

MINUTES

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

May 27, 2014

The Public Hearing was held in the Board Room of the Public Service Building at 630 South Beretania Street, Honolulu, Hawaii, to Consider Adoption of the Operating and Capital Improvement Program Budget for the Fiscal Year 2014-2015 and Appropriating Funds Therefor.

Present: Duane R. Miyashiro, Chair
Mahealani Cypher, Vice Chair
Theresa C. McMurdo
Adam C. Wong
David C. Hulihee

Also Present: Ernest Lau, Manager and Chief Engineer
Ellen Kitamura, Deputy Manager and Chief Engineer
Alex Ubiadas
Barry Usagawa
Erwin Kawata
Daryl Hiromoto
Kevin Ihu
Paul Kikuchi
Jason Takaki
Stuart Wong
Neil Oyama
Mike Matsuo
Ron Wada
Karen Tom
Jennifer Elflein
Clayton Shimazu
Joe Cooper
Jill Kuramoto

Others Present: Winston Wong, Deputy Corporation Counsel
Marilyn Ushijima, Deputy Corporation Counsel
Chris Cleveland, Brown and Caldwell
Eric Iwamoto, Bowers + Kubota
Sophie Cocke, Civil Beat

Absent: Ross S. Sasamura
Ford N. Fuchigami

At 2:00 PM, Chair Miyashiro called to order the Public Hearing announcing that the purpose of the Public Hearing is to consider the proposed 2014-2015 Operating and Capital Improvement Program (CIP) Budget for the fiscal year (FY) beginning July 1, 2014. A notice of Public Hearing appeared in the May 16, 2014, Honolulu Star Advertiser newspaper.

Before beginning the Public Hearing, Mr. Miyashiro stated that the Board is dedicated to the provision of a safe, dependable and affordable supply of water to their customers. One of the best ways they ensure that this occurs is to thoughtfully 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, 2014, information on the budget was presented. The information outlined the Department's goals and objectives and the proposed Operating and CIP Budgets for the FY 2014-2015.

Before officially opening the Public Hearing, Ernest Lau, Manager and Chief Engineer of the Board of Water Supply explained that the Operating Budget provides for operational and maintenance costs for continuing water services to their customers; while the CIP Budget provides funding for research and facility replacement costs; as well as funding for major water system additions or expansions. The combined budgets propose total expenditures of \$254.8 million. Approximately 70 percent of the combined budgets are allocated to operating expenditures totaling \$179.3 million, while 30 percent, or \$75.5 million, is allocated to the CIP. Operating budget expenditures of \$179.3 million are proposed for funding next year's operating costs. CIP budget expenditures are proposed at \$75.5 million and the funding source to comprise that \$75.5 million will be \$60.5 million from the Operating Fund, \$950,000 from the Special Expendable Fund, and \$14.1 million from the State Revolving Fund, which is administered by the State Department of Health. Taken together, the total Operating and CIP budget expenditures increased by about 1.1 percent, or \$2.8 million, over the amount budgeted for the current fiscal year. To fund these budgets, revenues from all current sources with the proposed increases in Quantity Charges and a carry-over balance from prior years, will allow the Department to provide an adequate unappropriated fund balance. Mr. Lau concluded that the Department will remain committed to providing water to their customers at a fair and reasonable cost.

Mr. Lau introduced the Executive Support Officer Clayton Shimazu who gave the presentation on the BWS Operating Budget. Questions were taken following Mr. Shimazu's presentation. Board Member McMurdo inquired why the CIP proposed Operating Fund for FY15 is a lot lower than it was for FY14. Mr. Lau explained that although the Operating Fund portion of the CIP budget decreased, the total CIP budget is \$75.5 million. Mr. Lau explained that there were two additional sources of funding that made up the total CIP budget of \$75.5 million. One was the Special Expendable Fund portion of approximately \$950,000 and the other was the State Revolving Fund (SRF) portion of approximately \$14.1 million. Stuart Wong of the Executive Support Office, Management and Budget Section, explained that for FY15, the Department will use less operating funds and utilize more SRF funds in the CIP program.

Mr. Shimazu continued his presentation by highlighting some of the Department's initiatives planned for FY15. The focus of the presentation was to demonstrate the Department's commitment to providing safe, dependable and affordable water now and into the future. Following the highlights, Mr. Shimazu introduced Capital Projects Program Administrator Jason Takaki to give the presentation on the CIP Program Budget.

Following Mr. Takaki's presentation, Board Member Wong inquired if the Department will be spending 100 percent of the FY14 CIP budget. Mr. Lau replied that they probably will not be able to achieve 100 percent of the budgeted CIP. There are delays for some of the projects because they are taking more time to complete a more thorough design in order to put a better bid package together. There are also some delays in finishing the design for renovation work. Mr. Takaki added that for the Capital Projects Division, they are still opening bids. He stated that bids are coming in higher than budgeted, likely due to the economic climate. Mr. Takaki estimates that Capital Projects will achieve 90 percent of their portion of the CIP budget, down from 104 percent last FY.

Ms. McMurdo referred to the Kahuku Wells capacity expansion project and inquired if the developers are sharing in the expense. Mr. Takaki replied that this is a BWS CIP funded project for Kahuku. Water Resources Program Administrator Barry Usagawa explained that the Kahuku system will not serve the Envision Laie residential development, which will be served from the private Hawaii Reserves Laie water system. Therefore, there is no large development in Kahuku that could cost share in the Kahuku Wells III project. BWS installed an exploratory well and plan to install a third permanent pump for redundancy and also install a permanent generator. This is a stand-alone system so any threats like a hurricane, will cut off the power and cut off the access to Kahuku. It is a potential single point of failure so a third well will ensure system reliability. Ms. McMurdo explained that she thought it was being expanded to serve more customers so she felt the developer should share the cost. Ms. McMurdo inquired if Waianae also has redundancy in the system. Mr. Lau replied that it does and through the integrated water system, it gives the ability to move water from Pearl Harbor to Waianae to supply a need if there is a shortage. Ms. McMurdo asked if the Waialae Well is also a redundancy project. Mr. Usagawa replied that this would be an additional source to take some of the load off of the Kaimuki high service pump station.

Mr. Takaki responded to Board Member Hulihee's inquiry by stating that the \$3 million going towards the Honolulu District 4-inch main project is for a study to verify the route as well as the feasibility of the installation. Mr. Takaki responded to Ms. McMurdo's inquiry stating that the Department replaced 5.1 miles of pipeline this current year.

Mr. Shimazu summarized the budget and there were no other questions or discussion.

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

At 2:34 PM on May 27, 2014, Board Chair Miyashiro called to order the Regular Meeting.

ITEM FOR INFORMATION NO. 1

"May 27, 2014

REVIEW OF
TESTIMONY
AND
PRESENTATIONS

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

Chair and Members:

Subject: Review of the Testimony and Presentations Received
at the Canceled Meeting of May 13, 2014 and Report
by Board Members on the Same

The Informational Workshop Meeting on the Proposed FY 2014-2015 Operating and Capital Improvement Program Budget scheduled for May 13, 2014, was canceled on May 13, 2014, due to lack of quorum.

