TOTAL PERSONNEL SERVICES	3,086,627	4,888,465	4,104,009	5,056,107
	TOTAL POSITIONS	42	66	56	67
4160	MEALS, MILEAGE, UNIFORM A	14,772	11,000	13,048	14,000
4250	OTHER CONTRACTUAL SERVICE	96,548	656,996	506,159	2,078,700
4260	ADV & PUBL OF NOTICES	69	300	300	300
4430	MISC SUPPLIES	1,565	4,200	3,878	8,700
4460	OTHER MATERIALS & SUPPLIE	5,440	13,400	11,214	8,950
4500	EDUCATION & TRAINING	798	26,650	18,106	35,500
4650	SECURITY CAMERA CABLE LIN	-	-	-	250
4720	CONFERENCE EXPENSES	4,057	11,200	6,802	8,700
4815	REPAIR AND MAINT OF EQUIP	7,218	9,100	7,793	9,300
4910	MISC FEES & REGISTRATIONS	200	500	513	500
8050	EQUIPMENT UNDER \$5,000	3,543	2,600	1,442	7,600
	TOTAL MATERIAL & SUPPLIES	134,210	735,946	569,255	2,172,500
1270	GENERAL PLANT & EQUIPMENT	-	28,000	28,000	-
	TOTAL EQUIPMENT	-	28,000	28,000	-
	TOTAL OPERATING EXPENDITURES	3,220,837	5,652,411	4,701,264	7,228,607

Section's Activity

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

Materials, Supplies and Services

4250 program management services

4815 Copy machine and electronic time machine maintenance, etc.

Equipment

8050	1	Ergonomic chair (R)	\$600
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**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**CAPITAL PROJECTS
5565 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	342,500	459,269	423,045	479,465
4120	OVERTIME	2,047	1,100	567	1,100
4130	MISC PAYROLL COSTS	-	13,140	4,380	13,140
	TOTAL PERSONNEL SERVICES	344,547	473,509	427,993	493,705
	TOTAL POSITIONS	6	7	6	7
4160	MEALS, MILEAGE, UNIFORM A	10	200	83	200
4250	OTHER CONTRACTUAL SERVICE	-	500,000	450,000	2,000,000
4260	ADV & PUBL OF NOTICES	69	300	300	300
4430	MISC SUPPLIES	1,095	2,200	2,298	2,500
4460	OTHER MATERIALS & SUPPLIE	24	-	216	-
4500	EDUCATION & TRAINING	220	1,900	945	1,000
4720	CONFERENCE EXPENSES	225	3,750	2,437	3,700
4815	REPAIR AND MAINT OF EQUIP	1,852	2,400	2,013	2,000
8050	EQUIPMENT UNDER \$5,000	2,099	1,000	842	500
	TOTAL MATERIAL & SUPPLIES	5,594	511,750	459,134	2,010,200
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	350,141	985,259	887,127	2,503,905

Section's Activity

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

Materials, Supplies and Services

4460 Miscellaneous engineering and office supplies.

4500 Autocad training and other miscellaneous technical training classes

Equipment

8050	8	Shelves & storage units (N)	\$4,000
8050	2	Chairs, ergonomic (R)	\$1000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**CAPITALPROJECTS
5570 - Design**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	573,179	978,306	756,046	1,001,968
4120	OVERTIME	37,167	35,144	59,375	96,000
4130	MISC PAYROLL COSTS	28,922	29,220	29,220	29,220
	TOTAL PERSONNEL SERVICES	639,268	1,042,670	844,641	1,127,188
	TOTAL POSITIONS	9	16	12	16
4160	MEALS, MILEAGE, UNIFORM A	2,204	600	2,765	3,600
4430	MISC SUPPLIES	-	-	17	-
4460	OTHER MATERIALS & SUPPLIE	492	3,000	2,129	3,000
4500	EDUCATION & TRAINING	344	8,000	7,246	14,200
4720	CONFERENCE EXPENSES	-	900	870	2,000
4910	MISC FEES & REGISTRATIONS	-	-	13	-
8050	EQUIPMENT UNDER \$5,000	608	-	-	5,000
					-
	TOTAL MATERIAL & SUPPLIES	3,648	12,500	13,040	27,800
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	642,916	1,055,170	857,681	1,154,988

Section's Activity

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

Materials, Supplies and Services

4250 Photographic services for project progress and cell phone services.

4460 Miscellaneous supplies including aluminum forms, trowels, etc.

Equipment

8050	2	Pressure gauges & snubbers (R)	\$400
8050	2	Tape measures (R)	\$50
8050	2	Power inverters (R)	\$150

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**CAPITAL PROJECTS
5575 - Construction Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,047,993	1,674,588	1,423,081	1,753,032
4120	OVERTIME	276,075	499,200	306,079	252,000
4130	MISC PAYROLL COSTS	870	243,010	222,262	243,010
	TOTAL PERSONNEL SERVICES	1,324,938	2,416,798	1,951,422	2,248,042
	TOTAL POSITIONS	15	27	23	27
4160	MEALS, MILEAGE, UNIFORM A	12,558	10,200	10,200	10,200
4250	OTHER CONTRACTUAL SERVICE	34,854	36,996	18,194	53,700
4430	MISC SUPPLIES	28	2,000	1,133	2,000
4460	OTHER MATERIALS & SUPPLIE	1,481	4,700	4,683	4,700
4500	EDUCATION & TRAINING	227	6,000	988	8,000
4720	CONFERENCE EXPENSES	3,372	4,400	2,900	1,000
4910	MISC FEES & REGISTRATIONS	200	500	500	500
8050	EQUIPMENT UNDER \$5,000	-	600	600	600
					-
	TOTAL MATERIAL & SUPPLIES	52,720	65,396	39,198	80,700
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,377,658	2,482,194	1,990,620	2,328,742

Section's Activity

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

Materials, Supplies and Services

- 4250 Consolidated charges for printing of Water System standards, reproduction of maps, mylar duplicates, as-built plans, contract drawings, departmental tax map rentals, photographic services, etc.
- 4460 Consolidated charges for all engineering supplies such as drafting paper, acetate film, ink, lettering scales, plotter supplies, survey crew supplies, blueprint machine supplies, canvas map covers, etc.
- 4815 Repair and maintenance of blueprint machines and survey equipment.

Equipment

8050	1	Chair, ergonomic (R)	\$500

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**CAPITAL PROJECTS
5580 - Support Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	498,974	545,814	473,907	568,770
4120	OVERTIME	-	2,500	250	60,000
4130	MISC PAYROLL COSTS	-	5,300	5,300	5,300
	TOTAL PERSONNEL SERVICES	498,974	553,614	479,457	634,070
	TOTAL POSITIONS	8	9	8	9
4250	OTHER CONTRACTUAL SERVICE	18,282	45,000	37,965	25,000
4430	MISC SUPPLIES	434	-	430	4,200
4460	OTHER MATERIALS & SUPPLIE	3,423	4,200	4,186	-
4500	EDUCATION & TRAINING	7	9,000	8,927	10,800
4650	SECURITY CAMERA CABLE LIN	-	-	-	250
4720	CONFERENCE EXPENSES	115	300	595	250
4815	REPAIR AND MAINT OF EQUIP	5,366	6,700	5,780	7,300
8050	EQUIPMENT UNDER \$5,000	-	-	-	500
					-
	TOTAL MATERIAL & SUPPLIES	27,627	65,200	57,883	48,300
1270	GENERAL PLANT & EQUIPMENT	-	28,000	28,000	-
	TOTAL EQUIPMENT	-	28,000	28,000	-
	TOTAL OPERATING EXPENDITURES	526,601	646,814	565,340	682,370

Section's Activity

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

Equipment

8050	2	Chairs, ergonomic (R)	\$1,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

CAPITAL PROJECTS

5630 - Mechanical / Electrical Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	278,414	401,874.00	403,070	513,504
4120	OVERTIME	486	-	459	43,200
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	278,900	401,874	403,529	556,704
	TOTAL POSITIONS	4	7	7	8
4250	OTHER CONTRACTUAL SERVICE	43,412	75,000	66,000	-
4430	MISC SUPPLIES	8	-	-	-
4460	OTHER MATERIALS & SUPPLIE	20	1,500	1,400	1,250
4500	EDUCATION & TRAINING	-	1,750	1,752	1,500
4720	CONFERENCE EXPENSES	345	1,850	1,850	1,750
8050	EQUIPMENT UNDER \$5,000	836	1,000	1,000	1,000
	TOTAL MATERIAL & SUPPLIES	44,621	81,100	72,002	5,500
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	323,521	482,974	475,531	562,204

Division's Activity

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

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

WATER SYSTEM OPERATIONS - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	4,136,162	6,211,869	4,883,184	6,556,519
4120	OVERTIME	602,922	665,703	626,432	684,027
4130	MISC PAYROLL COSTS	34,826	190,324	83,334	127,651
	TOTAL PERSONNEL SERVICES	4,773,910	7,067,896	5,592,950	7,368,197
	TOTAL POSITIONS	84	123	99	124
4160	MEALS, MILEAGE, UNIFORM A	41,610	37,100	33,907	41,100
4250	OTHER CONTRACTUAL SERVICE	473,063	987,100	809,700	924,000
4267	PRINTED FORMS	-	100	-	100
4270	PROFESSIONAL SERVICES	-	420,000	140,000	1,350,000
4410	GASOLINE	819,328	990,000	830,117	990,000
4430	MISC SUPPLIES	4,351	9,200	5,374	5,200
4440	MOTOR VEHICLE PARTS & ACC	524,995	408,900	371,394	408,900
4460	OTHER MATERIALS & SUPPLIE	477,774	644,800	535,789	2,653,800
4470	PARTS AND ACCESSORIES	403,683	545,800	343,957	556,600
4480	POSTAGE	11	-	-	-
4500	EDUCATION & TRAINING	7,395	48,700	21,887	45,250
4670	TELEMETERING	204,984	240,000	202,154	240,000
4680	TELEPHONE	-	4,800	2,000	4,000
4720	CONFERENCE EXPENSES	770	8,200	8,200	12,800
4805	REPAIR AND MAINT OF STRUC	905	-	-	-
4815	REPAIR AND MAINT OF EQUIP	2,071,309	3,166,900	2,024,519	1,150,300
4910	MISC FEES & REGISTRATIONS	3,744	12,400	11,618	8,400
8050	EQUIPMENT UNDER \$5,000	242,331	458,735	256,348	537,700
	TOTAL MATERIAL & SUPPLIES	5,276,252	7,982,735	5,596,965	8,928,150
1270	GENERAL PLANT & EQUIPMENT	953,479	1,509,800	1,502,209	2,139,200
	TOTAL EQUIPMENT	953,479	1,509,800	1,502,209	2,139,200
	TOTAL OPERATING EXPENDITURES	11,003,641	16,560,431	12,692,124	18,435,547

Section's Activity

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

Materials, Supplies and Services

4250 Cell phone charges; office equipment maintenance.

4270 Operational Program Management services

4430 Office supplies.

4460 Drafting supplies; miscellaneous supplies, etc.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**WATER SYSTEM OPERATIONS
5600 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	270,103	365,922	307,680	445,080
4120	OVERTIME	11,020	1,200	3,082	1,200
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	281,123	367,122	310,763	446,280
	TOTAL POSITIONS	6	8	7	8
4160	MEALS, MILEAGE, UNIFORM A	-	-	58	-
4250	OTHER CONTRACTUAL SERVICE	18,554	25,200	19,326	19,200
4270	PROFESSIONAL SERVICES	-	420,000	140,000	1,350,000
4430	MISC SUPPLIES	3,567	8,000	4,492	4,000
4460	OTHER MATERIALS & SUPPLIE	96	1,200	400	1,200
4500	EDUCATION & TRAINING	-	900	300	1,200
4720	CONFERENCE EXPENSES	90	1,800	2,030	800
4815	REPAIR AND MAINT OF EQUIP	863	900	-	900
4910	MISC FEES & REGISTRATIONS	1,078	1,700	2,205	1,700
8050	EQUIPMENT UNDER \$5,000	-	-	-	1,100
	TOTAL MATERIAL & SUPPLIES	24,248	459,700	168,811	1,380,100
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	305,371	826,822	479,574	1,826,380

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.

Materials, Supplies and Services

4460 chlorine replacement; GAC replacement

4815 Motor rewind and reconditioning.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER SYSTEM OPERATIONS
Plant Operations Branch
5610 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	132,892	167,676	113,726	179,928
4120	OVERTIME	8,992	6,000	7,704	6,000
4130	MISC PAYROLL COSTS	-	2,400	800	1,200
	TOTAL PERSONNEL SERVICES	141,884	176,076	122,230	187,128
	TOTAL POSITIONS	3	3	2	3
4160	MEALS, MILEAGE, UNIFORM A	226	300	336	300
4460	OTHER MATERIALS & SUPPLIE	256,471	348,000	319,863	2,384,000
4470	PARTS AND ACCESSORIES	8,111	-	2,807	-
4500	EDUCATION & TRAINING	115	1,800	740	1,000
4720	CONFERENCE EXPENSES	-	700	700	800
4805	REPAIR AND MAINT OF STRUC	905	-	-	-
4815	REPAIR AND MAINT OF EQUIP	1,931,810	2,716,800	1,748,187	822,800
8050	EQUIPMENT UNDER \$5,000	11,994	6,000	10,839	-
	TOTAL MATERIAL & SUPPLIES	2,209,631	3,073,600	2,083,472	3,208,900
1270	GENERAL PLANT & EQUIPMENT	5,335	30,000	22,409	-
	TOTAL EQUIPMENT	5,335	30,000	22,409	-
	TOTAL OPERATING EXPENDITURES	2,356,850	3,279,676	2,228,111	3,396,028

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.

Materials, Supplies and Services

- 4460 Lubricants for pumps, bearings and shafts, chlorine, sodium hypochlorite, replacements of small hand tools, miscellaneous parts, accessories and supplies, etc
- 4470 Provisions for pump and well control electronic conversion, pressure recorder parts, small electric motors, solenoid valves, electronic controls, motor line starters, etc.
- 4815 Replacement, reconditioning, maintenance and emergency repairs of pumps and motors and water treatment plant carbon replacement.

Equipment

8050	12	LMI chlorination pumps (R)(N)	\$20,400		1270	4	4-way valves (R)	\$80,000
8050	7	Electrical testing (R)	\$3,500		1270	4	3-way valves (R)	\$80,000
8050	7	Pocket colorimeter (R)	\$3,500					
8050	---	Pneumatic tools (R)	\$3,000					

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**WATER SYSTEM OPERATIONS
Plant Operations Branch
5611 - District 1 Leeward West Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	335,450	560,532	412,609	582,132
4120	OVERTIME	60,642	132,000	102,577	150,000
4130	MISC PAYROLL COSTS	14,187	16,800	10,909	31,000
	TOTAL PERSONNEL SERVICES	410,279	709,332	526,095	763,132
	TOTAL POSITIONS	7	11	8	11
4160	MEALS, MILEAGE, UNIFORM A	3,946	7,200	6,079	5,400
4460	OTHER MATERIALS & SUPPLIE	22,373	36,000	16,189	36,000
4470	PARTS AND ACCESSORIES	55,728	114,200	48,053	114,400
4680	TELEPHONE	-	4,800	2,000	4,000
4720	CONFERENCE EXPENSES	-	700	700	1,600
4815	REPAIR AND MAINT OF EQUIP	39,326	34,000	55,079	34,000
8050	EQUIPMENT UNDER \$5,000	337	29,900	15,650	30,400
	TOTAL MATERIAL & SUPPLIES	121,709	226,800	143,750	225,800
1270	GENERAL PLANT & EQUIPMENT	10,775	6,000	6,000	160,000
	TOTAL EQUIPMENT	10,775	6,000	6,000	160,000
	TOTAL OPERATING EXPENDITURES	542,763	942,132	675,845	1,148,932

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.