The Board Members who were present for the May 13, 2014 Informational Workshop received presentations on the item on the agenda and questioned the presenters, under the Hawaii Revised Statutes (HRS) §92-2.5(2)(d)(1) which states, "Board members present at a meeting that must be canceled for lack of quorum or terminated pursuant to section 92-3.5 (c) may nonetheless receive testimony and presentations on items on the agenda and question the testifiers or presenters; provided that: (1) Deliberation or decisionmaking on any item, for which testimony or presentations are received, occurs only at a duly noticed meeting of the board held subsequent to the meeting at which the testimony and presentations were received." There were no testifiers present and no decision making was on the agenda or intended, and none was made.

Attached is a copy of the record of the meeting and the presentation that was distributed, in accordance with HRS §92-2.5(2)(d)(3)(A)(B) which states, "Before its deliberation or decision making at a subsequent meeting, the board shall: (A) Provide copies of the testimony and presentations received at the canceled meeting to all members of the board; and (B) Receive a report by the members who were present at the canceled or terminated meeting about the testimony and presentations received."

Respectfully submitted,

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

Attachments"

The foregoing was for information only.

DISCUSSION:

Mr. Miyashiro clarified that the members of the Board who were present on May 13, 2014, needed to present the information to the members present today. Mr. Lau clarified that Chair Miyashiro, Vice Chair Cypher and Board Member Hulihee were present at the May 13, 2014 meeting. Mr. Miyashiro, Ms. Cypher and Mr. Hulihee all agreed that the record accurately reflects the meeting of May 13, 2014.

There were no comments or discussion.

Record of May 13, 2014 Meeting: Proposed FY 2014-2015 Operating and Capital Improvement Program Budget

Chair Miyashiro welcomed everyone and stated that the purpose of this meeting was to conduct a budget informational workshop for the Board of Directors on the proposed 2014-2015 Operating and Capital Program Budget for the fiscal year beginning July 1, 2014. However, due to a lack of a quorum, an official meeting cannot be convened.

Manager Lau thanked Chair Miyashiro and informed everyone that they did have a quorum up until a half an hour ago, when one of the Board members called and was unable to make the meeting. Mr. Lau explained that under Hawaii Revised Statutes (HRS) §92-2.5 Permitted interactions of members, the meeting is allowed to go forward for information, the Board members may ask questions, and a record of the meeting will be taken and distributed at the next Regular Session Board Meeting on May 27, 2014. HRS §92-2.5 states: (2)(d) Board members present at a meeting that must be canceled for lack of quorum or terminated pursuant to section 92-3.5 (c) may nonetheless receive testimony and presentations on items on the agenda and question the testifiers or presenters; provided that: (1) Deliberation or decisionmaking on any item, for which testimony or presentations are received, occurs only at a duly noticed meeting of the board held subsequent to the meeting at which the testimony and presentations were received; (2) The members present shall create a record of the oral testimony or presentations in the same manner as would be required by section 92-9 for testimony or presentations heard during a meeting of the board; and (3) Before its deliberation or decisionmaking at a subsequent meeting, the board shall: (A) Provide copies of the testimony and presentations received at the canceled meeting to all members of the board; and (B) Receive a report by the members who were present at the canceled or terminated meeting about the testimony and presentations received.

Mr. Lau thanked the Board for the opportunity to present the Department's Operating and Capital Improvement Program (CIP) Budget for Fiscal Year (FY) 2014-2015. He stated that the BWS' mission is to provide safe, dependable and affordable water now and into the future for our community. Mr. Lau informed the Board that Executive Support Officer Clayton Shimazu would explain the operating budget, and Capital Projects Program Administrator Jason Takaki would explain the CIP budget. All division heads were present to answer any questions.

Mr. Shimazu gave an overview of the operating budget. In regards to the operating budget expenditures for fixed charges, Board Vice Chair Cypher inquired about the power cost adjustment (PCA). Chief Financial Officer Paul Kikuchi explained that when they developed the revenue requirement and the cost of service study to establish the schedule of rates and charges for the current period, they projected the anticipated electrical cost increases year over year. They used that as a baseline to establish the energy pass through for the PCA. If it exceeds the amount projected in the rate study, then that would trigger having a PCA for the following period, but that hasn't happened yet.

Mr. Takaki gave an overview of the CIP budget. In reference to the Special Expendable Fund and the State Revolving Fund (SRF), Board member Hulihee asked if the Department receives these funds every year. Mr. Lau replied that they do and explained that the revenue for the Special Expendable Fund comes from impact fees for source storage and transmission. For the SRF Funds, the Environmental Protection Agency gives the State about \$8 million a year and it's matched by State funds and loaned out to the four County Water Departments, and it gets repaid over time. Mr. Kikuchi added that the Department has an additional fund called the

Extramural Fund that was established about 4-5 years ago. This allows the Department to receive City, State, or Federal dollars that are non-SRF, so that BWS can separately account for those expenditures. No additional non-water revenue type funds have been received in the past couple of years, so it hasn't been budgeted. Mr. Hulihee inquired if this is all added to the Department's debt. Mr. Kikuchi replied that the SRF is but they are junior lien debts.

After the presentation was completed, Mr. Hulihee inquired if everything is over budgeted due to the inability of filling all the positions. Mr. Lau replied that it is and added that there's some flexibility in the budget should emergencies arise. Funds are carried over, but a debt service reserve needs to be maintained.

Ms. Cypher asked if funds were embedded in the budget for major catastrophes. Mr. Lau responded that in the CIP budget, Request for Proposals for design and construction of three emergency generators is scheduled to go out. This would provide backup power to some of the critical pump stations around the island. There is a generator at Beretania to provide backup power for the Beretania complex.

Mr. Hulihee inquired if the Department is satisfied with its security. Mr. Lau replied that security is always a challenge. Remote facilities are always vulnerable. There are wireless cameras at the facilities, but they are not perfect. Deputy Manager Kitamura stated that in the last couple of years, they have been identifying areas requiring security, and every year funds are set aside to design and install necessary security measures. The BWS security office goes out to various areas and prioritizes the installation of cameras. Mr. Lau asked Information Technology Program Administrator Henderson Nuuhiwa to brief the Board on cyber security.

Mr. Nuuhiwa explained that they are budgeting for a permanent position to be in charge of cyber security, but in the interim they will be hiring a contract consultant to establish the road map across the organization. Cyber security is critical as the upgrades of instrumentation at the facilities will expose the BWS to cyber terrorists. Mr. Nuuhiwa informed the Board about BWS' current process control and about the current software system.

There were no other questions from the Board. Mr. Lau announced that a public hearing on the budget is scheduled for the next Regular Session Board Meeting on May 27, 2014.

Mr. Miyashiro and Mr. Lau thanked everyone for coming.