Materials, Supplies and Services

- 4460 Lubricants for pumps, bearings and shafts, chlorine, sodium hypochlorite, replacements of small hand tools, miscellaneous parts, accessories and supplies, etc
- 4470 Provisions for pump and well control electronic conversion, pressure recorder parts, small electric motors, solenoid valves, electronic controls, motor line starters, etc.
- 4815 Replacement, reconditioning, maintenance and emergency repairs of pumps and motors and water treatment plant carbon replacement

Equipment

8050	2	Pocket colorimeter (R)	\$1,000		8050	2	Chain luggers (R)	\$1,200
8050	8	LMI chlorination pumps (N)/(R)	\$24,000		8050	1	Thrash pump (N)	\$700
8050	1	12" check valve	\$4,000		8050	1	Die grinder (R)	\$200
8050	1	5KV megger (R)	\$4,900		8050	4	Hammer drill kit (R)	\$2,000
8050	2	Transfer pumps (R)(N)	\$3,000		8050	2	Impact wrench (N)	\$300
8050	1	Air compressor (N)	\$1,500		8050	2	Impact wrench (N)	\$800
8050	1	Chain hoist (R)	\$700		8050	1	Grinder (N)	\$200
8050	4	Ladders 4'(N)	\$800		8050	6	Cutoff tools (N)	\$900
8050	2	Ladders 6'(R)	\$400		8050	7	Pallets, spill containment (N)	\$4,900
8050	2	Step drill set (N)	\$400		1270	5	12" dezurik 3-way valves (R)	\$100,000

**BOARD OF WATER SUPPLY
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**WATER SYSTEM OPERATIONS
Plant Operations Branch
5612 - District 2 Central/Windward Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	418,419	517,723	438,220	538,123
4120	OVERTIME	138,294	144,000	127,408	150,000
4130	MISC PAYROLL COSTS	12,734	48,000	16,000	12,000
	TOTAL PERSONNEL SERVICES	569,447	709,723	581,628	700,123
	TOTAL POSITIONS	8	10	9	10
4160	MEALS, MILEAGE, UNIFORM A	7,695	7,200	7,077	7,800
4460	OTHER MATERIALS & SUPPLIE	15,688	25,800	24,889	24,100
4470	PARTS AND ACCESSORIES	77,221	115,200	62,202	77,800
4500	EDUCATION & TRAINING	227	4,800	2,000	4,000
4720	CONFERENCE EXPENSES	-	700	700	1,600
4815	REPAIR AND MAINT OF EQUIP	550	244,000	77,806	140,000
8050	EQUIPMENT UNDER \$5,000	3,698	9,300	11,995	51,900
	TOTAL MATERIAL & SUPPLIES	105,079	407,000	186,669	307,200
1270	GENERAL PLANT & EQUIPMENT	-	-	-	100,000
	TOTAL EQUIPMENT	-	-	-	100,000
	TOTAL OPERATING EXPENDITURES	674,526	1,116,723	768,297	1,107,323

Section's Activity

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

Materials, Supplies and Services

- 4460 Lubricants for pumps, bearings and shafts, chlorine, sodium hypochlorite, replacements of small hand tools, miscellaneous parts, accessories and supplies, etc
- 4470 Provisions for pump and well control electronic conversion, pressure recorder parts, small electric motors, solenoid valves, electronic controls, motor line starters, etc.
- 4815 Replacement, reconditioning, maintenance and emergency repairs of pumps and motors.

Equipment

8050	12	LMI chlorination pumps (R)(N)	\$20,400		8050	2	Hammer drill (N)	\$800
8050	5	Pocket colorimeter (N))	\$2,500		8050	7	Cordless combo kit (R)	\$2,800
1270	2	16" check valves (R)	\$40,000		8050	4	Chemical transfer pumps (R)	\$8,000
8050	1	Mechanical dieless crimper (R)	\$500		8050	1	PVC welder (N)	\$1,500
8050	1	Cable & wire cutter (N)	\$300		8050	2	Tap & Die set (R)(N)	\$1,400
8050	2	Angle grinder (N)	\$600		8050	2	Cla-Val flow meter (N)	\$4,000

**BOARD OF WATER SUPPLY
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**WATER SYSTEM OPERATIONS
Plant Operations Branch
5613 - District 3 Metropolitan Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	252,477	518,592	390,386	538,992
4120	OVERTIME	32,387	60,000	47,913	60,000
4130	MISC PAYROLL COSTS	-	16,800	5,600	4,800
	TOTAL PERSONNEL SERVICES	284,864	595,392	443,898	603,792
	TOTAL POSITIONS	5	10	8	10
4160	MEALS, MILEAGE, UNIFORM A	1,735	4,200	2,969	4,200
4460	OTHER MATERIALS & SUPPLIE	9,239	13,100	13,133	22,700
4470	PARTS AND ACCESSORIES	21,512	79,200	65,838	124,000
4500	EDUCATION & TRAINING	-	4,800	2,450	4,000
4720	CONFERENCE EXPENSES	-	700	700	1,600
4815	REPAIR AND MAINT OF EQUIP	1,992	24,000	14,000	8,000
8050	EQUIPMENT UNDER \$5,000	18,014	18,300	14,022	42,800
	TOTAL MATERIAL & SUPPLIES	52,492	144,300	113,113	207,300
1270	GENERAL PLANT & EQUIPMENT	-	-	-	40,000
	TOTAL EQUIPMENT	-	-	-	40,000
	TOTAL OPERATING EXPENDITURES	337,356	739,692	557,011	851,092

Section's Activity

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

Materials, Supplies and Services

- 4460 Lubricants for pumps, bearings and shafts, sodium hypochlorite, replacements of small hand tools, miscellaneous parts, accessories and supplies, etc
- 4470 Provisions for pump and well control electronic conversion, pressure recorder parts, small electric motors, solenoid valves, electronic controls, motor line starters, etc.
- 4815 GAC replacement, elevator maintenance.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER SYSTEM OPERATIONS
Plant Operations Branch
5614 - District 4 Leeward East Section Section**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	327,466	512,604	334,493	533,004
4120	OVERTIME	34,710	48,000	37,220	54,000
4130	MISC PAYROLL COSTS	923	48,000	16,000	4,800
	TOTAL PERSONNEL SERVICES	363,099	608,604	387,713	591,804
	TOTAL POSITIONS	6	10	7	10
4160	MEALS, MILEAGE, UNIFORM A	2,472	2,000	1,975	3,000
4460	OTHER MATERIALS & SUPPLIE	8,152	9,800	10,356	10,000
4470	PARTS AND ACCESSORIES	98,123	94,000	49,821	87,000
4500	EDUCATION & TRAINING	165	4,800	1,760	4,000
4720	CONFERENCE EXPENSES	-	700	700	1,600
4815	REPAIR AND MAINT OF EQUIP	1,626	25,200	10,821	15,000
8050	EQUIPMENT UNDER \$5,000	952	15,700	12,002	-
	TOTAL MATERIAL & SUPPLIES	111,490	152,200	87,435	120,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	474,589	760,804	475,148	712,404

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 the Board's regular working hours.

Equipment

8050	10	Telephone headsets (R)	\$1,500
8050	1	Chair (R)	\$800
8050	2	Easels (N)	\$300
8050	2	Whiteboards (N)	\$400

**BOARD OF WATER SUPPLY
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**WATER SYSTEM OPERATIONS
Plant Operations Branch
Technical Services and Control Center Section
5615 - Control Center Unit**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	443,162	580,968	506,666	603,768
4120	OVERTIME	174,504	96,000	134,777	98,400
4130	MISC PAYROLL COSTS	379	12,000	4,000	4,000
	TOTAL PERSONNEL SERVICES	618,045	688,968	645,443	706,168
	TOTAL POSITIONS	9	12	11	12
4160	MEALS, MILEAGE, UNIFORM A	9,495	8,400	7,557	9,000
4460	OTHER MATERIALS & SUPPLIE	-	-	80	-
4500	EDUCATION & TRAINING	330	4,800	2,720	4,000
4720	CONFERENCE EXPENSES	-	700	700	1,600
8050	EQUIPMENT UNDER \$5,000	-	3,100	3,000	3,000
	TOTAL MATERIAL & SUPPLIES	9,825	17,000	14,057	17,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	627,870	705,968	659,500	723,768

Section's Activity

The Pumps – 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.

Materials, Supplies and Services

4470 Provisions for parts and air conditioning units, pump and well control electronic conversion, pressure recorder parts, small electric motors, solenoid valves, electronic controls, motor line starters, etc.

Equipment

8050	-	Misc. tools	(R)	\$2,400
8050	1	Electric power washer	(R)	\$1,300
8050	1	Insulation multimeter kit	(R)	\$1,200
8050	2	Angle grinder	(N)	\$800
8050	12	Distribution panel batteries	(R)	\$2,700

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER SYSTEM OPERATIONS
Plant Operations Branch
Technical Services and Control Center Section
5616 - Technical Services Unit**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	240,144	453,696	349,532	471,696
4120	OVERTIME	21,580	42,000	22,420	30,000
4130	MISC PAYROLL COSTS	4,099	25,000	21,000	25,000
	TOTAL PERSONNEL SERVICES	265,823	520,696	392,953	526,696
	TOTAL POSITIONS	5	9	7	9
4160	MEALS, MILEAGE, UNIFORM A	1,162	1,200	770	1,200
4250	OTHER CONTRACTUAL SERVICE	1,622	-	-	-
4460	OTHER MATERIALS & SUPPLIE	19,527	20,100	17,562	25,000
4470	PARTS AND ACCESSORIES	26,613	22,800	14,812	33,000
4500	EDUCATION & TRAINING	-	3,000	1,000	4,000
4720	CONFERENCE EXPENSES	-	700	700	1,600
4815	REPAIR AND MAINT OF EQUIP	3,429	14,400	29,161	30,000
8050	EQUIPMENT UNDER \$5,000	5,454	9,200	7,295	8,400
	TOTAL MATERIAL & SUPPLIES	57,807	71,400	71,301	103,200
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	323,630	592,096	464,254	629,896

Section's Activity

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

Materials, Supplies and Services

4250 Hazardous material disposal project \$48,000; radio simulcast study \$24,000; contract radio work \$12,000

4470 Replacement parts and accessories required for continued upgrading of telemetry and supervisory control system (SCADA system) and the Board's mobile radio system.

4670 Lease charges for telephone lines used for telemetry and supervisory control networks.

4815 Service and maintenance contracts for the fire alarm system and the UPS (Uninterrupted Power Supply) system.

Equipment

8050	30	Differential pressure flow transmitter (R)	\$85,000		8050	10	ACE 3600 CPU module (R)	\$20,000
8050	25	Pressure transmitter (R)	\$50,000		8050	50	Moore alarm module (R)	\$18,000
8050	10	Radio telemetry system (R)	\$23,000		8050	10	Water level pressure transducers (R)	\$16,000
8050	20	PLC equipment w/ accessories (R)	\$67,000		8050	15	Dyna2020 PLC CIP panels (R)	\$39,000
8050	10	Minuteman 750VA UPS (R)	\$4,000		8050	15	Dyna2020 intermediate CIP panels (R)	\$39,000
8050	8	ACE 3600 DI modules (R)	\$5,000		1270	2	Motorola ACE 3640 GateWay eqpt.	\$12,000
8050	8	ACE 3600 AI modules (R)	\$9,000		1270	20	Motorola ACE 3600 RTU (N)	\$130,000
8050	8	ACE 3600 DO modules (R)	\$9,000		1270	1	Fixed radio relay station (N)	\$37,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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**WATER SYSTEM OPERATIONS
5620 - Telecommunications Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	216,533	553,596	332,187	575,196
4120	OVERTIME	28,114	40,800	29,402	36,000
4130	MISC PAYROLL COSTS	-	12,000	4,000	21,400
	TOTAL PERSONNEL SERVICES	244,647	606,396	365,589	632,596
	TOTAL POSITIONS	4	11	6	11
4160	MEALS, MILEAGE, UNIFORM A	705	1,200	742	1,200
4250	OTHER CONTRACTUAL SERVICE	39,722	84,000	41,162	85,000
4460	OTHER MATERIALS & SUPPLIE	5,967	12,000	6,073	12,000
4470	PARTS AND ACCESSORIES	88,405	72,000	65,345	72,000
4480	POSTAGE	11	-	-	-
4500	EDUCATION & TRAINING	220	2,400	900	2,400
4670	TELEMETERING	204,984	240,000	202,154	240,000
4720	CONFERENCE EXPENSES	-	700	700	800
4815	REPAIR AND MAINT OF EQUIP	6,854	24,000	14,019	24,000
4910	MISC FEES & REGISTRATIONS	-	-	230	-
8050	EQUIPMENT UNDER \$5,000	196,146	352,300	166,144	384,000
	TOTAL MATERIAL & SUPPLIES	543,013	788,600	497,468	821,400
1270	GENERAL PLANT & EQUIPMENT	38,983	100,000	100,000	179,000
	TOTAL EQUIPMENT	38,983	100,000	100,000	179,000
	TOTAL OPERATING EXPENDITURES	826,643	1,494,996	963,057	1,632,996

Section's Activity

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

Materials, Supplies and Services

4250 water quality testing; quality assurance, safety and audit

Equipment

1270	1	Gas chromatograph/ mass spectrometer (R)	\$115,000
1270	---	Modular partitions (N)	\$20,000
8050	2	Portable ph meter (R)	\$1,200
8050	2	Portable turbidity meter ®	\$2,100

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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5641 - CHEMICAL LABORATORY

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	288,368	485,048	382,082	550,968
4120	OVERTIME	15,496	24,000	24,914	26,396
4130	MISC PAYROLL COSTS	-	1,200	2,317	2,400
	TOTAL PERSONNEL SERVICES	303,864	510,248	409,314	579,764
	TOTAL POSITIONS	6	9	7	10
4160	MEALS, MILEAGE, UNIFORM A	763	1,200	937	1,200
4250	OTHER CONTRACTUAL SERVICE	260,337	605,100	516,421	532,100
4430	MISC SUPPLIES	-	-	-	-
4460	OTHER MATERIALS & SUPPLIE	1,251	36,000	13,558	5,000
4500	EDUCATION & TRAINING	-	1,200	1,200	1,450
4720	CONFERENCE EXPENSES	-	-	190	-
4815	REPAIR AND MAINT OF EQUIP	744	10,000	5,508	2,000
4910	MISC FEES & REGISTRATIONS	20	-	-	-
8050	EQUIPMENT UNDER \$5,000	274	-	482	3,300
	TOTAL MATERIAL & SUPPLIES	263,389	653,500	538,296	545,050
1270	GENERAL PLANT & EQUIPMENT	-	166,000	166,000	135,000
	TOTAL EQUIPMENT	-	166,000	166,000	135,000
	TOTAL OPERATING EXPENDITURES	567,253	1,329,748	1,113,610	1,259,814

Section's Activity

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

Materials, Supplies and Services

4250 QA program and audit

4460 Routine supplies for the microbiological laboratory

Equipment

8050	2	Portable chlorine meter (R)	\$1,000
8050	1	Portable ph meter (N)	\$1,000
8050	1	Safety cabinet (N)	\$1,500

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5642 - MICROBIOLOGICAL LABORATORY

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	277,130	359,160	313,403	372,660
4120	OVERTIME	70,922	60,000	75,534	60,000
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	348,052	419,160	388,936	432,660
	TOTAL POSITIONS	6	7	6	7
4160	MEALS, MILEAGE, UNIFORM A	12,973	2,400	4,499	6,000
4250	OTHER CONTRACTUAL SERVICE	51,307	101,200	101,050	116,100
4430	MISC SUPPLIES	7	-	-	-
4460	OTHER MATERIALS & SUPPLIE	35,210	54,000	41,094	45,000
4500	EDUCATION & TRAINING	-	6,300	3,970	5,300
4720	CONFERENCE EXPENSES	680	-	380	-
4815	REPAIR AND MAINT OF EQUIP	1,792	4,000	3,000	4,000
4910	MISC FEES & REGISTRATIONS	25	8,600	6,586	4,600
8050	EQUIPMENT UNDER \$5,000	1,408	6,700	6,700	3,500
	TOTAL MATERIAL & SUPPLIES	103,402	183,200	167,279	184,500
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	451,454	602,360	556,215	617,160

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.

Materials, Supplies and Services

- 4250 Repair of automotive equipment; load tests; towing services; fire extinguisher costs; software updates; etc.
- 4440 Direct purchases of automotive parts, tires, and tire services, etc.
- 4460 Paint, cleaners, antifreeze, wire, sheet iron, decals, miscellaneous parts for shop equipment, etc.
- 4470 Direct purchases of construction equipment parts.
- 4815 Costs of repairs to transmissions, accident damages, windshields and windows, upholstery, radiators, front suspensions, etc

Equipment

1270	6	SUV 4x4 & 4x2(R)	\$191,900		1270	2	SUV 4x4 & 4x2 (N)	\$57,600
1270	1	Van, passenger (R)	\$41,300		1270	1	Chipper dump body (N)	\$35,000
1270	3	Trucks, utility(R)	\$160,500		8050	---	Misc. tools (N)	\$700
1270	1	Hood-lift dump body (R)	\$140,700		8050	1	Monitor (R)	\$400
1270	1	Dump truck, 12CY (R)	\$195,200		8050	1	Trailer connection tester (N)	\$2,100
1270	1	Truck tractor (R)	\$200,800		8050	1	Diagnostic scanner (N)	\$2,300
1270	1	Backhoe loader (R)	\$110,200		8050	1	Parking striper (N)	\$3,800
1270	4	Water pumpers (R)	\$392,000					

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**WATER SYSTEM OPERATIONS
5660 - Automotive Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	934,018	1,136,352	1,002,200	1,164,972
4120	OVERTIME	6,261	11,703	13,479	12,031
4130	MISC PAYROLL COSTS	2,504	8,124	2,708	21,051
	TOTAL PERSONNEL SERVICES	942,783	1,156,179	1,018,387	1,198,054
	TOTAL POSITIONS	19	23	20	23
4160	MEALS, MILEAGE, UNIFORM A	438	1,800	908	1,800
4250	OTHER CONTRACTUAL SERVICE	101,521	171,600	131,741	171,600
4267	PRINTED FORMS	-	100	-	100
4410	GASOLINE	819,328	990,000	830,117	990,000
4430	MISC SUPPLIES	777	1,200	882	1,200
4440	MOTOR VEHICLE PARTS & ACC	524,995	408,900	371,394	408,900
4460	OTHER MATERIALS & SUPPLIE	103,800	88,800	72,592	88,800
4470	PARTS AND ACCESSORIES	27,970	48,400	35,079	48,400
4500	EDUCATION & TRAINING	6,338	13,900	4,847	13,900
4720	CONFERENCE EXPENSES	-	800	-	800
4815	REPAIR AND MAINT OF EQUIP	82,324	69,600	66,938	69,600
4910	MISC FEES & REGISTRATIONS	2,621	2,100	2,597	2,100
8050	EQUIPMENT UNDER \$5,000	4,055	8,235	8,220	9,300
	TOTAL MATERIAL & SUPPLIES	1,674,167	1,805,435	1,525,315	1,806,500
1270	GENERAL PLANT & EQUIPMENT	898,386	1,207,800	1,207,800	1,525,200
	TOTAL EQUIPMENT	898,386	1,207,800	1,207,800	1,525,200
	TOTAL OPERATING EXPENDITURES	3,515,336	4,169,414	3,751,502	4,529,754

Division's Activity

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

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

INFORMATION TECHNOLOGY - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,769,462	2,478,317.40	2,067,841	2,881,415
4120	OVERTIME	223,237	327,779.59	313,173	409,609
4130	MISC PAYROLL COSTS	-	159,322.00	77,128	197,883
	TOTAL PERSONNEL SERVICES	1,992,699	2,965,419	2,458,142	3,488,907
	TOTAL POSITIONS	29	40	34	45
4160	MEALS, MILEAGE, UNIFORM A	1,906	16,380	8,058	16,380
4250	OTHER CONTRACTUAL SERVICE	3,395,846	3,158,499	2,762,390	3,087,550
4270	PROFESSIONAL SERVICES	1,311	-	-	-
4430	MISC SUPPLIES	7,600	8,450	4,019	10,400
4460	OTHER MATERIALS & SUPPLIE	82,692	98,460	73,512	85,460
4470	PARTS AND ACCESSORIES	-	12,000	140	24,000
4480	POSTAGE	338,621	1,155,200	895,603	1,226,200
4500	EDUCATION & TRAINING	25,120	97,764	46,337	120,460
4650	SECURITY CAMERA CABLE LIN	119,178	129,996	114,617	87,840
4720	CONFERENCE EXPENSES	1,759	26,100	17,913	37,145
4815	REPAIR AND MAINT OF EQUIP	580,520	800,202	912,319	669,060
8050	EQUIPMENT UNDER \$5,000	459,188	457,892	476,107	322,610
	TOTAL MATERIAL & SUPPLIES	5,013,742	5,960,943	5,311,014	5,687,105
1270	GENERAL PLANT & EQUIPMENT	536,958	458,300	434,196	543,000
	TOTAL EQUIPMENT	536,958	458,300	434,196	543,000
	TOTAL OPERATING EXPENDITURES	7,543,398	9,384,662	8,203,352	9,719,012

Section's Activity

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

Equipment

8050	2	Modular furniture (N)	\$6,600
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**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**INFORMATION TECHNOLOGY
5805 - Administration**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	178,808	280,836	264,077	351,222
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	178,808	280,836	264,077	351,222
	TOTAL POSITIONS	2	3	3	4
4250	OTHER CONTRACTUAL SERVICE	9,921	-	6,372	50,000
4430	MISC SUPPLIES	2,366	3,000	1,668	3,000
4500	EDUCATION & TRAINING	-	-	-	1,600
4720	CONFERENCE EXPENSES	-	-	-	15,065
8050	EQUIPMENT UNDER \$5,000	-	-	-	6,600
	TOTAL MATERIAL & SUPPLIES	12,287	3,000	8,040	76,265
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	191,095	283,836	272,117	427,487

Section's Activity

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

Materials, Supplies and Services

4250 Licenses; software maintenance and support

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**INFORMATION TECHNOLOGY
5820 - Application Systems Development Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	514,952	593,632	634,607	690,664
4120	OVERTIME	192,103	271,104	273,903	337,680
4130	MISC PAYROLL COSTS	-	87,184	54,384	115,716
	TOTAL PERSONNEL SERVICES	707,055	951,920	962,893	1,144,060
	TOTAL POSITIONS	8	9	10	11
4160	MEALS, MILEAGE, UNIFORM A	1,359	15,420	7,393	15,420
4250	OTHER CONTRACTUAL SERVICE	1,166,862	1,078,549	1,015,697	1,091,600
4430	MISC SUPPLIES	597	1,200	477	1,200
4460	OTHER MATERIALS & SUPPLIE	166	-	392	-
4500	EDUCATION & TRAINING	-	31,600	15,664	36,700
4720	CONFERENCE EXPENSES	-	10,900	3,633	5,600
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	1,168,984	1,137,669	1,043,256	1,150,520
1270	GENERAL PLANT & EQUIPMENT	42,109	70,000	70,000	-
	TOTAL EQUIPMENT	42,109	70,000	70,000	-
	TOTAL OPERATING EXPENDITURES	1,918,148	2,159,589	2,076,150	2,294,580

Section's Activity

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

Materials, Supplies and Services

4250 printing services – water bills; online server, network and helpdesk support; voice and data lines monthly charges; VOIP and network support;

4815 Maintenance and service agreements for computer hardware and software.

Equipment

1270	---	Data storage system (N)	\$100,000
1270	---	Network eqpt.(N)	\$175,000
1270	1	Data center A/C replacement (R)	\$50,000
1270	3	Data Center upgrades (N)	\$90,000
1270	---	CMMS server upgrade (R)	\$103,000
8050	15	Thin clients (R)(N)	\$7,500
8050	15	Notebook upgrades(R)(N)	\$67,500
8050	20	Desktops (R)(N)	\$30,000
8050	5	MFP upgrades (R)	\$17,500
8050	30	IP phones (R)(N)	\$15,000
8050	---	Misc. eqpt.- requested by divisions	\$152,010
		(detailed listing is available)	

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**INFORMATION TECHNOLOGY
5830 - Operations Support Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	512,217	800,484	585,011	849,804
4120	OVERTIME	29,411	40,002	33,759	40,000
4130	MISC PAYROLL COSTS	-	33,972	11,324	34,524
	TOTAL PERSONNEL SERVICES	541,628	874,458	630,093	924,328
	TOTAL POSITIONS	9	14	10	14
4160	MEALS, MILEAGE, UNIFORM A	324	960	567	960
4250	OTHER CONTRACTUAL SERVICE	1,577,936	1,405,700	1,164,198	1,317,200
4270	PROFESSIONAL SERVICES	1,311	-	-	-
4430	MISC SUPPLIES	4,472	3,000	1,684	3,000
4460	OTHER MATERIALS & SUPPLIE	81,593	86,000	72,856	76,000
4470	PARTS AND ACCESSORIES	-	-	140	6,000
4480	POSTAGE	338,621	1,155,000	895,603	1,226,000
4500	EDUCATION & TRAINING	24,681	59,664	24,513	53,160
4650	SECURITY CAMERA CABLE LIN	119,178	129,996	114,617	87,840
4720	CONFERENCE EXPENSES	-	-	1,180	-
4815	REPAIR AND MAINT OF EQUIP	580,520	775,202	912,319	629,060
8050	EQUIPMENT UNDER \$5,000	457,249	454,892	474,962	289,510
	TOTAL MATERIAL & SUPPLIES	3,185,886	4,070,414	3,662,638	3,688,730
1270	GENERAL PLANT & EQUIPMENT	494,849	360,000	360,896	518,000
	TOTAL EQUIPMENT	494,849	360,000	360,896	518,000
	TOTAL OPERATING EXPENDITURES	4,222,362	5,304,872	4,653,627	5,131,058

Section's Activity

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

Materials, Supplies and Services

4815 wireless system maintenance; camera system maintenance

Equipment

8050	7	Modular furniture (N)	\$21,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**INFORMATION TECHNOLOGY
5832 - Communications Support Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST	FY 2013-2014 BUDGET
4110	REGULAR SALARIES		79,161	-	225,465
4120	OVERTIME		6,473	-	21,729
4130	MISC PAYROLL COSTS	-	3,906	-	13,383
	TOTAL PERSONNEL SERVICES	-	89,540	-	260,577
	TOTAL POSITIONS	-	1	-	3
4160	MEALS, MILEAGE, UNIFORM A		-	-	-
4250	OTHER CONTRACTUAL SERVICE		50,000	-	-
4270	PROFESSIONAL SERVICES		-	-	-
4275	MEDICAL & SURGICAL SERVIC		-	-	-
4280	REFUSE COLLECTION & DISPO		-	-	-
4430	MISC SUPPLIES		750	-	2,700
4440	MOTOR VEHICLE PARTS & ACC		-	-	-
4460	OTHER MATERIALS & SUPPLIE		12,000	-	9,000
4470	PARTS AND ACCESSORIES		12,000	-	18,000
4500	EDUCATION & TRAINING		-	-	25,000
4650	SECURITY CAMERA CABLE LIN		-	-	-
4815	REPAIR AND MAINT OF EQUIP		25,000	-	40,000
8050	EQUIPMENT UNDER \$5,000		3,000	-	21,000
	TOTAL MATERIAL & SUPPLIES	-	102,750	-	115,700
1270	GENERAL PLANT & EQUIPMENT		25,000	-	-
	TOTAL EQUIPMENT	-	25,000	-	-
	TOTAL OPERATING EXPENDITURES	-	217,290	-	376,277

Section's Activity

The Technical Engineering Projects Section is responsible for providing computer services in engineering applications covering all branches of engineering such as civil, structural, hydraulics, and surveying earthwork; GIS; and other technical operational applications.

Materials, Supplies and Services

4250 GIS consulting services; ESRI software maintenance; hydraulic modeling technical support; GIS web application maintenance

Equipment

8050	1	Camera, digital (N)	\$500
8050	5	Telog hydraulic pressure recorders (N)	\$5,000
1270	1	Siemens Ultrasonic flowmeter (R)	\$11,000
1270	2	Trimble GeoXH (R)	\$14,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**INFORMATION TECHNOLOGY
5835 - Technical Engineering Projects Branch**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	563,485	724,204	584,147	764,260
4120	OVERTIME	1,723	10,200	5,511	10,200
4130	MISC PAYROLL COSTS	-	34,260	11,420	34,260
	TOTAL PERSONNEL SERVICES	565,208	768,664	601,078	808,720
	Personnel Services as a % to Revenue	0.00%	0.00%	0.00%	0.00%
	NO. OF POSITIONS	10	13	10	13
	TOTAL POSITIONS	10	13	10	13
4160	MEALS, MILEAGE, UNIFORM A	223	-	98	-
4250	OTHER CONTRACTUAL SERVICE	641,127	624,250	576,123	628,750
4430	MISC SUPPLIES	165	500	190	500
4460	OTHER MATERIALS & SUPPLIE	933	460	264	460
4480	POSTAGE	-	200	-	200
4500	EDUCATION & TRAINING	439	6,500	6,160	4,000
4720	CONFERENCE EXPENSES	1,759	15,200	13,100	16,480
8050	EQUIPMENT UNDER \$5,000	1,939	-	1,145	5,500
	TOTAL MATERIAL & SUPPLIES	646,585	647,110	597,080	655,890
1270	GENERAL PLANT & EQUIPMENT	-	3,300	3,300	25,000
	TOTAL EQUIPMENT	-	3,300	3,300	25,000
	TOTAL OPERATING EXPENDITURES	1,211,793	1,419,074	1,201,458	1,489,610

Office's Activity

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

Materials, Supplies and Services

- 4270 Drug and alcohol testing, employee assistance program services, fitness for duty evaluations, independent medical evaluations, workplace threat assessments, flu vaccinations, mediation services, and City DHR workers' compensation position.
- 4275 Workers' compensation medical reimbursements to City DHR.
- 4430 Office supplies.
- 4460 Recognition/Service awards and supplies, savings bonds, and other miscellaneous award expenses.
- 4500 In-service training sponsored by HRO, out-service training for HRO staff, DSO textbooks/manuals, tuition reimbursements, HRO library reference materials, and subscriptions to professional periodicals.
- 6340 Indemnity, wage-replacement benefits and DLIR-SCF annual assessment.

Equipment

8050	1	Shredder (R)	\$1,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

5870 - HUMAN RESOURCES

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	481,719	485,856	403,202	505,056
4120	OVERTIME	-	22,000	7,333	22,000
4130	MISC PAYROLL COSTS	-	9,192	3,064	34,518
	TOTAL PERSONNEL SERVICES	481,719	517,048	413,600	561,574
	TOTAL POSITIONS	8	9	8	9
4160	MEALS, MILEAGE, UNIFORM A	35	270	-	270
4250	OTHER CONTRACTUAL SERVICE	4,062	-	85,490	-
4260	ADV & PUBL OF NOTICES	2,006	27,600	11,702	27,600
4265	PRINTING	-	-	245	-
4270	PROFESSIONAL SERVICES	116,671	250,004	190,821	250,004
4275	MEDICAL & SURGICAL SERVIC	329,300	550,000	440,019	550,000
4430	MISC SUPPLIES	1,380	2,100	1,110	2,100
4460	OTHER MATERIALS & SUPPLIE	4,195	5,500	4,173	5,500
4480	POSTAGE	68	500	296	500
4500	EDUCATION & TRAINING	4,970	42,000	19,145	42,000
4720	CONFERENCE EXPENSES	30	3,000	1,575	3,000
4815	REPAIR AND MAINT OF EQUIP	924	1,800	1,459	1,800
4910	MISC FEES & REGISTRATIONS	227	5,000	4,040	5,000
6340	WORKERS' COMP BENEFITS	246,474	400,000	400,440	400,000
8050	EQUIPMENT UNDER \$5,000	4,188	500	168	1,000
	TOTAL MATERIAL & SUPPLIES	714,530	1,288,274	1,160,684	1,288,774
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,196,249	1,805,322	1,574,283	1,850,348

Division'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; preparing the department's annual budget; conducting rate studies; assisting in controlling budgeted expenditures; procurement of goods and services for the department; and administering the general accounting systems including cost accounting, payroll, leave records, and accounts payable.

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
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FINANCE - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	1,736,609	2,245,673	1,849,913	2,419,625
4120	OVERTIME	82,258	85,892	93,219	382,500
4130	MISC PAYROLL COSTS	15,502	75,488	10,136	5,988
	TOTAL PERSONNEL SERVICES	1,834,369	2,407,053	1,953,268	2,808,113
	TOTAL POSITIONS	34	43	37	51
4160	MEALS, MILEAGE, UNIFORM A	4,986	5,700	5,374	6,000
4220	COLLECTION FEES	491	660	507	660
4250	OTHER CONTRACTUAL SERVICE	4,581	11,400	4,565	2,400
4260	ADV & PUBL OF NOTICES	3,873	1,200	400	1,200
4265	PRINTING	-	-	340	-
4267	PRINTED FORMS	5,178	5,600	5,728	5,600
4270	PROFESSIONAL SERVICES	138,730	725,000	526,000	963,000
4430	MISC SUPPLIES	13,759	400	4,989	400
4460	OTHER MATERIALS & SUPPLIE	7,470	3,600	4,242	3,600
4480	POSTAGE	8,100	16,700	16,700	16,700
4500	EDUCATION & TRAINING	1,680	22,000	2,045	22,400
4720	CONFERENCE EXPENSES	-	1,300	380	1,300
4815	REPAIR AND MAINT OF EQUIP	2,974	5,000	6,101	5,000
4910	MISC FEES & REGISTRATIONS	2,475	1,050	200	900
4915	MISCELLANEOUS FINANCIAL E	2,197,390	790,000	2,041,500	721,000
8050	EQUIPMENT UNDER \$5,000	451	12,100	13,477	6,000
	TOTAL MATERIAL & SUPPLIES	2,392,138	1,601,710	2,632,548	1,756,160
1270	GENERAL PLANT & EQUIPMENT	-	48,000	65,253	39,000
	TOTAL EQUIPMENT	-	48,000	65,253	39,000
	TOTAL OPERATING EXPENDITURES	4,226,507	4,056,763	4,651,069	4,603,273

Section's Activity

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

Materials, Supplies and Services

4270 Annual financial audit; bond compliance services

Equipment

1270	1	Copier, multi- purpose w/ fax	\$9,000
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**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FINANCE

5900 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	282,562	383,412	264,146	358,644
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	282,562	383,412	264,146	358,644
	TOTAL POSITIONS	4	5	4	4
4250	OTHER CONTRACTUAL SERVICE	1,302	2,400	1,546	2,400
4260	ADV & PUBL OF NOTICES	3,873	1,200	400	1,200
4265	PRINTING	-	-	340	-
4267	PRINTED FORMS	476	600	728	600
4270	PROFESSIONAL SERVICES	136,125	175,000	18,000	225,000
4430	MISC SUPPLIES	13,679	-	3,715	-
4460	OTHER MATERIALS & SUPPLIE	384	-	-	-
4500	EDUCATION & TRAINING	1,680	-	2,045	-
4720	CONFERENCE EXPENSES	-	1,300	380	1,300
4815	REPAIR AND MAINT OF EQUIP	408	-	1,301	-
4910	MISC FEES & REGISTRATIONS	2,475	-	-	-
4915	MISCELLANEOUS FINANCIAL E	-	-	129	-
8050	EQUIPMENT UNDER \$5,000	451	8,600	8,221	-
	TOTAL MATERIAL & SUPPLIES	160,853	189,100	36,805	230,500
1270	GENERAL PLANT & EQUIPMENT	-	-	-	9,000
	TOTAL EQUIPMENT	-	-	-	9,000
	TOTAL OPERATING EXPENDITURES	443,415	572,512	300,951	598,144

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.