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Board of Water Supply
City and County of Honolulu

FY 2014-2015 Budget Workshop

Board of Water Supply
May 13, 2014



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Agenda

- Opening Remarks
- Operating Budget
- Capital Improvement Program Budget
- Summary

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FY 2014 – 2015 Operating Budget



Operating Fund Revenue Expenditure Summary (millions of dollars)

	FY 2014	FY 2015	Change	
	<u>Budget</u>	<u>Proposed</u>	<u>Dollars</u>	<u>Percentage</u>
Revenues	\$203.5	\$217.6	\$14.1	6.9%
Total Operating Expenditures	\$169.8	\$179.3	\$9.5	5.6%

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Operating Fund Resources and Expenditures (millions of dollars)

	FY 13	FY 14	FY 14	FY 15
	Actual	Budget	Estimated	Budget
Beginning Balance	\$ 54.6	\$ 63.1	\$ 68.6	\$ 46.3
Revenues	186.2	203.5	198.9	217.6
Lapses/ Adjustments	0.8	---	1.7	---
Total Resources	241.6	266.6	269.1	263.9
Operating Expenditures	145.0	169.8	152.6	179.3
Capital Improvement Program	28.0	62.2	70.2	60.5
Total Expenditures	173.0	232.0	222.8	239.8
Ending Balance	\$ 68.6	\$ 34.6	\$ 46.3	\$ 24.1

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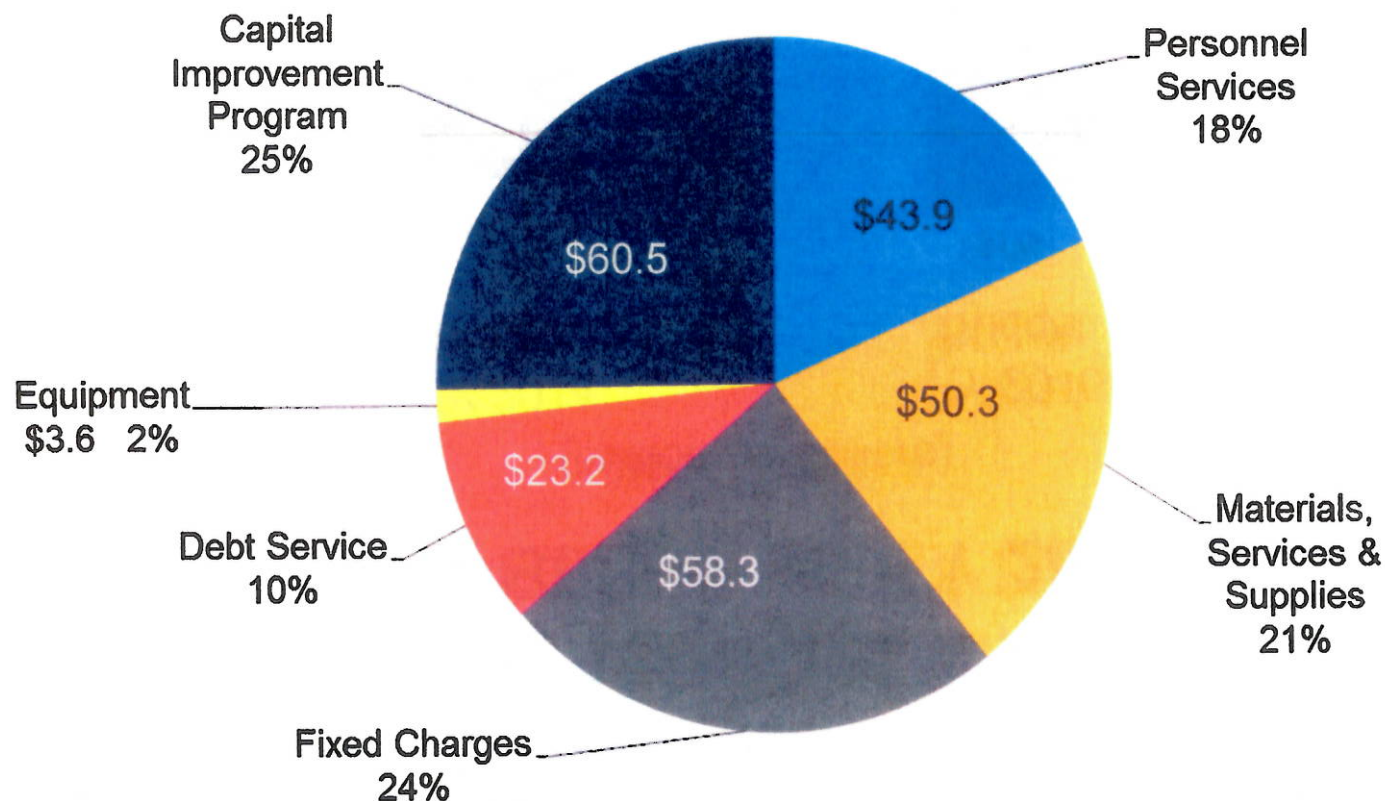
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Operating Fund Budget

Total Budget = \$239.8 (millions of dollars)



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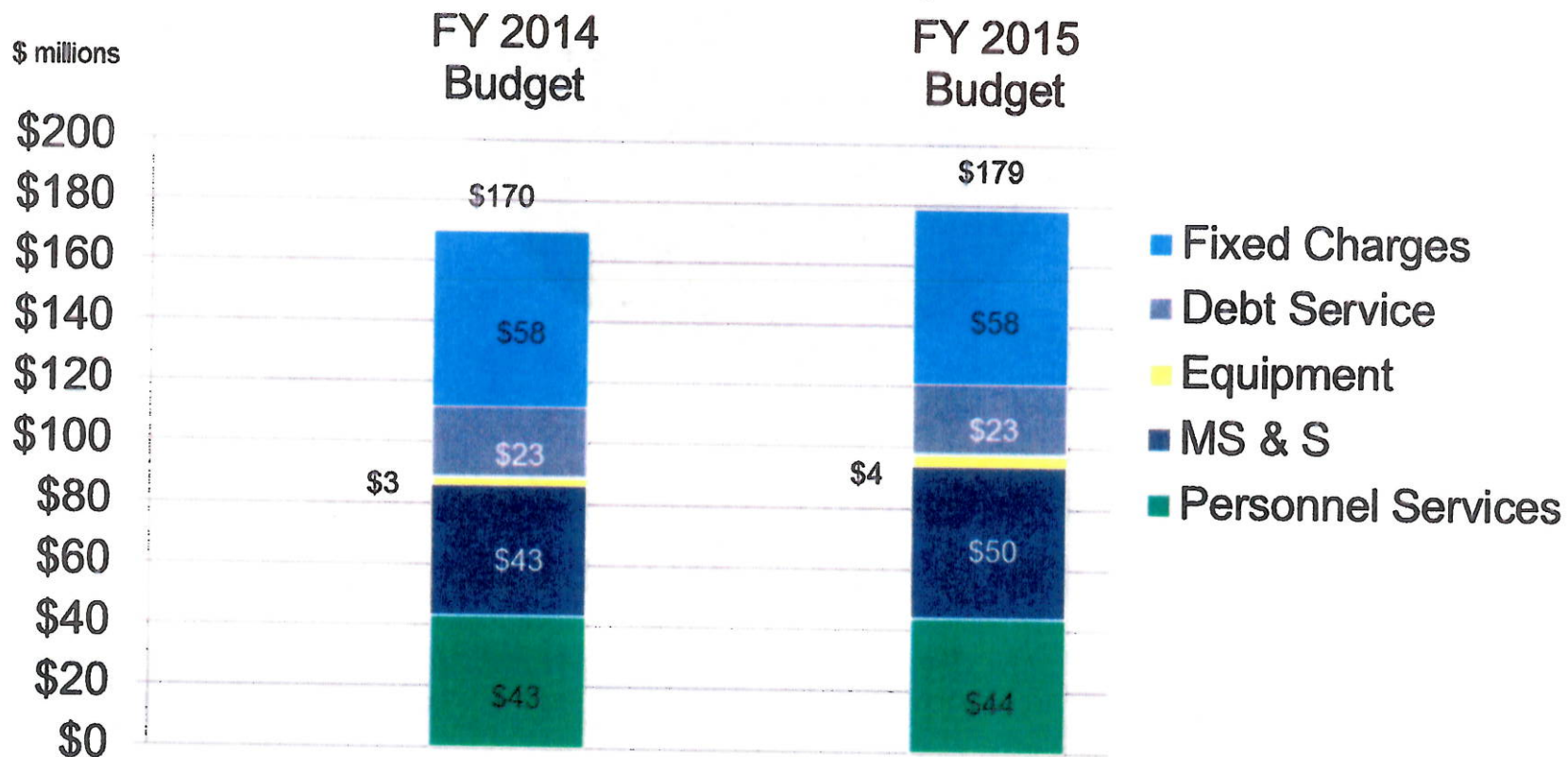
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Operating Budget Expenditures FY 2014 Budget vs. FY 2015 Budget

(millions of dollars)



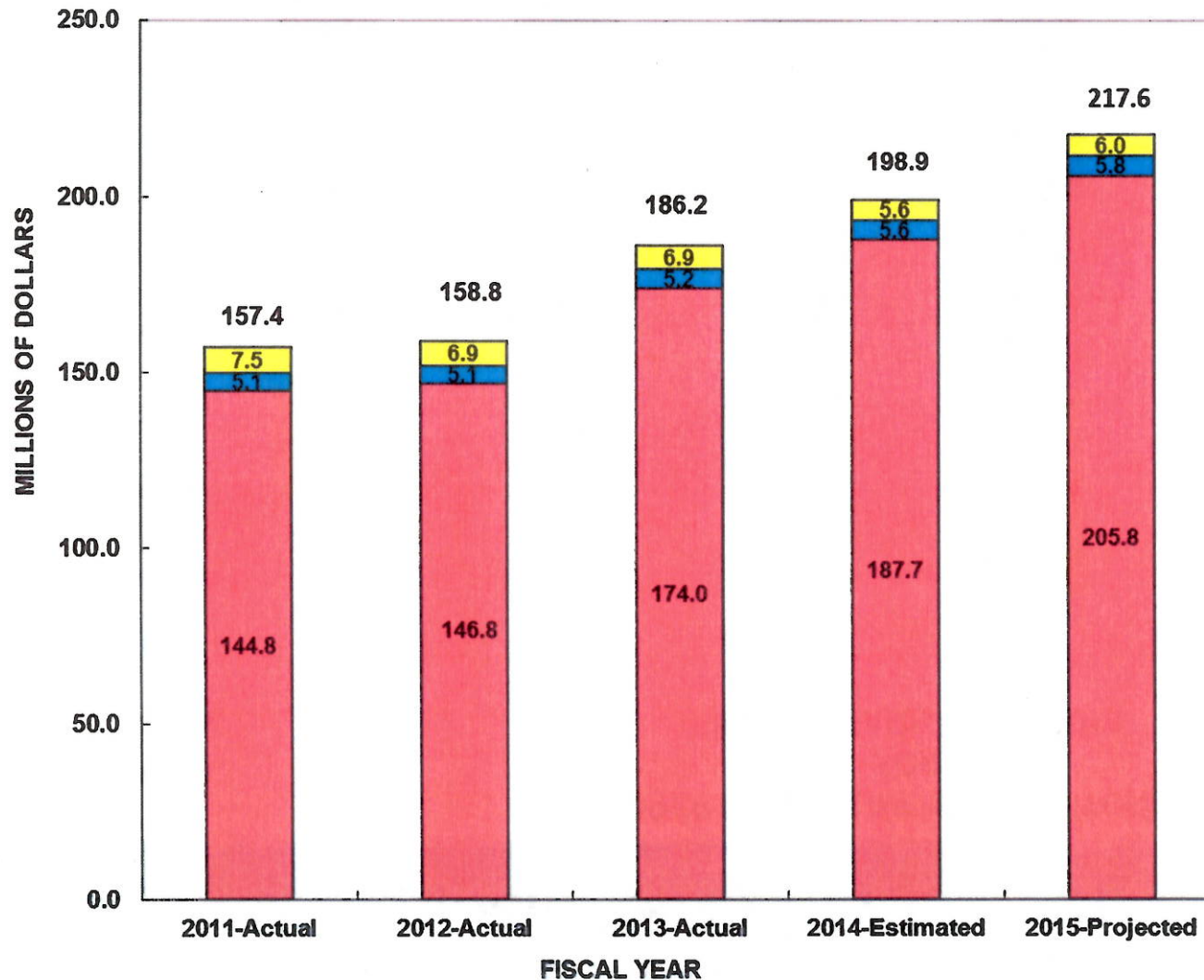
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OPERATING FUND REVENUES



Fiscal Year 2015

Metered Sales - Potable & Non-Potable	\$ 205,845,945
Metered Sales - Recycled	5,789,152
Other Revenues	5,998,467
Total Revenues	\$ 217,633,564