Materials, Supplies and Services

4270 Investment advisor fees.

4915 Bond administration fees, escrow agent fees and SRF loan fees.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

**FINANCE
5910 - Treasury**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	202,925	130,872.00	96,058	135,672
4120	OVERTIME	24,578	22,500.00	15,284	22,500
4130	MISC PAYROLL COSTS	3,282	-	-	-
	TOTAL PERSONNEL SERVICES	230,785	153,372	111,342	158,172
	TOTAL POSITIONS	1	2	1	2
4160	MEALS, MILEAGE, UNIFORM A	890	1,500	448	1,500
4250	OTHER CONTRACTUAL SERVICE	-	1,000	200	-
4270	PROFESSIONAL SERVICES	2,605	550,000	508,000	738,000
4430	MISC SUPPLIES	-	200	100	200
4500	EDUCATION & TRAINING	-	4,000	-	-
4910	MISC FEES & REGISTRATIONS	-	200	100	300
4915	MISCELLANEOUS FINANCIAL E	2,197,390	790,000	2,041,371	721,000
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	2,200,885	1,346,900	2,550,219	1,461,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,431,670	1,500,272	2,661,560	1,619,172

Section's Activity

The Financial Planning, Consulting, and Analysis Section coordinates the preparation of the annual departmental budget; administers water rates and charges and coordinates water rate studies; develops water and other revenue projections and conducts various revenue, budgetary, financial and statistical studies of the department. Performs technical reviews to analyze, develop, and evaluate procedures and controls for budget, financial and management accounting systems and directs their implementation; and directs the development and maintenance of financial policies and procedures, accounting manuals, instructions and procedural guides.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FINANCE

5920 - Financial Planning, Consulting & Analysis

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	15,379	104,244	34,748	49,944
4120	OVERTIME	342	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	15,721	104,244	34,748	49,944
	TOTAL POSITIONS	1	2	1	1
4250	OTHER CONTRACTUAL SERVICE	-	-	-	-
4255	OTHER SERVICES	-	-	-	-
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	-	-	-	-
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	15,721	104,244	34,748	49,944

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.

Materials, Supplies and Services

4460 Binders, office stationery, computer supplies, etc.

4500 JDE training workshops, conferences.

Equipment

8050	1	Form folding machine – payroll (R)	\$3,000
8050	1	Table for folding machine (R)	\$300
8050	3	File cabinets (R)	\$600
8050	3	Chairs (R)	\$900

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FINANCE

5930 - General Accounting

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	479,785	598,380	514,157	572,568
4120	OVERTIME	4,984	11,792	14,300	69,600
4130	MISC PAYROLL COSTS	-	5,988	1,996	5,988
	TOTAL PERSONNEL SERVICES	484,769	616,160	530,453	648,156
	TOTAL POSITIONS	10	12	10	11
4160	MEALS, MILEAGE, UNIFORM A	410	600	710	600
4220	COLLECTION FEES	491	660	507	660
4267	PRINTED FORMS	4,702	5,000	5,000	5,000
4430	MISC SUPPLIES	57	200	200	200
4460	OTHER MATERIALS & SUPPLIE	-	400	400	400
4500	EDUCATION & TRAINING	-	10,400	-	2,400
4815	REPAIR AND MAINT OF EQUIP	829	400	200	400
8050	EQUIPMENT UNDER \$5,000	-	2,000	2,009	4,800
	TOTAL MATERIAL & SUPPLIES	6,489	19,660	9,026	14,460
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	491,258	635,820	539,479	662,616

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. This branch is also responsible for and performing all duties related to systems accounting and financial planning and analysis.

Equipment

8050	4	Calculators (R)	\$1,200

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FINANCE

5940 - Fiscal Services

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	298,588	270,276	279,290	291,504
4120	OVERTIME	4,805	-	1,057	6,000
4130	MISC PAYROLL COSTS	-	20,000	-	-
	TOTAL PERSONNEL SERVICES	303,393	290,276	280,347	297,504
	TOTAL POSITIONS	4	4	4	5
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	300
4250	OTHER CONTRACTUAL SERVICE	-	8,000	-	-
4460	OTHER MATERIALS & SUPPLIE	2,295	-	-	-
4500	EDUCATION & TRAINING	-	7,600	-	-
4910	MISC FEES & REGISTRATIONS	-	250	100	-
8050	EQUIPMENT UNDER \$5,000	-	1,000	400	1,200
	TOTAL MATERIAL & SUPPLIES	2,295	16,850	500	1,500
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	305,688	307,126	280,847	299,004

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.

Materials, Supplies and Services

4480 postage for departmental correspondence

Equipment

1270	1	VXU (R)	\$30,000

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FINANCE

5380 - Revenue and Customer Accounting

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	457,370	709,745	661,515	961,349
4120	OVERTIME	47,549	51,600	62,578	284,400
4130	MISC PAYROLL COSTS	12,220	49,500	8,140	-
	TOTAL PERSONNEL SERVICES	517,139	810,845	732,233	1,245,749
	TOTAL POSITIONS	14	17	17	27
4160	MEALS, MILEAGE, UNIFORM A	3,686	3,600	4,216	3,600
4250	OTHER CONTRACTUAL SERVICE	3,279	-	2,819	-
4430	MISC SUPPLIES	23	-	974	-
4460	OTHER MATERIALS & SUPPLIE	4,791	3,200	3,842	3,200
4470	PARTS AND ACCESSORIES	-	-	-	-
4480	POSTAGE	8,100	16,700	16,700	16,700
4500	EDUCATION & TRAINING	-	-	-	20,000
4815	REPAIR AND MAINT OF EQUIP	1,737	4,600	4,600	4,600
4910	MISC FEES & REGISTRATIONS	-	600	-	600
8050	EQUIPMENT UNDER \$5,000	-	500	2,847	-
	TOTAL MATERIAL & SUPPLIES	21,616	29,200	35,998	48,700
1270	GENERAL PLANT & EQUIPMENT	-	48,000	65,253	30,000
	TOTAL EQUIPMENT	-	48,000	65,253	30,000
	TOTAL OPERATING EXPENDITURES	538,755	888,045	833,484	1,324,449

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.

**BOARD OF WATER SUPPLY
ANNUAL OPERATING BUDGET
FISCAL YEAR 2013-2014**

FINANCE

5950 - Systems Accounting

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2012-2013 BUDGET	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET
4110	REGULAR SALARIES	-	48,744	-	49,944
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	-	48,744	-	49,944
	TOTAL POSITIONS	-	1	-	1
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	-	-	-	-
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	-	48,744	-	49,944

PART II

CAPITAL IMPROVEMENT PROGRAM BUDGET

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

		Operating Fund	Special Expendable Fund	State Revolving Fund	Total
Summary by Project and Cost Categories					
I. Research and Development	Total	5,710,000	-	800,000	6,510,000
II. Renewal and Replacement					
A. Pumps		10,268,000	-	-	10,268,000
B. Reservoirs		2,500,000	-	-	2,500,000
C. Pipelines		16,965,000	-	5,300,000	22,265,000
D. Treatment		-	-	-	-
E. Facilities		16,439,000	-	-	16,439,000
	Total	46,172,000	-	5,300,000	51,472,000
III. Capacity Expansion					
A. Pumps		-	-	-	-
B. Reservoirs		-	8,150,000	-	8,150,000
C. Pipelines		-	4,050,000	-	4,050,000
D. Treatment		-	-	-	-
E. Facilities		4,130,000	-	-	4,130,000
	Total	4,130,000	12,200,000	-	16,330,000
Sub-Total - Categories I - III		56,012,000	12,200,000	6,100,000	74,312,000
Construction Cost Index Adjustment Account		4,086,800	1,150,000	530,000	5,766,800
Contract Adjustment Account		2,100,000	-	-	2,100,000
FY 2013 - 2014 Capital Improvement Program		62,198,800	13,350,000	6,630,000	82,178,800

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
<u>I. RESEARCH AND DEVELOPMENT</u>							
1.	Maakua Well Unit No. 2	Drill and case new well at existing Maakua Wells Station.	Const	210,000	-	-	210,000
2.	BWS Water Master Plan Development	Develop a water master plan for the repair, replacement and upgrade of BWS pipelines, reservoirs, pump stations, sources, treatment and other facilities. Work includes root cause analyses, detailed condition assessments, system analyses and evaluations, defining and prioritizing projects and the development of a comprehensive capital improvements program and financial plan.	P&E	5,500,000	-	-	5,500,000
3.	Energy Savings Performance Contracting (ESPC) - BWS FACILITIES	Implement an ESPC project on BWS facilities with a goal of reducing energy demand by 20%.	P&E	-	-	800,000	800,000
Total Category I - RESEARCH AND DEVELOPMENT				5,710,000	-	800,000	6,510,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
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II. RENEWAL AND REPLACEMENT

A. Pumps

4. Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	Const	100,000	-	-	100,000
5. Aina Koa Booster IV and Booster V: Repair of Pumping Units	Remove and provide new two (2) booster pumps. Remove and provide new pump isolation valves. Replace existing motor controller with soft start motor controller. Corrosion control and repainting of all interior piping.	Const	600,000	-	-	600,000
6. Kamiloiki Booster: Repair of Pumping Units	Remove and provide new three (3) pumps. Remove and provide new pump isolation valves. Replace existing motor controls with new soft starters. Corrosion control and repainting of all interior piping.	Const	375,000	-	-	375,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
7.	Waialeale Wells II: Repair of Pumping Unit	Remove and provide new pump building, cast in place concrete foundation with curb walls. Remove and provide new pump, motor, column pipe, lineshaft, discharge head assembly, air line, valves, and flow tube. Provide new solid-state soft start motor starter and PLC control. Provide new PLC controller. Include isolation valve to waste discharge.	Const	550,000	-	-	550,000
8.	Nuuanu Booster II: Repair of Pumping Unit	Remove and provide new pump building, cast in place concrete foundation with curb walls. Remove and provide new one (1) booster pump, valves, piping, electrical components, etc. Provide new emergency booster pump suction and discharge connections. Provide new wall mounted disconnects, lighting, light switches, etc.	Const	250,000	-	-	250,000

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Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
9.	Mariners Ridge Booster I: Repair of Pumping Units	Replace 2 existing pumps and motors shown including diaphragm and butterfly valves. Replace the existing two check valves and four rubber-seated butterfly valves on suction and discharge lines of the pumping units in the basement of the pump station. Install new motor control center (MCC). Replace existing low voltage transformers and panel, which are used primarily for lighting and control power. Corrosion control and repaint all interior piping.	Const	263,000	-	-	263,000

Board of Water Supply
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Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
10.	Aina Koa Booster I: Repair of Pump No. 2	Replace pump motor no. 2. Replace altitude valve along with existing solenoid control valves and control panel. Replace existing rubber-seated butterfly valves at the suction and discharge lines of Pump No. 2. Replace gate valves at emergency discharge piping in the pump building . Replace existing cracked drain pipes, including fittings, in the pump building basement. Replace compressor located in the utility room. Corrosion control and repaint all interior piping.	Const	175,000	-	-	175,000
11.	Punaluu Wells II: Repair of Pump No 2 and No 5, Part A	Repair Pumps No. 2 and No. 5 including electrical.	Const	250,000	-	-	250,000
12.	Wahiawa Wells I Unit 3 Rehabilitation	Rehabilitate well unit 3 by extending existing well casing (drill and clear existing bore, drill additional 100 feet, install steel casing, transition casing and video log.	Const	375,000	-	-	375,000
13.	Haiku Well Renovation	Replace pumping units, valves, discharge piping, conduits, power, control wiring and MCC.	Const	2,000,000	-	-	2,000,000

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Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
14.	Waiau Wells and Booster Renovation	Replace motors, discharge piping and valves, chlorinators, MCC and wiring.	Const	2,400,000	-	-	2,400,000
15.	Kaamilo Booster Renovation	Replace pumping units, discharge valves, and piping.	Const	950,000	-	-	950,000
16.	Aiea Booster No. 3 Renovation	Replace pumping units, discharge valves, piping, and install emergency pump connection.	Const	1,050,000	-	-	1,050,000
17.	Waialae Iki Well Renovation	Replace pump unit, MCC, conduits, controls, and wires.	P&E	150,000	-	-	150,000
18.	Mililani Wells II Improvements	Install permanent PRV assembly for system operations.	P&E	150,000	-	-	150,000
19.	Beretania Pump Station Renovation	Replace 4 pump units (3 low and 1 high service), valves, piping, MCC, cables, controls and wires.	P&E	130,000	-	-	130,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
20.	Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	P&E	500,000	-	-	500,000
A. Pumps - Total				10,268,000	-	-	10,268,000
B. Reservoirs							
21.	Wilhelmina Rise 811 Reservoir Replacement	Replace existing 0.43 MG reservoir and appurtenances.	Const	2,500,000	-	-	2,500,000
B. Reservoirs - Total				2,500,000	-	-	2,500,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
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C. Pipelines

22.	Kalihi Water System Improvements, Part III	Install 8-inch and 4-inch mains and appurtenances along Bannister Place from Bannister Street to dead end. Install 8-inch mains and appurtenances along Bannister Street from Laumaka Street to North King Street; along Gulick Avenue from Wilcox Lane to North King Street; along Kopke Street from Wilcox Lane to North King Street; along Factory Street from Stanley Street to North King Street; along Puuhale Road from Dillingham Boulevard to North King Street; along Wilcox Lane from Bannister Street to Puuhale Road; along Stanley Street from Bannister Street to Puuhale Road; along Waterhouse Street from Bannister Street to Puuhale Road; along Mokauea Street from Democrat Street to Kanakanui Street; and along Industrial Road from Waterhouse Street to Puuhale Road - approx. 9,650 lin. ft.	Const	-	-	5,300,000	5,300,000
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Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
23.	Water Main Replacement at Various Streets	Install 8-inch mains and appurtenances along Miller Street from Magellan Street to Prospect Street, along Frear Street from Magellan Street to end, along 13th and 14th Avenue from Waialae Avenue to Mahina Avenue, along Iholena Street from Lolena Street to end, along Iholena Place from Iholena Street to end, along Mikahala Way from Sierra Drive to Sierra Drive, along Komaia Place from Komaia Drive to end, along Hema Place from Hao Street to end and along Oswald Street from Saint Louis Drive to Saint Louis Drive - approx. 5,145 lin. ft.	Const	2,500,000	-	-	2,500,000
24.	Kilauea Avenue 8-Inch Main	Install 8-inch mains and appurtenances along Kilauea Avenue from 15th Avenue to 18th Avenue - Approx. 1,060 lin. ft.	Const	525,000	-	-	525,000

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Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
25.	Woodlawn Water System Improvements, Part II	Install 8-inch mains and appurtenances along Woodlawn Drive from Woodlawn Terrace Place to Alani Drive and along Seaview Rise from Woodlawn Drive to Paty Drive - approx. 2,630 lin. ft.	Const	1,200,000	-	-	1,200,000
26.	Ewa Beach Water System Improvements, Part II	Install 8-inch mains and appurtenances along Koalipehu Street from Paaloha Street to Aikanaka Road, along Aikanaka Road from Paaloha Street to Koalipehu Street, along Ihipehu Street from Aikanaka Road to Pohakupuna Road and along Peeone Place from Pohakupuna Road to end - approx. 2,700 lin. ft. Install 4-inch mains and appurtenances along the two side streets on Ihipehu Street and along the side street on Koalipehu Street - approx. 235	Const	1,040,000	-	-	1,040,000

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Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
27.	Fire Hydrant Installations at Various Locations in Kailua	Install fire hydrants and appurtenances along - Kaluamoo Street from Kainalu Drive to Kalaheo Avenue, along Makua Street from Kainalu Drive to Ohana Street, along Ohana Street to Kainalu Drive to Makua Street, along Kailua Road from Wanaao Road to Kalaheo Avenue, along Pouli Road from Wanaao Road to Aumoe Road, along Aumoe Road from Wanaao Road to Pouli Road and along Uluoa Street from Kailua Road to Manu Aloha Drive - approx. 12 fire	Const	150,000	-	-	150,000
28.	Hihimanu Street 20-Inch Main	Install 20-inch mains and appurtenances along Hihimanu Street from Kakaina Street to approximately 100 feet North of FH no. W02046.	Const	250,000			250,000
29.	Kuahea Street 8-Inch Main, Phase II	Install 8-inch mains and appurtenances along Kuahea Street from Waiomao Road to Kuahea Place - approx. 410 lin. ft.	Const	200,000			200,000
30.	Water Main Installation & Replacement	Install and replace water mains at various locations.	Const	100,000			100,000

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Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
31.	Palolo Water System Improvements, Part III	Install 12-inch mains and appurtenances along Palolo Avenue from Kiwila Street to Palolo Place and along 10th Avenue from Palolo Place to Ahe Street - approx. 5,220 lin. ft. Install 8-inch mains and appurtenances along Kaululoa Place from Palolo Avenue to end, along Palolo Avenue from Kauhana Street to Palolo Place, along 10th Avenue from Palolo Place to Ahe Street, and along Makanui Place from 10th Avenue to end - approx. 4,520 lin. ft. Install 4-inch mains and appurtenances along Holomua Place from Makanui Place to end - approx. 365 lin.	Const	4,700,000	-	-	4,700,000