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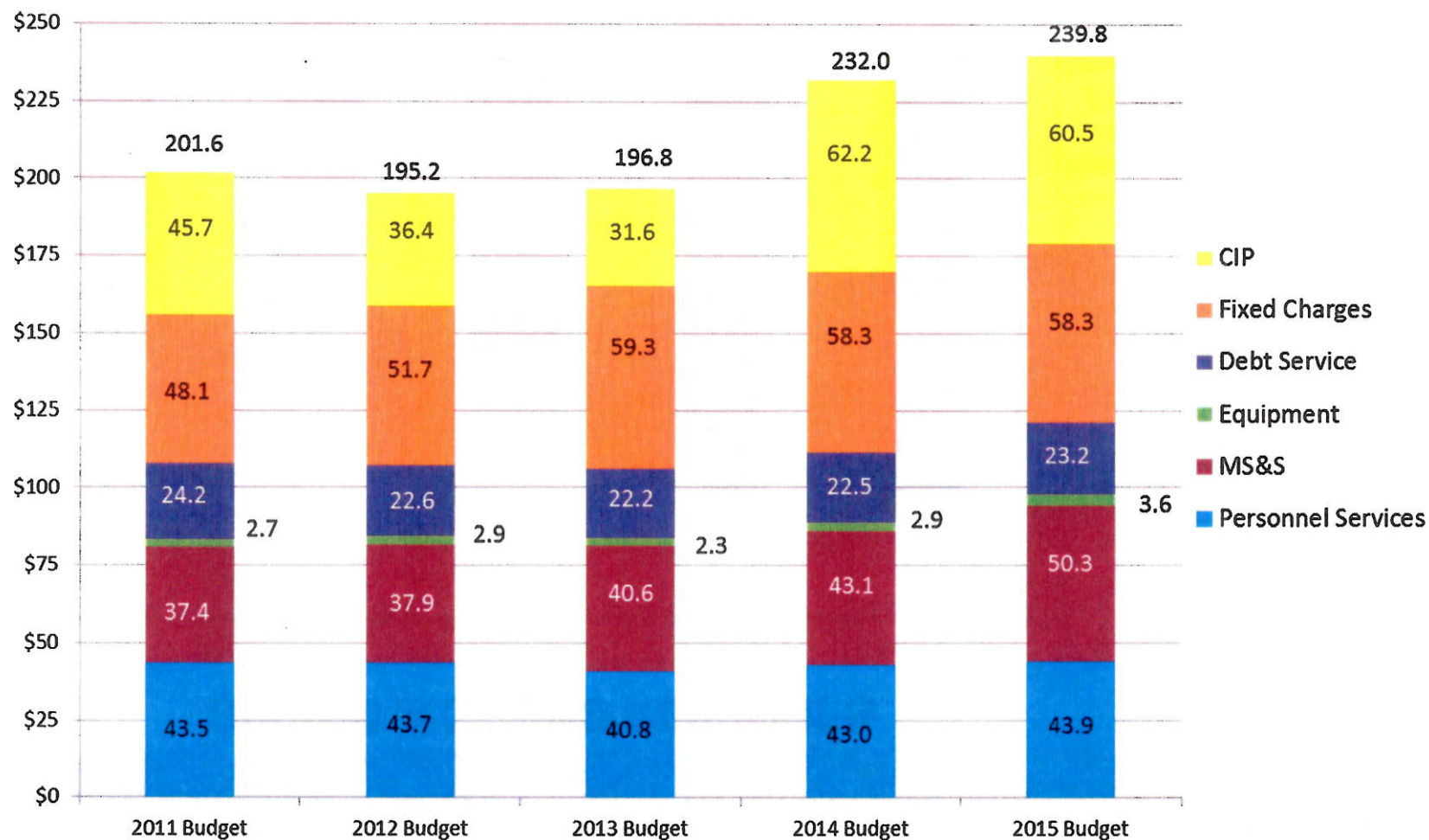
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OPERATING FUND EXPENDITURES FOR FISCAL YEARS 2011 - 2015

MILLIONS
OF
DOLLARS



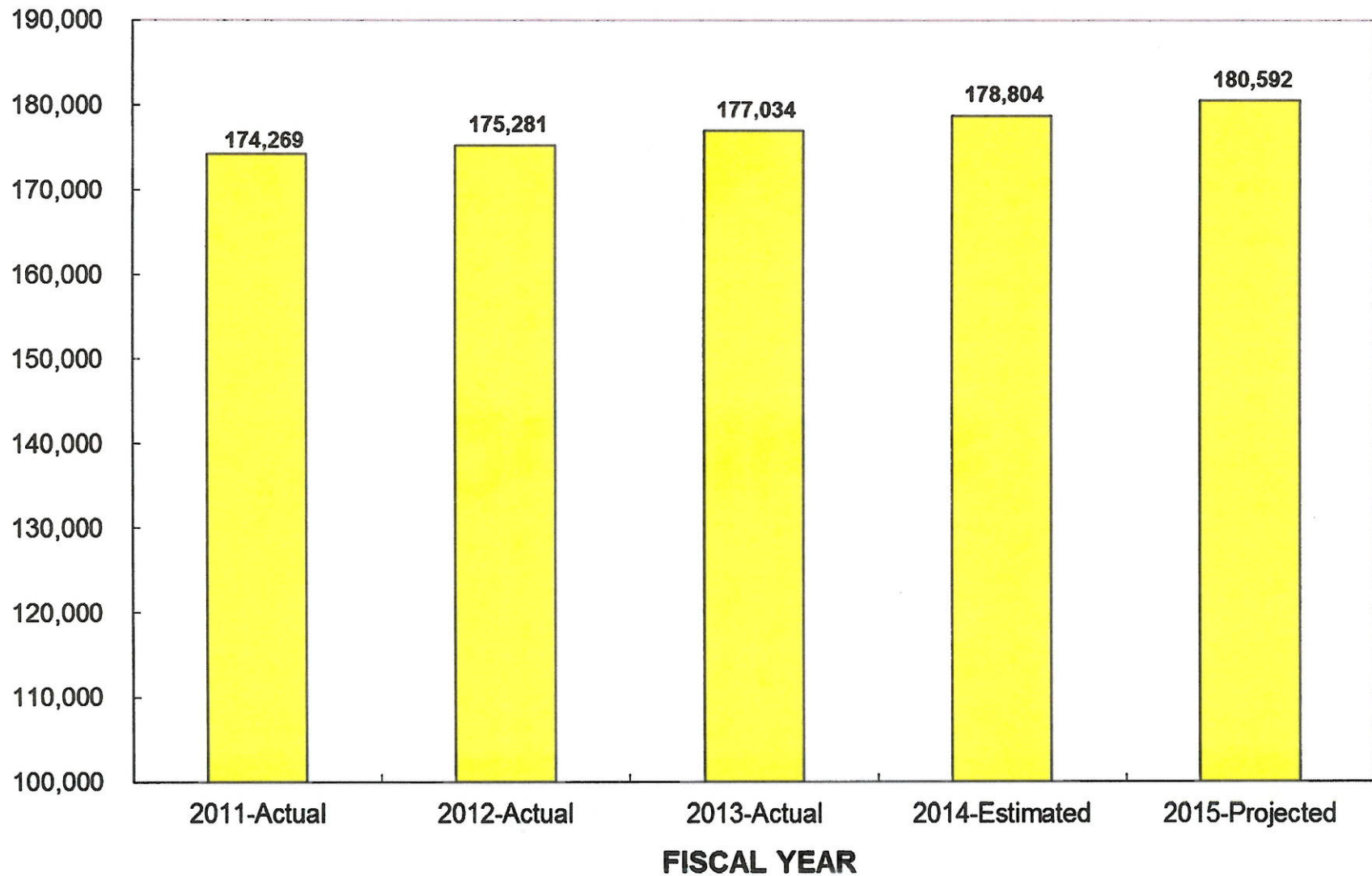
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NUMBER OF CUSTOMERS



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Questions



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Resource Sustainability

Safe



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Resource Sustainability

Watershed Partnership Expansion



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Resource Sustainability

Water Conservation Program Planning Study



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Resource Sustainability

Red Hill Fuel Tank Monitoring



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Operational Sustainability

Dependable



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Operational Sustainability Program Management Study



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Operational Sustainability

Instrumental and Control Upgrade



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Operational Sustainability Project Management Study



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Financial Sustainability

Affordable



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Financial Sustainability

BWS Master Plan



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FY 2014 - 2015 Capital Improvement Program Budget



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City and County of Honolulu

FY 2014 - 2015 CIP

Supports the BWS mission of **Water For Life:**
Safe, dependable and affordable water now
and into the future

Aligned with the Divisions' Goals & Objectives
and the Six-Year Capital Improvement
Program



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Program Categories

Research and Development

Renewal and Replacement

Capacity Expansion



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Capital Improvement Program Budget FY 2014 - 2015

	Categories	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
I.	Research & Development	\$ 3,230,000		\$ 500,000	\$ 3,730,000
II.	Renewal & Replacement	48,952,000		12,350,000	61,302,000
III.	Capacity Expansion	2,123,000	950,000		3,073,000
	Sub-Total	\$ 54,305,000	\$ 950,000	\$ 12,850,000	\$ 68,105,000
	Adjustment	6,171,000		1,235,000	7,406,300
	Total	\$ 60,476,300	\$ 950,000	\$ 14,085,000	\$ 75,511,300

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Project Name

1. Hauula Well Replacement
2. Ala Wai Membrane Bioreactor Facility RE.invest initiative
3. Kamaile Wells Renovation
4. Mariners Ridge Booster I: Replace of Pumping Units
5. Aina Koa Booster I: Replace of Pump No. 2
6. Keanu Line Booster: Replace Pumping Units
7. Maunawili Booster: Replace Pumping Units
8. Diamond head Line Booster: Replace Pumping Units
9. Kaonohi Booster I: Replace Pumping Units
10. Pacific Heights Booster Renovation
11. Mililani Wells IV - Replacement of Pump No. 2
12. Waialae Iki Well Renovation
13. Mililani Wells II Improvements
14. Puanani Wells MCC Replacement
15. Pearl City Wells II Isolation Valves
16. Pearl City Wells I Renovation
17. Liliha Water System Improvements, Part V
18. Diamond Head Water System Improvements, Part II
19. Kulaaupuni and Alta Street Water System Improvements
20. Pensacola Street Water System Improvements
21. Wilhelmina Rise Water System Improvements, Part IV
22. Kapahulu Water System Improvements, Part I
23. Kawanakoa Place 8-Inch Main
24. Kuahae Street 8-Inch Main, Phase II
25. Palolo Water System Improvements, Part III
26. Palolo Water System Improvements, Part IV
27. Auloua Road and Ulukahiki Street: 12-Inch Main
28. Waianae Water System Improvements, Part III
29. Moiliili Water System Improvements, Part IV
30. Kamehameha Heights Water System Improvements, Part III
31. Pipeline Tunnel Renovation at Various Locations
32. Slope Stabilization at Various Facilities
33. Nuuanu Reservoir No. 4 Dam Improvements
34. Microbiological Laboratory Air Conditioning Upgrade
35. Storm Water Management Plan Improvements
36. Kailua Iwi Kupuna Reinterment
37. Renovate/Replace Reservoir Altitude Valve Assemblies - Makiki & Waialae Iki 180 Reservoir
38. Nuuanu Reservoir No. 1 Dam Improvements
39. Beretania Complex Modernization
40. Kahuku Wells Unit No. 3
41. Waialae West Well
42. Kalaeloa Desalination Facility
43. Kalawahine 180 2.0 MG Reservoir, Part II
44. Honolulu District 42-Inch Mains, Liliha to Moiliili

- FY15 DESIGN
- FY15 CONSTRUCTION



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Project Category Highlights

Research and Development (\$3.7 million)

BWS Water Master Plan Program
Management

Construction Management for BWS Projects



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Project Category Highlights

Renewal and Replacement (\$51.5 million)

Kamaile Wells Renovation

Keanu Line Booster: Replace Pumping Units

Pacific Heights Booster Renovation

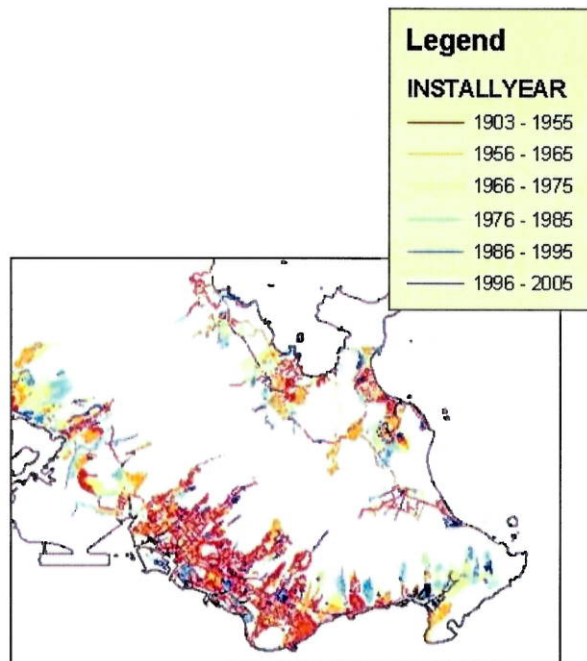




Project Category Highlights

Renewal and Replacement (continued)

Liliha Water System Improvements, Part V



Diamond Head Water System

Improvements, Part II

Kulaaupuni and Alta Street Water

System Improvements

Pensacola Street Water System

Improvements

Wilhelmina Rise Water System

Improvements, Part IV

Kapahulu Water System

Improvements, Part I

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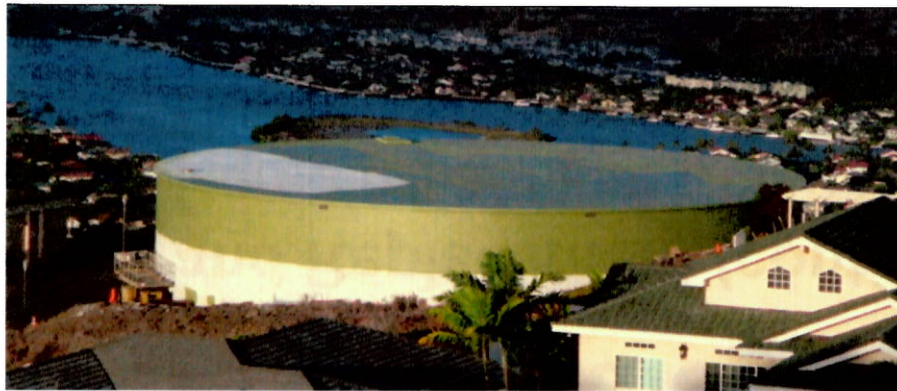
Project Category Highlights