Board of Water Supply
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Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
32.	Palolo Water System Improvements, Part IV	<p>Install 16-inch mains and appurtenances along Pakui Street from 10th Avenue to Wilhelmina Rise 405 Reservoir, along 10th Avenue from Maluhia Avenue to Pakui Street, along Maluhia Street from 10th Avenue to Pukele Avenue, along Pukele Avenue from 7th Avenue to Maluhia Avenue, along 7th Avenue from Kaau Street to Pukele Avenue, along Kaau Street from Palolo Avenue to 7th Avenue and along Palolo Avenue from Kaau Street to Waialae Avenue - approx. 5,185 lin. ft. Install 12-inch mains and appurtenances along Kalua Road from Mahana Street to 10th Avenue and along Maluhia Street from 10th Avenue to Mokuna Place - approx. 1,455 lin. ft. Install 8-inch mains and appurtenances along 9th Avenue from Paalea Street to Kiwili Street - approx. 2,410 lin. ft.</p>	Const	4,700,000	-	-	4,700,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
33.	Wahiawa Water System Improvements - Install 12-inch mains and appurtenances along California Avenue from Maalo Street to Mahele Street - approx. 2,100 lin. ft. Install 8-inch mains and appurtenances along California Avenue from Maalo Street to Auhili Place, Kaalalo Place, Lei Awapuhi Place, Lei Aloalo Place, Longley Place, Kukui Street, Olive Street from Kamehameha Highway to Cypress Avenue, Ohai Street, Ohai Place, Milikana Place, Koele Way, Kilani Avenue from Lehua Street to Holoku Place, Kamehameha Highway from California Avenue to Avocado Street, and along Nihiwai Place and Hiwi Place -		P&E	500,000			500,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
34.	Wilhelmina Rise Water System Improvements, Part V	Install 12-inch mains and appurtenances along Wilhelmina Rise from Sierra Drive to Sierra Drive, along Sierra Drive from 110 feet west of fire hydrant M-4010 to Maunalani Circle, along Maunalani Circle from Sierra Drive to Sierra Drive, and within the Wilhelmina Rise 811 and 1100 Reservoir sites - approx. 4,610 lin. ft. Install 8-inch mains and appurtenances along Halehoola Place from Sierra Drive to end and along Mana Place from Maunalani Circle to end - approx. 965 lin. ft.	P&E	280,000			280,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
35.	Pacific Heights Water System Improvements, Part II	Install 12-inch main and appurtenances along Pacific Heights Road from Haili Road to Ahekol Street, along Ahekol Street from Pacific Heights Road to Booth Road, along Booth Road from Ahekol Street to Kekuanoni Street - approx. 4,800 lin. ft. Install 8-inch main and appurtenances along Laniloa Road from Pacific Heights Road to end, along Pacific Heights Place from Pacific Heights Road to end, along Hiolani Street from Booth Road to end and along various side streets - approx. 2,055 lin. ft.	P&E	250,000			250,000
36.	Aiea Kai Place and Way 8-inch Mains	Install 8-inch mains and appurtenances along Aiea Kai Place from Kamehameha Highway to end and along Aiea Kai Way from Aiea Kai Place to end - approx. 1,260 lin. ft.	P&E	90,000	-	-	90,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
37.	Niumalu Loop and Kukii Street 8-inch Main	Install 8-inch mains and appurtenances along Niumalu Loop from Kamilo Street to Kamilo Street and along Kukii Street from Kamilo Street to Niumalu Loop - approx. 2,755 lin. ft.	P&E	140,000			140,000
38.	Manoa Estates Water System Improvements	Install 12-inch mains and appurtenances along Waaloa Way from Waaloa Place to Manoa Chlorinator - approx. 1,630 lin. ft. Install 8-inch mains and appurtenances along Manoa Estates Road from Pinoa Street to Waaloa Way - approx. 1,290 lin. ft.	P&E	140,000	-	-	140,000
39.	Fire Hydrant Installations at Various Locations	Fire hydrant installations at various locations.	P&E	100,000	-	-	100,000
40.	Water Main Installation & Replacement	Install and replace water mains at various locations.	P&E	100,000	-	-	100,000
C. Pipeline - Total				16,965,000	-	5,300,000.00	22,265,000
D. Treatment				-	-	-	-
D. Treatment - Total				-	-	-	-

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
E. Facilities							
41.	Slope Stabilization at Various Facilities	Slope stabilization at Keanu Tunnel, Waialae 180 and Waialae Iki 180 Reservoirs.	Const	2,700,000	-	-	2,700,000
42.	Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	Const	3,000,000	-	-	3,000,000
43.	Nuuanu Reservoir No. 4 Dam Improvements	Rehabilitate reservoir intake structure.	Const	1,500,000	-	-	1,500,000
44.	Kailua Pressure Reducing Valve Replacement	Replace Kailua PRV by Castle Medical Center in preparation for replacing the Maunawili PRV.	Const	400,000	-	-	400,000
45.	Kamaile Plantation Wells Sealing	Seal up to 13 unused plantation wells around Kamaile Wells Station.	Const	325,000	-	-	325,000
46.	Waimalu Wells I Drainage Improvements	Install drainage improvements within BWS property.	Const	800,000	-	-	800,000
47.	Security Fencing at Various Locations	Install expanded metal fencing at selected BWS facilities.	Const	600,000	-	-	600,000
48.	BWS Facilities Master Plan	Prepare a master plan to maximize the use of BWS facilities.	P&E	400,000	-	-	400,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
49.	Kamiloiki and Kalama Valley Pressure Reducing Valves	PRV Feasibility and Site Study to reduce high pressures in the Kamehame 500 system in Kamiloiki and Kalama Valley.	P&E	150,000	-	-	150,000
50.	Security Fencing at Various Locations	Install expanded metal fencing at selected BWS facilities.	P&E	100,000	-	-	100,000
51.	Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	P&E	400,000	-	-	400,000
52.	Customer Information System, Phase II		P&E	909,000	-	-	909,000
53.	Maximo Upgrade	Upgrade computerized maintenance management system software version and implement features to improve system performance and adhere to operational best practices.	P&E	2,190,000	-	-	2,190,000
54.	Nalu Upgrade	Upgrade financial accounting system software version to address support and compatibility issues.	P&E	765,000	-	-	765,000
55.	IT Project Management	Project management services for IT applications.	P&E	1,400,000	-	-	1,400,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
56.	Professional Services for BWS Projects	Obtain services of archaeologists, botanists, environmental engineers, water quality labs, planners, government agencies and others.	P&E	800,000	-	-	800,000
E. Facilities - Total				16,439,000	-	-	16,439,000
Total Category II - RENEWAL AND REPLACEMENT				46,172,000	-	5,300,000	51,472,000
 III. CAPACITY EXPANSION							
A. Pumps							
A. Pumps - Total				-	-	-	-
 B. Reservoirs							
57.	Kalawahine 180 2.0 MG Reservoir	Install 2.0 MG reservoir and appurtenances (TMK: 2-4-43:82).	Const	-	8,000,000	-	8,000,000
58.	Aina Haina 170 0.5 MG Reservoir No. 2	Prepare Environmental Assessment.	P&E	-	150,000	-	150,000
B. Reservoirs - Total				-	8,150,000	-	8,150,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
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C. Pipelines

59.	Kamehameha Highway-Sunset Beach Water System Improvements, Part I	Install 16-inch main and appurtenances along Kamehameha Highway from fire hydrant C-6 (300 feet north of Kaunala Street) to 600 feet south of Paumalu Stream (Sunset Beach 206 Reservoir access road) - approx. 5,300 lin. ft.	Const	-	3,500,000	-	3,500,000
60.	Kalakaua Avenue Water System Improvements	Feasibility study to determine the appropriate installation method(s) for the installation of 16-inch mains and appurtenances along Kalakaua Avenue from Beretania Street to Kapiolani Boulevard, from ala Wai Bridge to Kaiulani Avenue, and from Monsarrat Avenue to Dillingham fountain - approx. 11,960; and the installation of 12-inch mains and appurtenances along Saratoga Road from Kalakaua Avenue to Kalia Road - approx. 1,200 lin. ft.	P&E	-	200,000	-	200,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
61.	Ala Moana Boulevard 16-inch Main	Install 16-inch main and appurtenances along Ala Moana Boulevard from Ward Avenue to Atkinson Drive - approx. 6,200 lin. ft.	P&E	-	350,000	-	350,000
C. Pipelines - Total				-	4,050,000	-	4,050,000
D. Treatment				-	-	-	-
D. Treatment - Total				-	-	-	-
E. Facilities							
62.	Wireless Communication System	Install wireless point-to-point and point-to-multi-point relay links island-wide and connect pump stations and reservoirs to the BWS wireless network.	Const	2,830,000	-	-	2,830,000
63.	Security Camera Systems	Install computer network-based security camera systems (camera, lights, speakers and motion detectors) at critical pump stations and reservoirs.	Const	300,000	-	-	300,000

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
64.	Project Information Management System	Formulate, install and implement project information management system. Administer and operate project management program and training.	Const	1,000,000	-	-	1,000,000

E. Facilities - Total

4,130,000	-	-	4,130,000
4,130,000	12,200,000	-	16,330,000

Total Category III - CAPACITY EXPANSION

Total Category I - RESEARCH AND DEVELOPMENT	5,710,000	-	800,000	6,510,000
Total Category II - RENEWAL AND REPLACEMENT	46,172,000	-	5,300,000	51,472,000
Total Category III - CAPACITY EXPANSION	4,130,000	12,200,000	-	16,330,000
	56,012,000	12,200,000	6,100,000.00	74,312,000

Construction Cost Index Adjustment	4,086,800	1,150,000	530,000	5,766,800
Contract Adjustment Account	2,100,000			2,100,000
	6,186,800	1,150,000	530,000	7,866,800

Board of Water Supply
Capital Improvement Program Budget
FY 2013 - 2014

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	TOTAL
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FY 2013 - 2014 CAPITAL IMPROVEMENT PROGRAM BUDGET	62,198,800	13,350,000	6,630,000	82,178,800
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"May 28, 2013

AMENDMENT
NO. 1 TO
RESOLUTION
NO. 832, 2012

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

Chairman and Members:

Subject: Amendment No. 1 to Resolution No. 832, 2012,
Acceptance of Gifts to the Board of Water Supply
from Various Donors in Support of the 2013 Water
Conservation Week Program

Attached is Resolution No. 832, 2012, Acceptance of Gifts to the Board of Water Supply from Various Donors in Support of the 2013 Water Conservation Week Program, which was approved on December 17, 2012.

We recommend the adoption of the attached Amendment No. 1 to Resolution No. 832, 2012, that accepts additional gifts to the Board of Water Supply (BWS), City and County of Honolulu, in support of the 2013 Water Conservation Week (WCW) Program. The additional donors, Pasha Hawaii, Hard Rock Café Honolulu, and Hawaii Pizza Hut, have contributed gifts totaling \$1,678.00:

<u>Donor Name</u>	<u>Amount</u>
Pasha Hawaii	\$ 500.00
Hard Rock Café Honolulu (Cookies for awards ceremony reception refreshments, and gift cards and merchandise for the award recipients and teachers' gift bags)	1,000.00 (in-kind)
Hawaii Pizza Hut (Ten large pizzas for the awards ceremony reception refreshments)	178.00 (in-kind)

This amount, together with the previous sponsorship donations of \$18,000.00, brings the total value of donations to \$19,678.00.

Respectfully submitted,

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

Attachments"

DISCUSSION

Mr. Lau commended the Communications Office for their great job in working with these longtime supporters, as well as the new supporters, of the Water Conservation Program.

MOTION TO
ADOPT
AMENDMENT
No. 1 TO
RESOLUTION
NO. 832, 2012

Mahealani Cypher motioned to adopt Amendment No. 1 to Resolution No. 832, 2012, Acceptance of Gifts to the Board of Water Supply from Various Donors in Support of the 2013 Water Conservation Week Program. The motion was seconded by Theresia McMurdo and unanimously carried.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

AMENDMENT NO. 1 TO RESOLUTION NO. 832, 2012

ACCEPTANCE OF GIFTS TO THE BOARD OF WATER SUPPLY
FROM VARIOUS DONORS IN SUPPORT OF THE
2013 WATER CONSERVATION WEEK PROGRAM

WHEREAS, Resolution No. 832, 2012, which recommended the acceptance of monetary gifts from various donors totaling \$18,000.00, in support of the Water Conservation Week Program, was approved on December 17, 2012; and

WHEREAS, additional donors Pasha Hawaii, Hard Rock Café Honolulu, and Hawaii Pizza Hut are offering monetary and in-kind gifts totaling \$1,678.00, bringing the total value of donations in support of the Water Conservation Program to \$19,678.00; and

WHEREAS, gifts to the BWS are beneficial because it promotes and assists public programs such as the BWS's Water Conservation Week public education program and reduces the need for expenditure of ratepayer funds to support the program's key components; and

WHEREAS, the gifts will be used to offset reasonable and necessary costs of the printing and delivery of 20,000 Water Conservation Calendars featuring the contests' winning entries, as well as an awards ceremony to recognize the winning students and honorable mentions; now, therefore,

BE IT RESOLVED that the Board of Water Supply hereby accepts the additional gifts valued at \$1,678.00 and directs the Manager and Chief Engineer, or his delegate, to accept and thank the various donors for these gifts.

ADOPTED:

/s/ Duane R. Miyashiro
DUANE R. MIYASHIRO
Chairman

Honolulu, Hawaii
May 28, 2013

AMENDMENT NO. 1 TO RESOLUTION NO. 832, 2012, WAS ADOPTED AT THE MAY 28, 2013 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO	X		
ADAM C. WONG	X		
KAULANA H. R. PARK	X		
ROSS S. SASAMURA	X		
GLENN M. OKIMOTO	X		

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843



December 17, 2012

PETER B. CARLISLE, MAYOR

DUANE R. MIYASHIRO, Chairman
MAHEALANI CYPHER, Vice Chair
THERESIA C. McMURDO
ADAM C. WONG
KAULANA H. R. PARK

KENNETH A. SHIMIZU, Ex-Officio
GLENN M. OKIMOTO, Ex-Officio

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

ELLEN E. KITAMURA, P.E.
Deputy Manager and Chief Engineer

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

Chairman and Members:

Subject: Adoption of Resolution No. 832, 2012, Acceptance of Gifts
to the Board of Water Supply from Various Donors in Support
of the 2013 Water Conservation Week Program

We recommend acceptance of the proposed gifts to the Board of Water Supply (BWS), City and County of Honolulu, from various donors in support of our 2013 Water Conservation Week (WCW) Program. The donors' total value of these gifts is \$18,000.00:

<u>Donor Name</u>	<u>Amount</u>
Hawaii Energy	\$10,000.00
Friends of Halawa Xeriscape Garden	\$ 2,000.00
Times Supermarkets	\$ 2,000.00
Matson Foundation	\$ 2,000.00
Alexander and Baldwin Foundation	\$ 1,000.00
Aloha Pacific Federal Credit Union	\$ 500.00
BWS Federal Credit Union	\$ 500.00

The BWS's WCW program is a successful and dynamic public education campaign that promotes the importance of water efficiency to Oahu's students in grades Kindergarten through 12. Studies show that when good water management and conservation practices are taught at an early age, the students will be more likely to adopt a water-efficient lifestyle, while also helping to influence behavioral changes in their parents, and eventually pass these practices on to their children. The BWS hopes this will continue on through successive generations.

The donations from these private companies will help the BWS offset program costs that include the printing of 20,000 copies of the 2014 Water Conservation Calendars that feature the winning entries, as well as an awards ceremony for winners and honorable

Chairman and Members
December 17, 2012
Page 2

mentions of the 2013 WCW Poster and Poetry contests. The calendars are distributed to all Oahu schools, elected officials, and the general public.

We deeply appreciate the continued support of this Board for this very valuable and worthwhile public education program. All participants in our WCW program are encouraged to always embrace their roles as responsible stewards of our precious water resource.

Respectfully submitted,



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

Attachment

APPROVED

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 832, 2012

ACCEPTANCE OF GIFTS TO THE BOARD OF WATER SUPPLY
FROM VARIOUS DONORS IN SUPPORT OF THE
2013 WATER CONSERVATION WEEK PROGRAM

WHEREAS, the Board of Water Supply's (BWS) Water Conservation Week program is an annual activity that uses a poster and poetry contest to educate Oahu's youth about the importance of using water efficiently and features the winning and honorable mention entries in an annual Water Conservation Calendar; and

WHEREAS, the BWS may solicit gifts to the Department as long as it does not provide special consideration, treatment, advantage, privilege, or exemption for or coerces a potential donor; and

WHEREAS, the BWS will solicit for gifts on its agency website, which is available for access by any interested person or business, as well as on its procurement website; and


WHEREAS, Hawaii Energy, Friends of Halawa Xeriscape Garden, Times Supermarkets, Matson Foundation, Alexander and Baldwin Foundation, Aloha Pacific Federal Credit Union, and the BWS Federal Credit Union are offering gifts totaling \$18,000.00 in support of the 2013 Water Conservation Week program; and

WHEREAS, gifts to the BWS are beneficial because it promotes and assists public programs such as the BWS's Water Conservation Week public education program and reduces the need for expenditure of ratepayer funds to support the program's key components; and

WHEREAS, the gifts will be used to offset reasonable and necessary costs of the printing and delivery of 20,000 Water Conservation Calendars featuring the contests' winning entries, as well as an awards ceremony to recognize the winning students and honorable mentions; now, therefore,

BE IT RESOLVED that the Board of Water Supply hereby accepts the various gifts valued at \$18,000.00 and directs the Manager and Chief Engineer, or his delegate, to accept and thank the various donors for these gifts.