Repair and Replacement (continued)

Slope Stabilization at Various Facilities

Nuuanu Reservoir No. 4 Dam Improvements

Facility Repair and Renovation



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Project Category Highlights

Repair and Replacement (continued)

Remote Terminal Unit (RTU) Upgrades

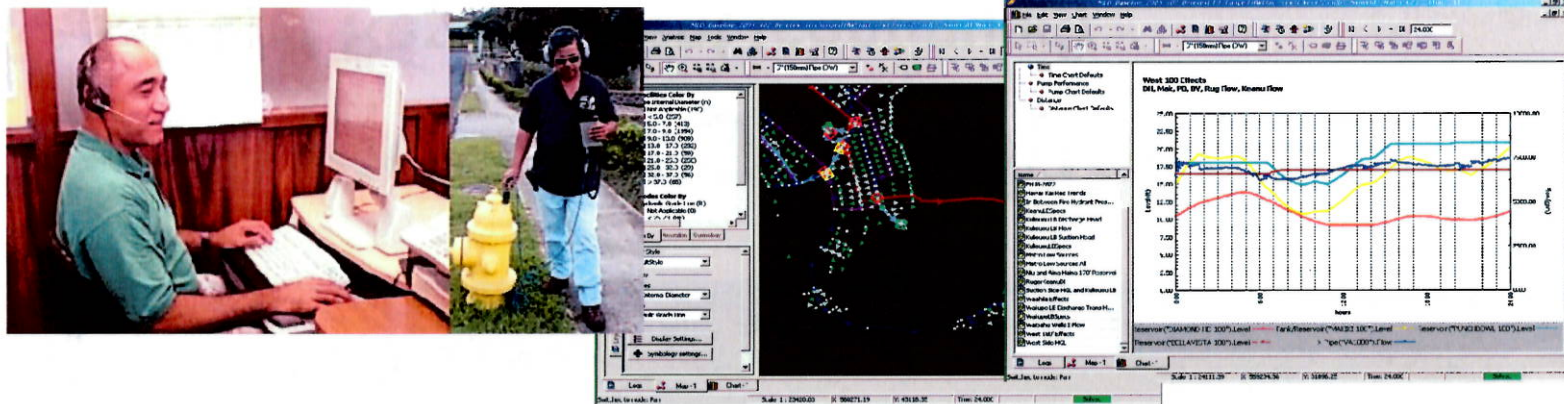
Customer Information System

Computerized Maintenance Management System

IT Project Management

Document Management System

Beretania Complex Modernization



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Project Category Highlights

Capacity Expansion (\$3 million)

Kahuku Wells Unit No. 3

Waialae West Well

Honolulu District 42-Inch Mains



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FY 2015 Operating and Capital Improvement Program Budget Summary

	Operating Fund	Special Expendable fund	State Revolving Fund	Total
Operating Budget	\$179,285,480	---	---	\$179,285,480
Capital Improvement Budget	\$60,476,300	\$950,000	\$14,085,000	\$75,511,300
Total	\$239,761,780	\$950,000	\$14,085,000	\$254,796,780



APPROVAL
OF MINUTES

Approval of the Minutes of the Regular Meeting held on April 28, 2014

MOTION
TO APPROVE

David Hulihee and Mahealani Cypher motioned and seconded, respectively, to approve the Minutes of the Regular Session Meeting of April 28, 2014. The motion was unanimously carried.

"May 27, 2014

ADOPTION OF
RESOLUTION
NO. 841, 2014

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

Chair and Members:

Subject: Adoption of Resolution No. 841, 2014, Adopting the
Operating and Capital Improvement Program Budget
for the Fiscal Year 2014-2015 and Appropriating
Funds Therefor

We recommend adoption of the proposed Operating and Capital
Improvement Program Budget for the fiscal year beginning July 1, 2014
and ending June 30, 2015.

A public hearing to consider the proposed budget, as required by the City
Charter, was held on May 27, 2014. The affidavit attesting to the
publication of the public hearing notice is attached.

We further recommend adoption of the attached Resolution No. 841,
2014, appropriating funds for the Operating and Capital Improvement
Program Budget for fiscal year 2014-2015 as follows:

1. The sum of \$179,285,480 from the Operating Fund for
Operating Budget expenditures.
2. The sum of \$60,476,300 from the Operating Fund,
\$950,000 from the Special Expendable Fund, and
\$14,085,000 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

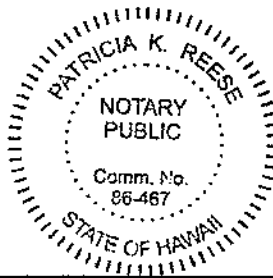
IN THE MATTER OF
NOTICE OF PUBLIC HEARING

STATE OF HAWAII

SS.

City and County of Honolulu

Doc. Date: MAY 16 2014 # Pages: 1
Notary Name: Patricia K. Reese First Judicial Circuit
Doc. Description: Affidavit of
Publication
Patricia K. Reese MAY 16 2014
Notary Signature Date



Julie Clark 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:
05/16/2014

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.

Julie Clark
Julie Clark

Subscribed to and sworn before me this 16th day

of May A.D. 2014

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

My commission expires: Oct 07 2014

Ad # 0000629510

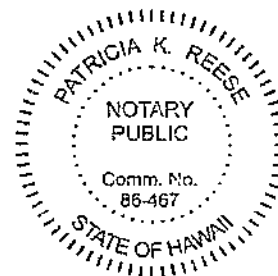
NOTICE OF PUBLIC HEARING

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 27, 2014, 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 2014 - 2015 Operating and Capital Improvement Program Budget of the Board of Water Supply for the fiscal year July 1, 2014 to June 30, 2015.

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 2014 - 2015 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 Allison 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. Allison Kawata at 748-5100, no later than May 20, 2014, so that appropriate accommodations can be provided.

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

(SA629510 5/16/14)



DISCUSSION: There were no comments or discussion.