ADOPTED:



DUANE R. MIYASHIRO
Chairman

Honolulu, Hawaii
December 17, 2012

TOPICS FOR
FUTURE BOARD
MEETINGS

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

Chairman and Members:

Subject: Topics for Future Board Meetings

We would like to take this time to allow the members of the Board to inform us of any topic or concern pertaining to Board of Water Supply operations that the Board would want addressed at future Board Meetings.

Respectfully submitted,

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

DISCUSSION

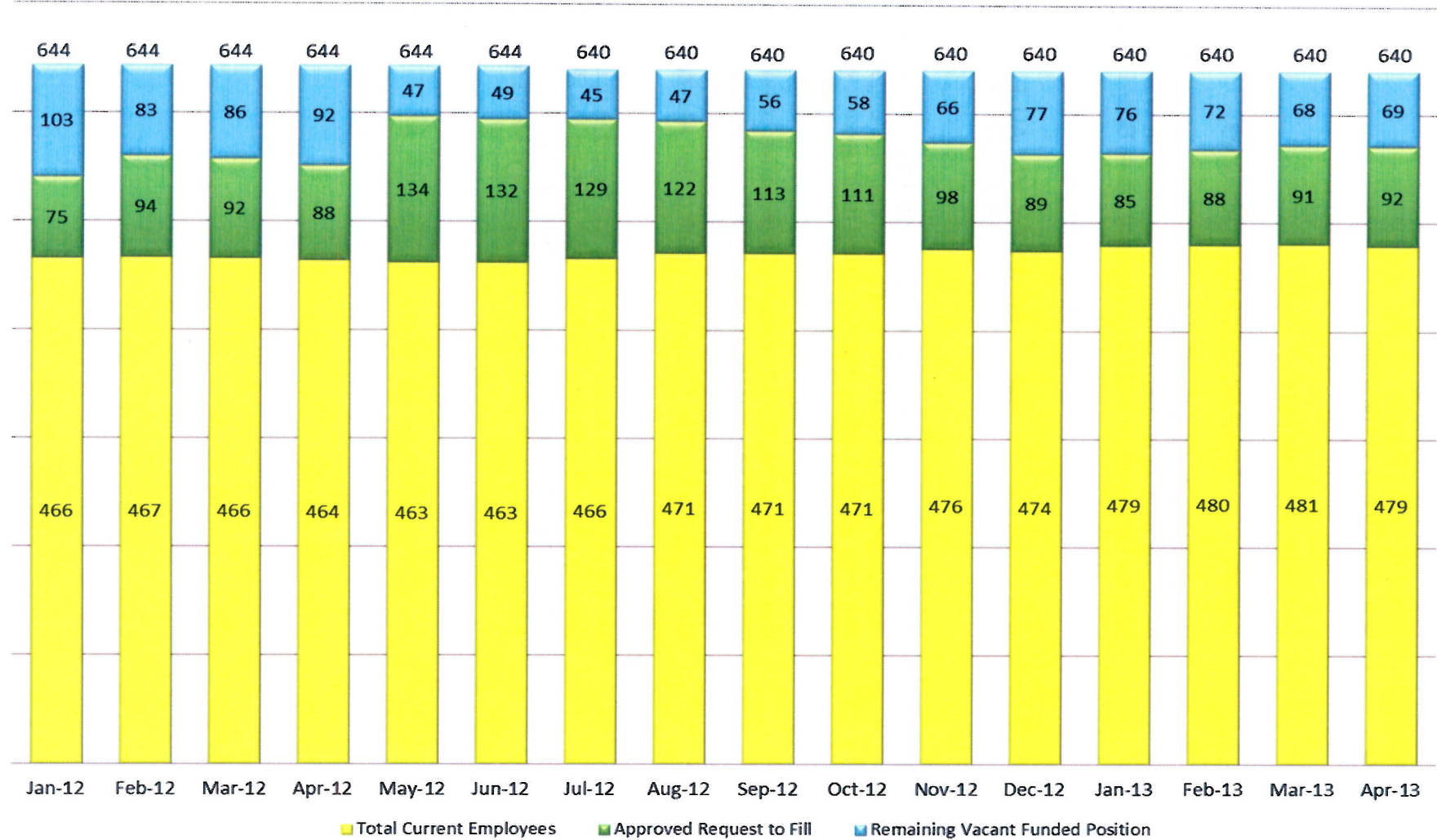
Ms. Cypher requested that the Department look into a lifeline rate; a discounted rate for customers with financial challenges. Mr. Lau stated that they will be looking into this during their upcoming rate study as part of their BWS master plan project.

Board Member McMurdo requested a proactive communications plan which includes key messages about the Department's spending, the rate increases, and the rationale behind BWS's actions. Mr. Lau thanked Ms. McMurdo and Ms. Cypher for offering their assistance to develop this plan.

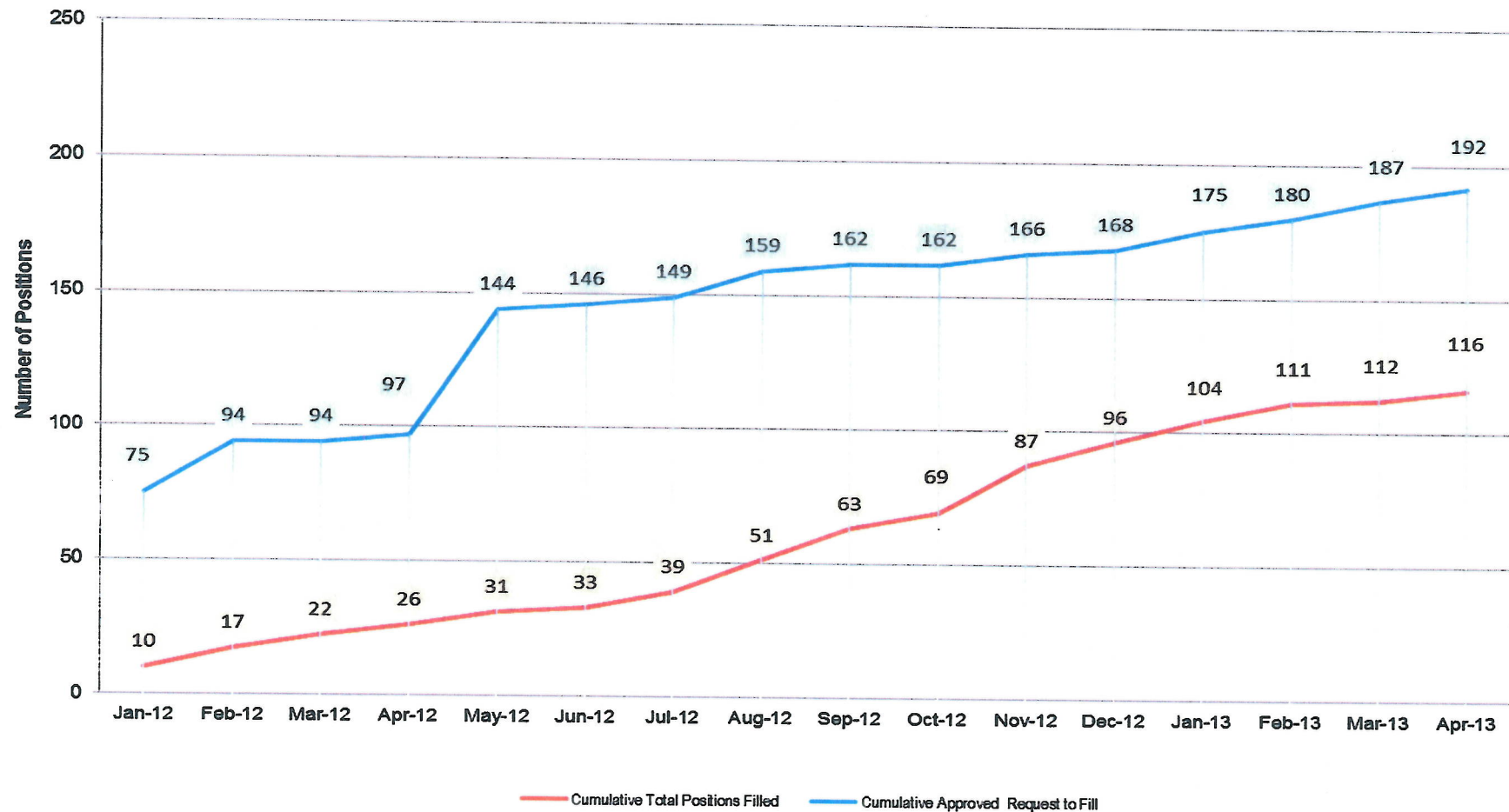
Mr. Lau stated that he will be briefing the Board in upcoming meetings on the City Council's Resolution No. 13-62 (Urging the BWS to Implement a Billing Program that Does Not Increase Costs to Rate-Payers) and also on a Human Resources plan requested by Board Member Wong.

ITEM FOR INFORMATION NO. 1

Positions Filled January 1, 2012 through April 30, 2013



Cumulative Totals January 1, 2012 through April 30, 2013



DISCUSSION

There were no comments or discussion.

ITEM FOR INFORMATION NO. 2

"May 28, 2013

GROUNDWATER
LEVELS

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

Chairman and Members:

Subject: Status Update of Groundwater Levels at All Index
Stations

There are three aquifer index wells within low groundwater status for the production week that ended on May 11, 2013. Punaluu and Kaimuki are in alert status, and Kaluanui is under a caution status. The weekly production average for the period was 128.00 million gallons per day.

The Board of Water Supply rainfall index for the month of April was 74 percent of normal, with a 5-month moving average of 93 percent. As of May 7, 2013, the U. S. Drought Monitor site reports no drought condition on the island of O'ahu. The National Weather Service is forecasting below normal precipitation amounts through October 2013. Head level recovery throughout the winter season was modest and water level declines can be anticipated through the summer season.

Respectfully submitted,

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

Attachments"

The foregoing was for information only.

DISCUSSION

Mr. Wong inquired about the National Weather Services' (NWS) prediction on overall precipitation being below normal and asked if this is the standard that everyone follows or if there are any other standards as far as forecasting. Water Resources Program Administrator Barry Usagawa stated that this is the parameter that they follow. It seems as though the NWS has extended the below normal from summer to October and that he has seen some above normal winters.

PUMPAGE, HEAD, AND RAINFALL REPORT

Week of 5/5/13 to 5/11/13

STATION	MGD	HEAD	STATION	MGD	HEAD	STATION	MGD	HEAD		MGD	HEAD
METRO			WINDWARD			EWA-WAIAANAE (CONT)			PH (CONT)		
KULIOUOU	0.00					MAKAHA IV	0.00		PEARL CITY II	1.02	
WAILUPE	0.00		WAIMANALO II	0.37		MAKAHA V	0.20		PEARL CITY III	0.38	
WAIALAE-IKI	0.00		WAIMANALO III	0.27		MAKAHA VI	0.00		WAIU	1.57	
AINA KOA	0.49		KUOU I	0.38		MAKAHA SHAFT	0.23	9.89	NEWTOWN	1.31	
AINA KOA II	0.73		KUOU II	0.10		KAMAILE	0.00		KAONOHI I	0.80	
WAIALAE SHAFT	0.00		KUOU III	0.35		WAIAANAE I	0.25		WAIMALU I	0.00	
MANOA II	1.07		LULUKU I	1.01		WAIAANAE II	0.16		AIEA	0.00	
PALOLO	1.16		HAIKU	0.28		WAIAANAE III	0.00		AIEA GULCH 497	0.44	
KAIMUKI HIGH	2.31	21.99	IOLEKAA	0.12		MAKAKILO	0.23		AIEA GULCH 550	0.33	
KAIMUKI LOW	0.94		KAHALUU	0.49		HONOULIULI I	0.61		HALAWA 277	0.00	
WILDER	9.73		WAIHEE	0.00		HONOULIULI II	6.96		HALAWA 550	0.00	
BERETANIA HIGH	4.24	22.74	KAHANA	0.00		SUBTOTAL:	9.13		KAAHUMANU MTR(-)	0.00	
BERETANIA LOW	1.40		PUNALUU I	0.00	15.81	IMPORT FROM PH			KAAMILO FLO MTR (-)	0.00	
KALIH I HIGH	0.69	22.23	PUNALUU II	1.47		KAPOLEI LINE BSTR	1.31		KUNIA I	5.04	18.80
KALIH I LOW	0.88		PUNALUU III	1.25		HONOULIULI LB FLOW	12.46		KUNIA II	1.97	
KAPALAMA	1.52		KALUANUI	1.30		EWA BEACH FLOW	3.24		KUNIA III	1.26	
KALIH I SHAFT	8.35		MAAKUA	0.80		HONOULIULI I (-)	-0.61		HOAEAE	6.21	
MOANALUA	1.52	19.00	HAUULA	0.16		HONOULIULI II (-)	-6.96		EWA SHAFT	0.00	
SUBTOTAL:	35.01					SUBTOTAL:	9.44		WAIPAHU INTCON. (-)	-1.66	
			KAHUKU	0.29					EWA-WAIAANAE (-)	-9.44	
IMPORT FROM PH			OPANA	1.04		PEARL HARBOR			PH LOCAL USE:	25.01	
HALAWA SHAFT	7.51	16.59	WAIALEE I	0.10		WAIHAWA	2.71		TOTAL SUBURBAN:	54.88	
KAAMILO	0.00		WAIALEE II	0.00		WAIHAWA II	0.00				
KALAUAO	8.68	17.05	SUNSET BEACH	0.00		MILILANI I	2.34		KALAUAO SPRINGS	0.75	
PUNANANI	9.60		SUBTOTAL:	9.78		MILILANI II	0.00		BARBERS POINT (NP)	0.86	
KAONOHI II	0.00					MILILANI III	0.68		GLOVER TUNNEL (NP)	0.54	
WAIMALU II	0.00	15.07	WIND. EXPORT	0.50		MILILANI IV	1.62				
KAAHUMANU	0.84					WAIPIO HTS.	0.07		HEAD CONDITION		
HECO WAIU	2.78		HALEIWA-WAIALUA			WAIPIO HTS. I	0.05		CAUTION	ALERT	CRITICAL
MANANA	0.01		HALEIWA	0.00		WAIPIO HTS. II	0.30		Kaluanui	Kaimuki	
KAHUMANU FLOW MT	0.00		WAIALUA	2.01		WAIPIO HTS. III	1.21			Punaluu	
KAAMILO FLOW MTR	0.00		SUBTOTAL:	2.01		WAIPAHU	1.66	18.50			
TOTAL IMP/EXP WAI. INT:	1.66					WAIPAHU II	0.48				
IMPORT FRM WIND:	0.50		EWA-WAIAANAE			WAIPAHU III	1.47				
SUBTOTAL:	31.57		MAKAHA I	0.08		WAIPAHU IV	2.68				
			MAKAHA II	0.07		PEARL CITY SHAFT	0.00	14.76			
TOTAL METRO:	66.58		MAKAHA III	0.36		PEARL CITY I	0.51				

CWRM PERMITTED USE FOR BWS POTABLE SOURCES						PUMPAGE	2013	2012	GRAVITY	2013	2012
	A	B	C	D	E	SUBURB.	54.88	62.99	SUBURB.	6.14	7.38
WATER DISTRICTS	PERMITTED USE	2013	DIFF. B-A	YEAR/ DATE	DIFF. D-A	METRO	66.58	68.59	METRO	0.41	0.37
						TOTAL:	121.46	131.58	TOTAL:	6.54	7.75
HONOLULU	45.27	35.42	-9.85						Manoa	0.17	
WINDWARD	25.21	12.82	-12.39			NUUANU #5			Palolo	0.24	
NORTH SHORE	4.08	3.44	-0.64			(rainfall)	1.08"	1.99"	Waim. I&II	0.20	
WAIHAWA	4.27	2.71	-1.56						Waim. III&IV	0.19	
WAIAANAE	4.34	2.50	-1.84						Waihee incl.	0.96	
EWA-KUNIA	15.88	7.79	-8.09						Waihee tun.	1.40	
PEARL HARBOR	92.66	62.81	-29.85						Luluku	0.14	
TOTAL:	191.71	127.49	-64.22						Haiku	0.00	
									Kahaluu	1.73	
									Waia. C&C	1.37	
									Waia plant.	0.14	

DROUGHT STATUS REPORT
DRAFT IN MGD

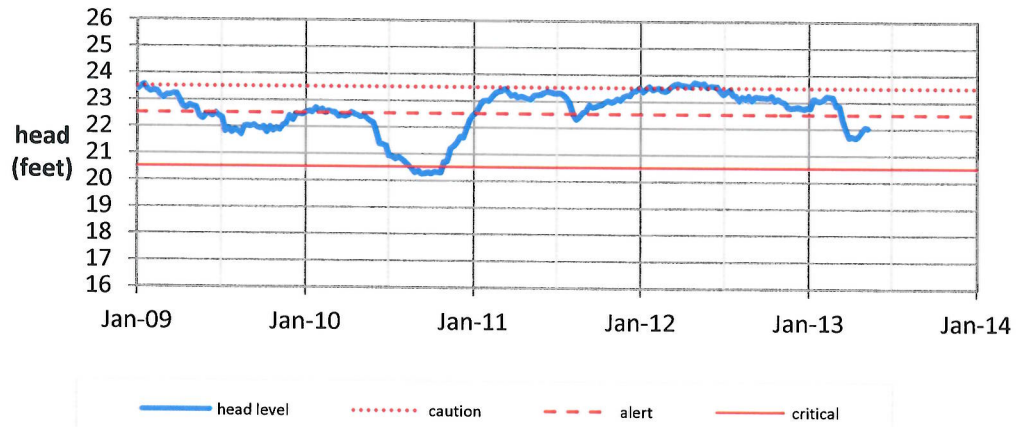
WATER USE DISTRICT	AUTHORIZED USE	2012	4/21-4/27 2013	2012	4/28-5/04 2013	2012	5/05-5/11 2013		
HONOLULU	45.27	29.91	33.10	30.80	37.55	31.10	35.92		
WINDWARD	25.21	16.05	11.44	15.44	12.64	14.33	12.47		
NORTH SHORE	4.08	3.35	3.58	3.32	3.83	3.55	3.44		
WAHIAWA	4.27	2.85	2.62	2.91	2.71	2.96	2.71		
EWA-WAIAANAE	20.22	22.37	19.47	24.16	19.93	25.26	20.09		
PEARL HARBOR	92.66	58.87	54.28	60.07	53.58	62.12	53.37		
TOTAL	191.71	133.40	124.50	136.70	130.24	139.33	128.00		

Accounts for in-district pumpage and transfers

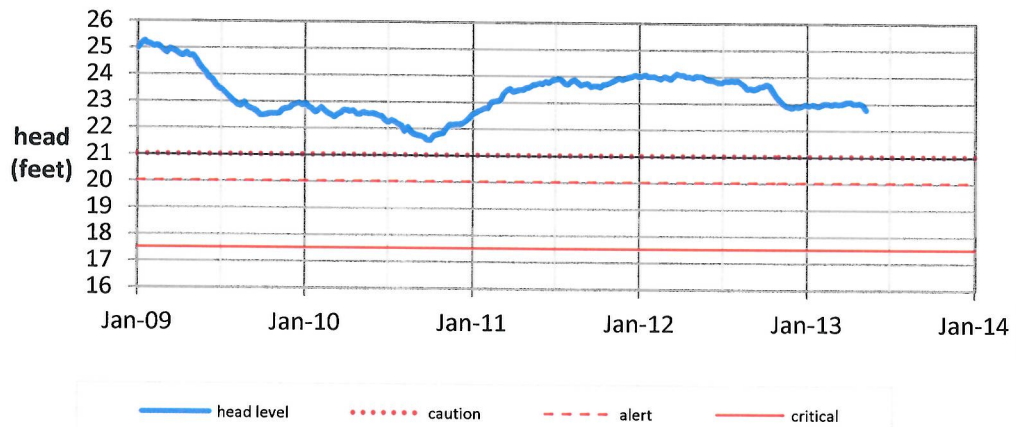
HEAD IN FEET

		2012	4/21-4/27 2013	2012	4/28-5/04 2013	2012	5/05-5/11 2013		
HONOLULU									
KAIMUKI		23.69	21.86	23.65	22.02	23.62	21.99		
BERETANIA		23.92	22.98	23.99	22.92	23.98	22.74		
KALIHI		22.93	22.26	22.96	22.26	22.96	22.23		
MOANALUA		19.27	19.03	19.23	18.98	19.21	19.00		
PEARL HARBOR									
HALAWA		16.71	16.58	16.67	16.55	16.60	16.59		
KALAUAO		17.33	17.00	17.31	17.01	17.29	17.05		
PEARL CITY		15.26	14.78	15.09	14.79	15.08	14.76		
WAIPAHU		18.78	18.42	18.75	18.42	18.68	18.50		
KUNIA		19.20	18.74	19.19	18.72	19.09	18.80		
EWA-WAIAANAE									
MAKAHA		13.57	10.02	12.89	9.81	12.38	9.89		
WINDWARD									
PUNALUU		16.68	15.71	16.63	15.68	16.60	15.81		
KALUANUI		16.64	15.55	16.54	15.66	16.51	15.73		
NORTH SHORE									
WAIALUA		11.21	11.02	11.21	11.05	11.23	11.07		

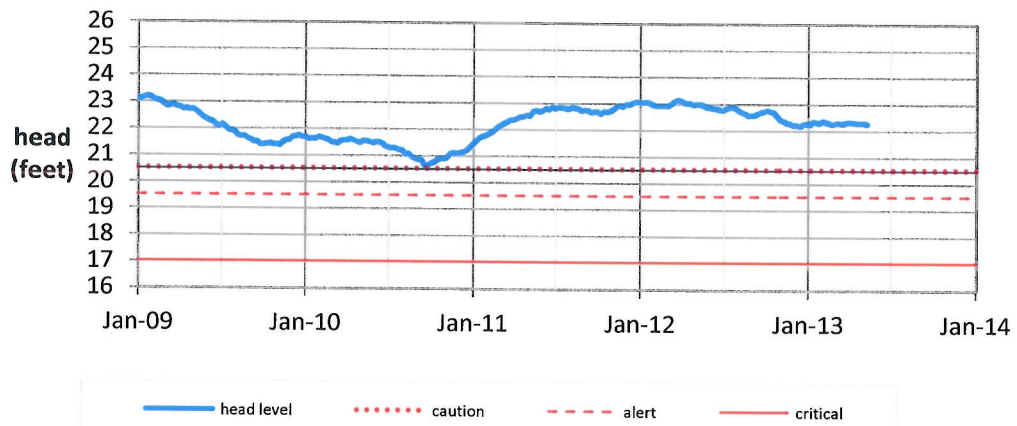
Kaimuki



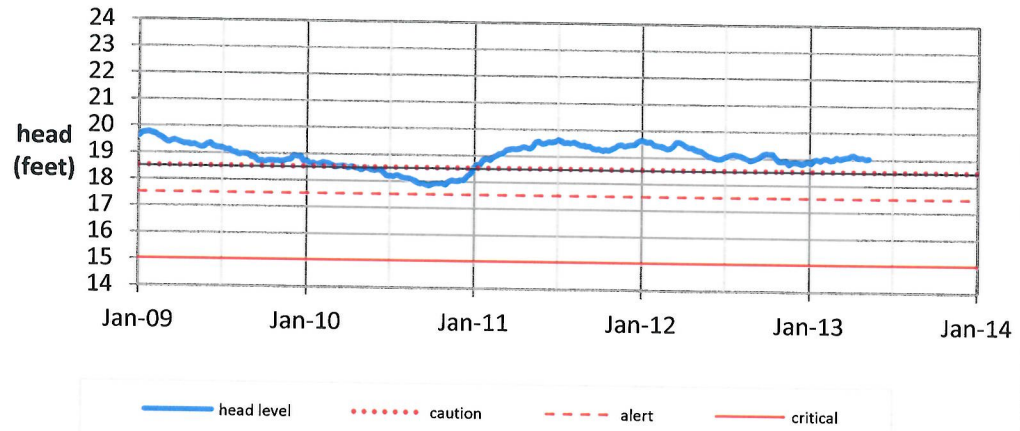
Beretania



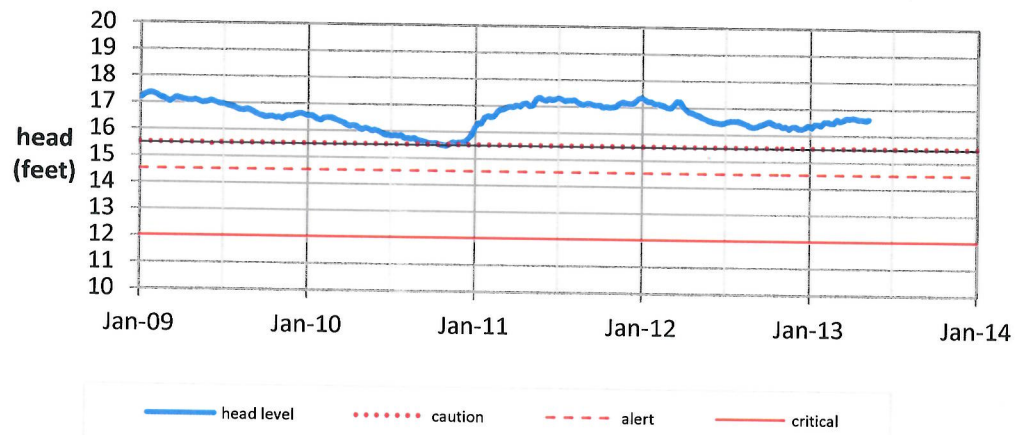
Kalihi



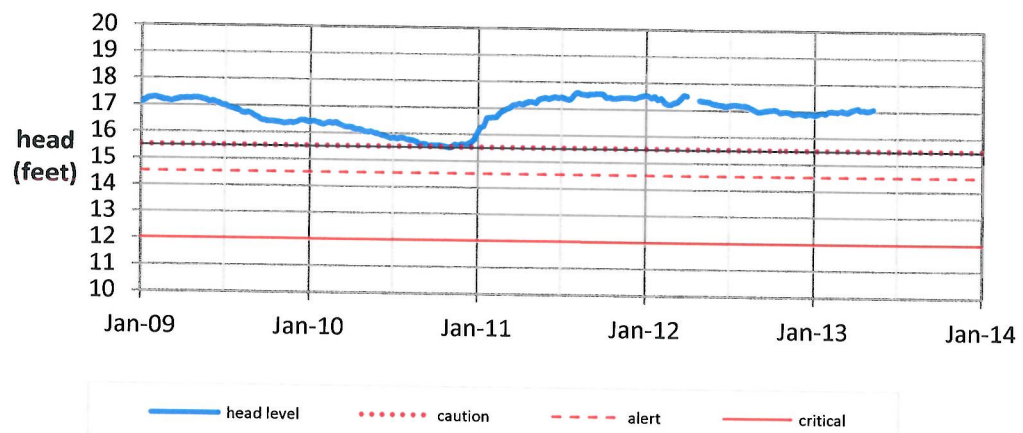
Moanalua



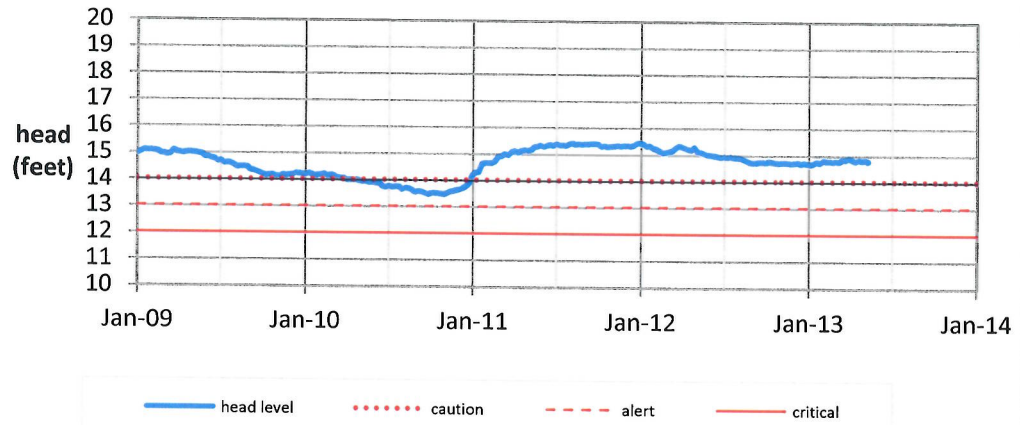
Halawa



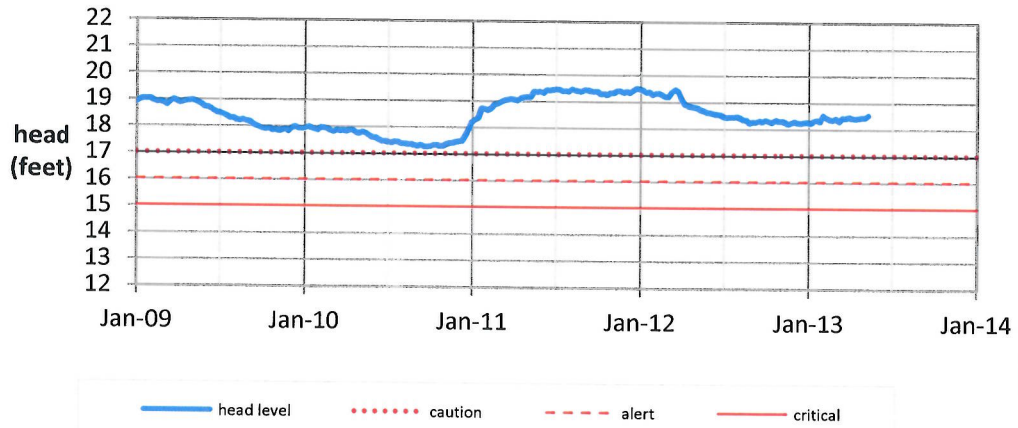
Kalauao



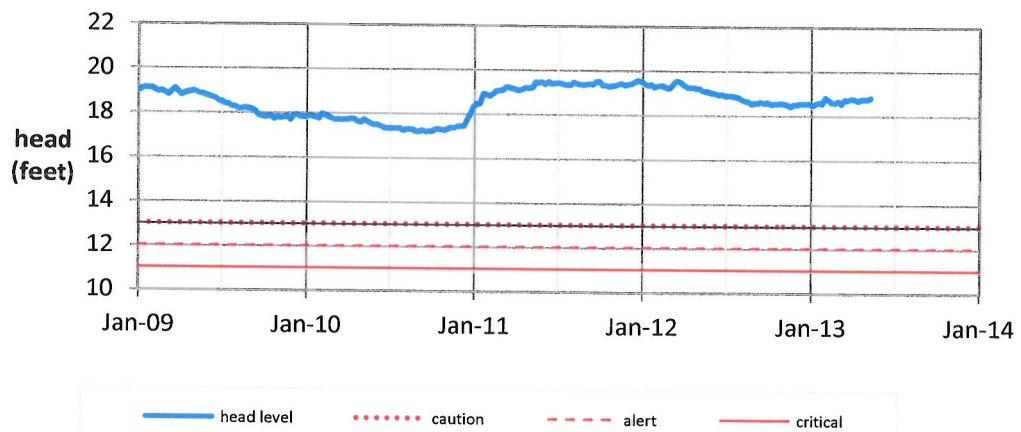
Pearl City



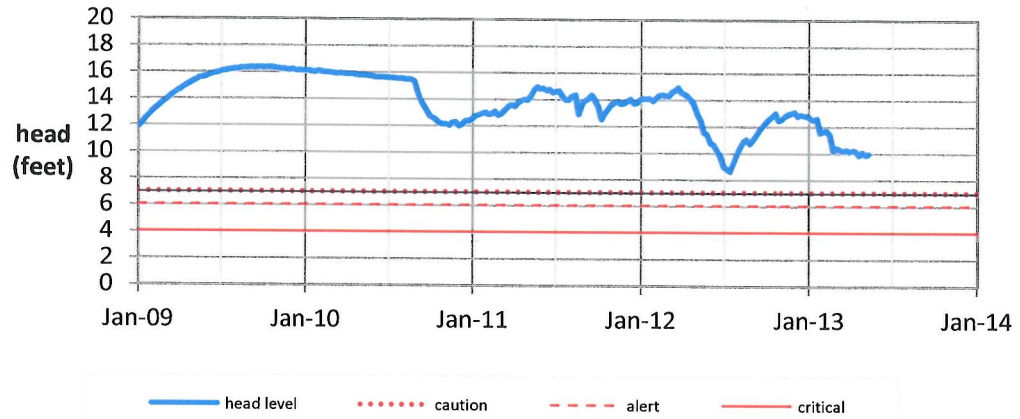
Waipahu



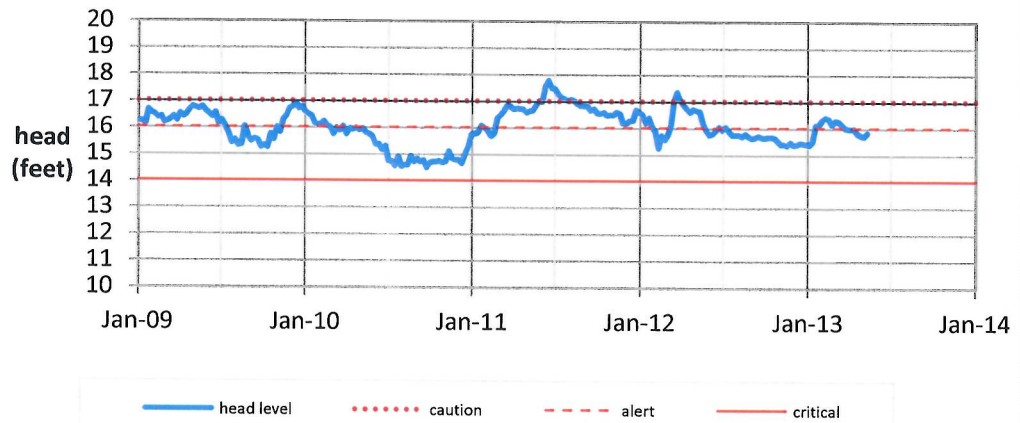
Hoeaee-Kunia



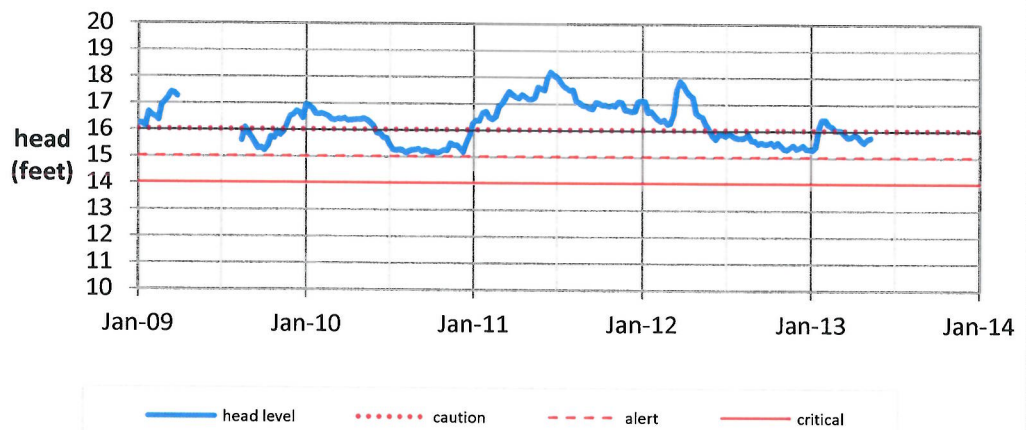
Makaha



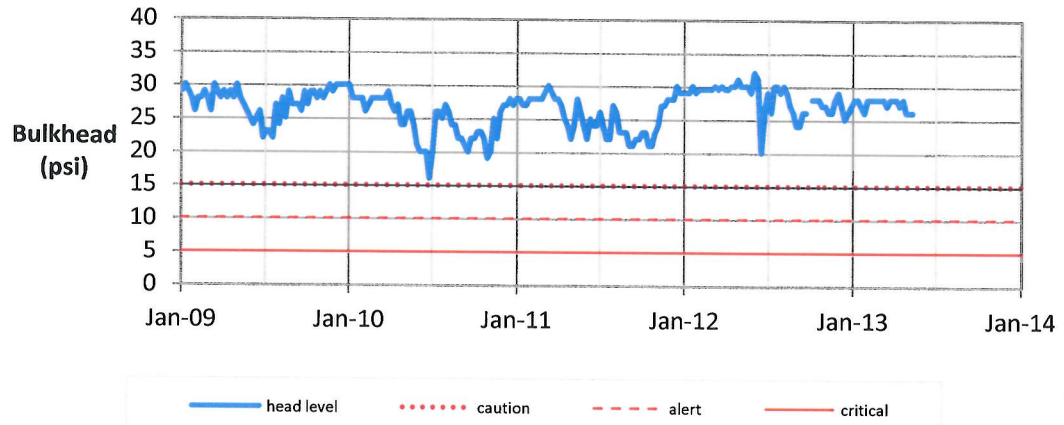
Punaluu



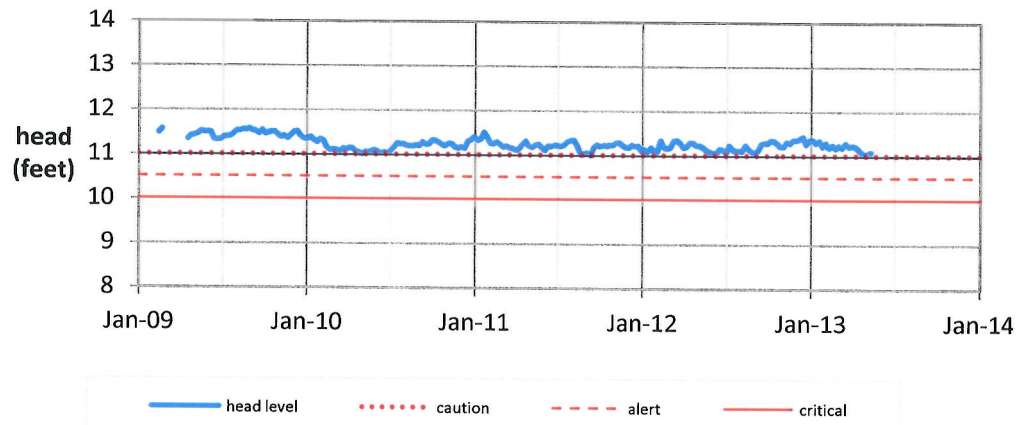
Kaluanui

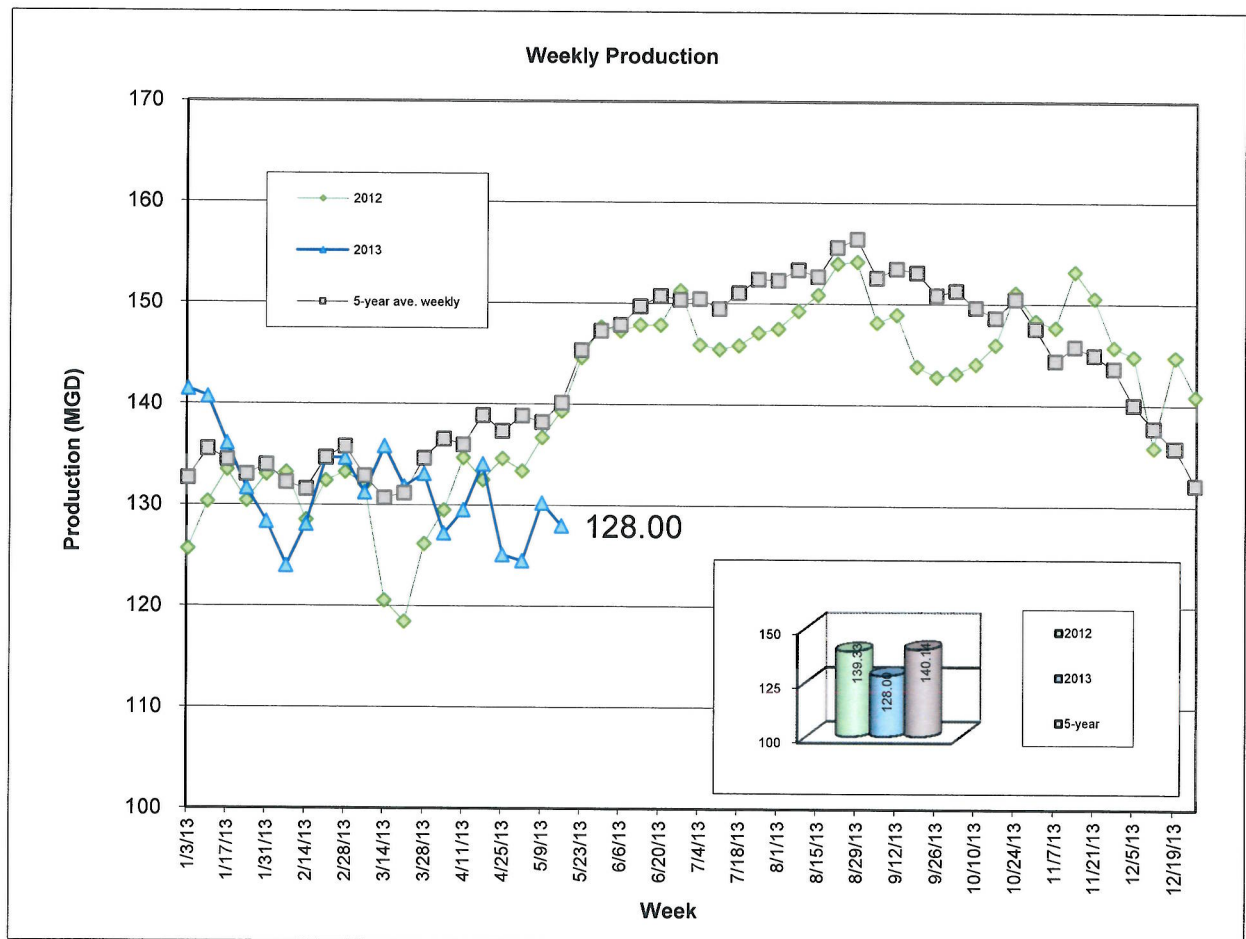
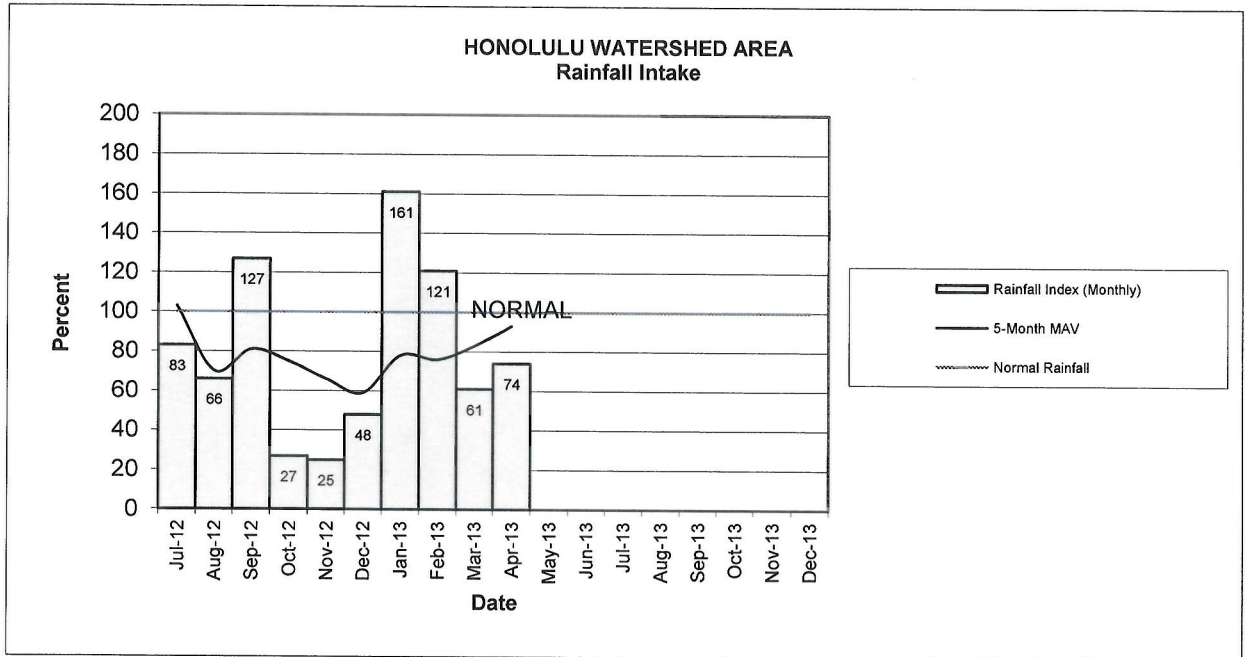


Waihee Tunnel



Waialua



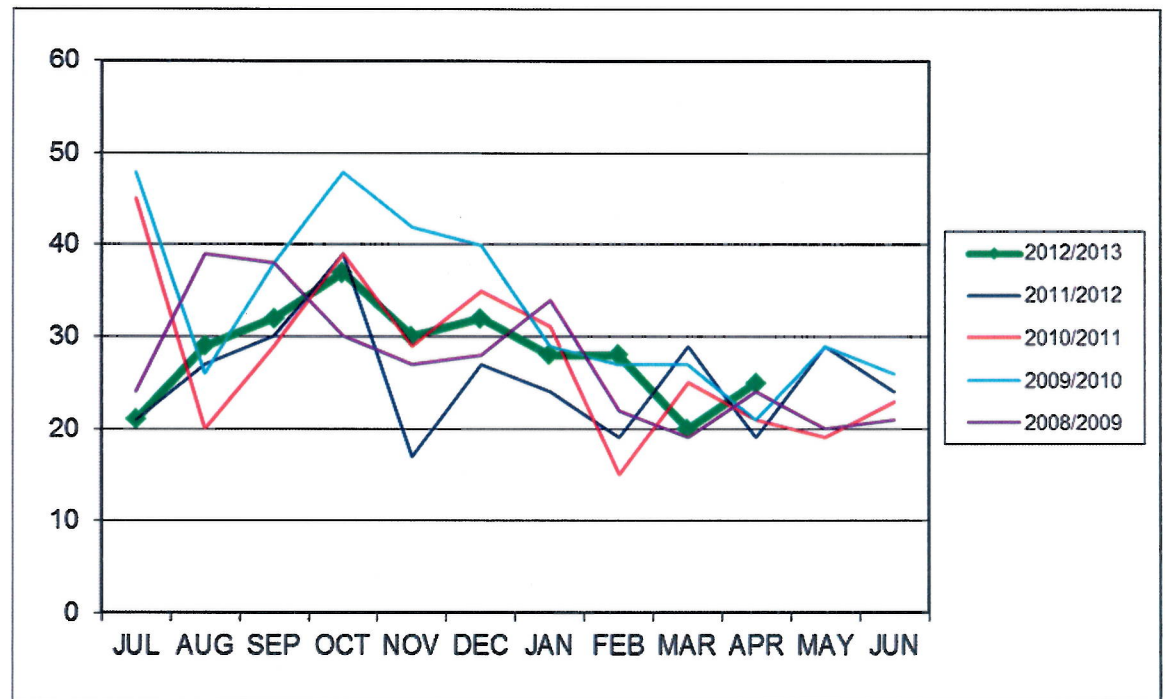


ITEM FOR INFORMATION NO. 3

WATER MAIN REPAIR REPORT for April 2013

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2012/2013	21	29	32	37	30	32	28	28	20	25			282
2011/2012	21	27	30	39	17	27	24	19	29	19	29	24	305
2010/2011	45	20	29	39	29	35	31	15	25	21	19	23	331
2009/2010	48	26	38	48	42	40	29	27	27	21	29	26	401
2008/2009	24	39	38	30	27	28	34	22	19	24	20	21	326

<u>Date</u>	<u>Address</u>	<u>Size</u>
4/1	190 Dowsett Ave.	8" C.I.
4/1	98-1905 Hoala St.	12" C.I.
4/2	210 Ward Ave.	12" C.I.
4/3	99-629 Kahilina Pl.	8" C.I.
4/4	24 Kuahiwi Ave.	6" C.I.
4/5	626 8th Ave.	6" C.I.
4/6	3631 Diamond Head Rd. 1850 Ala Moana Blvd.	12" C.I.
4/7	94-404 Hianakui St.	12" C.I.
4/9	10 Kilea Pl.	6" C.I.
4/10	1091 Keolu Dr.	12" C.I.
4/11	45-660 Loihi St.	4" C.I.
4/12	94-1087 Mauele St.	8" D.I.
4/12	3114 Monsarrat Ave.	6" C.I.
4/12	3011 Waiālae Ave.	8" C.I.
4/13	4 Aikahi Lp.	12" A.C.
4/16	2301 Kuhio Ave.	6" C.I.



4/18	639 Ulili St.	8" C.I.
4/19	1006 Kaluanui Rd.	12" C.I.
4/20	84-700 Kili Dr.	16" C.C.
4/20	1507 Evelyn Ln.	6" C.I. 12"
4/22	91-080 Hanua St.	P.V.C.
4/24	1888 Kalakaua Ave.	6" C.I.
4/27	905 Kokea St.	12" C.I.
4/28	59-266 Pupukea Rd.	12" C.I.

Bold * - Pro-active Leak
Repair

27 miles of pipelines were surveyed by the Leak Detection Team
in the month of April

DISCUSSION

Field Operations Program Administrator Daryl Hiromoto responded to Ms. Cypher's inquiry stating that a complaint was made that BWS crews took a long time to get to the recent McCully main break. He explained that the troubleshooters were there within an hour, which wasn't too bad considering the break occurred during rush hour and in a very congested area, on McCully and Kapiolani. Mr. Hiromoto explained that when the break occurs on a large main such as this, they need to systematically shut down the system, which means extending road closures further out in order to shut down valves one by one.

Ms. Cypher suggested that BWS make a video to show on Olelo to educate the people about the need to shut valves systematically to avoid surges that could cause other main breaks.

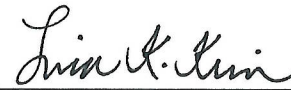
Mr. Lau informed the Board about comments he has heard about the great performance of the field crews, who work nonstop through the night to restore water as soon as possible.

MOTION TO
ADJOURN

There being no further business, Chair Miyashiro at 2:45 PM called for a motion to adjourn the Open Session. Mahealani Cypher so moved; seconded by Adam Wong and unanimously carried.

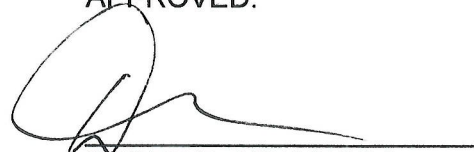
Respectfully submitted,

THE MINUTES OF THE PUBLIC HEARING AND REGULAR SESSION BOARD MEETING ON MAY 28, 2013 WERE APPROVED AT THE JUNE 24, 2013 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO	X		
ADAM C. WONG	X		
KAULANA H. R. PARK	X		
ROSS S. SASAMURA	X		
GLENN M. OKIMOTO			ABSENT



LISA K. KIM

APPROVED:



DUANE R. MIYASHIRO
Chairman of the Board

JUN 24 2013

Date