MOTION TO David Hulihee motioned to adopt Resolution No. 841, 2014, Adopting the
ADOPT Operating and Capital Improvement Program Budget for the Fiscal Year
BUDGET - 2014-2015 and Appropriating Funds Therefor. The motion was seconded
RESOLUTION NO. by Mahealani Cypher and unanimously carried.
841, 2014

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 841, 2014

**RESOLUTION ADOPTING THE OPERATING AND CAPITAL IMPROVEMENT
PROGRAM BUDGET FOR FISCAL YEAR 2014 - 2015 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 SEVENTY NINE MILLION TWO HUNDRED EIGHTY FIVE THOUSAND FOUR HUNDRED EIGHTY DOLLARS (\$179,285,480) 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, 2014 and ending June 30, 2015 as follows:

OPERATING BUDGET

OPERATING FUND.....\$179,285,480

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 MILLION FOUR HUNDRED SEVENTY SIX THOUSAND THREE HUNDRED DOLLARS (\$60,476,300) be and the same is hereby appropriated out of all monies placed to the credit of the

Operating Fund, the sum of NINE HUNDRED FIFTY THOUSAND DOLLARS (\$950,000) be and the same is hereby appropriated out of all monies placed to the credit of the Special Expendable Fund, and the sum of FOURTEEN MILLION EIGHTY FIVE THOUSAND DOLLARS (\$14,085,000) 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, 2014 and ending June 30, 2015, as follows:

CAPITAL IMPROVEMENT PROGRAM BUDGET

OPERATING FUND.....	\$ 60,476,300
SPECIAL EXPENDABLE FUND.....	\$ 950,000
STATE REVOLVING FUND.....	\$ 14,085,000

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:



DUANE R. MIYASHIRO
Chair

Honolulu, Hawaii
May 27, 2014

RESOLUTION NO. 841, 2014, ADOPTING THE OPERATING AND CAPITAL IMPROVEMENT PROGRAM BUDGET FOR THE FISCAL YEAR 2014- 2015 AND APPROPRIATING FUNDS THEREFOR, WAS ADOPTED AT THE MAY 27, 2014 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO	X		
ADAM C. WONG	X		
DAVID C. HULIHEE	X		
ROSS S. SASAMURA			ABSENT
FORD N. FUCHIGAMI			ABSENT

WATER FOR LIFE

Safe, dependable, and affordable water now and into the future



Board of Water Supply
City and County of Honolulu

FY 2014-2015 BWS Budget Presentation

Board of Water Supply
May 27, 2014



WATER FOR LIFE

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Board of Water Supply
City and County of Honolulu

Safe, dependable and affordable water now and into the future





Agenda

- Opening Remarks
- Operating Budget
- Capital Improvement Program Budget
- Summary



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Board of Water Supply
City and County of Honolulu

FY 2014 – 2015 Operating Budget





Operating Fund Revenue Expenditure Summary (millions of dollars)

	FY 2014	FY 2015	Change	
	<u>Budget</u>	<u>Proposed</u>	<u>Dollars</u>	<u>Percentage</u>
Revenues	\$203.5	\$217.6	\$14.1	6.9%
Total Operating Expenditures	\$169.8	\$179.3	\$9.5	5.6%



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Board of Water Supply
City and County of Honolulu

Operating Fund Resources and Expenditures (millions of dollars)

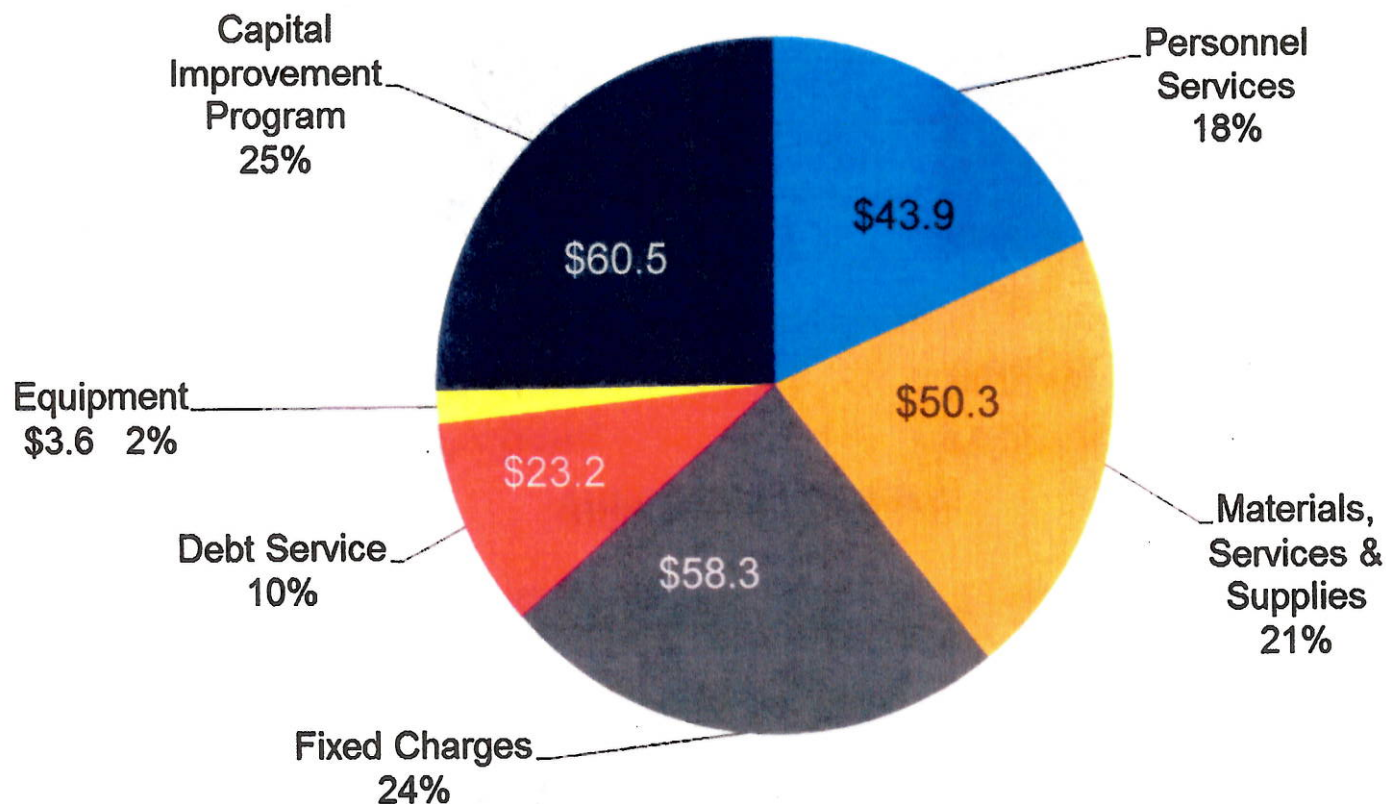
	FY 13	FY 14	FY 14	FY 15
	Actual	Budget	Estimated	Budget
Beginning Balance	\$ 54.6	\$ 63.1	\$ 68.6	\$ 46.3
Revenues	186.2	203.5	198.9	217.6
Lapses/ Adjustments	0.8	---	1.7	---
Total Resources	241.6	266.6	269.1	263.9
Operating Expenditures	145.0	169.8	152.6	179.3
Capital Improvement Program	28.0	62.2	70.2	60.5
Total Expenditures	173.0	232.0	222.8	239.8
Ending Balance	\$ 68.6	\$ 34.6	\$ 46.3	\$ 24.1





Operating Budget Expenditures for FY 2015

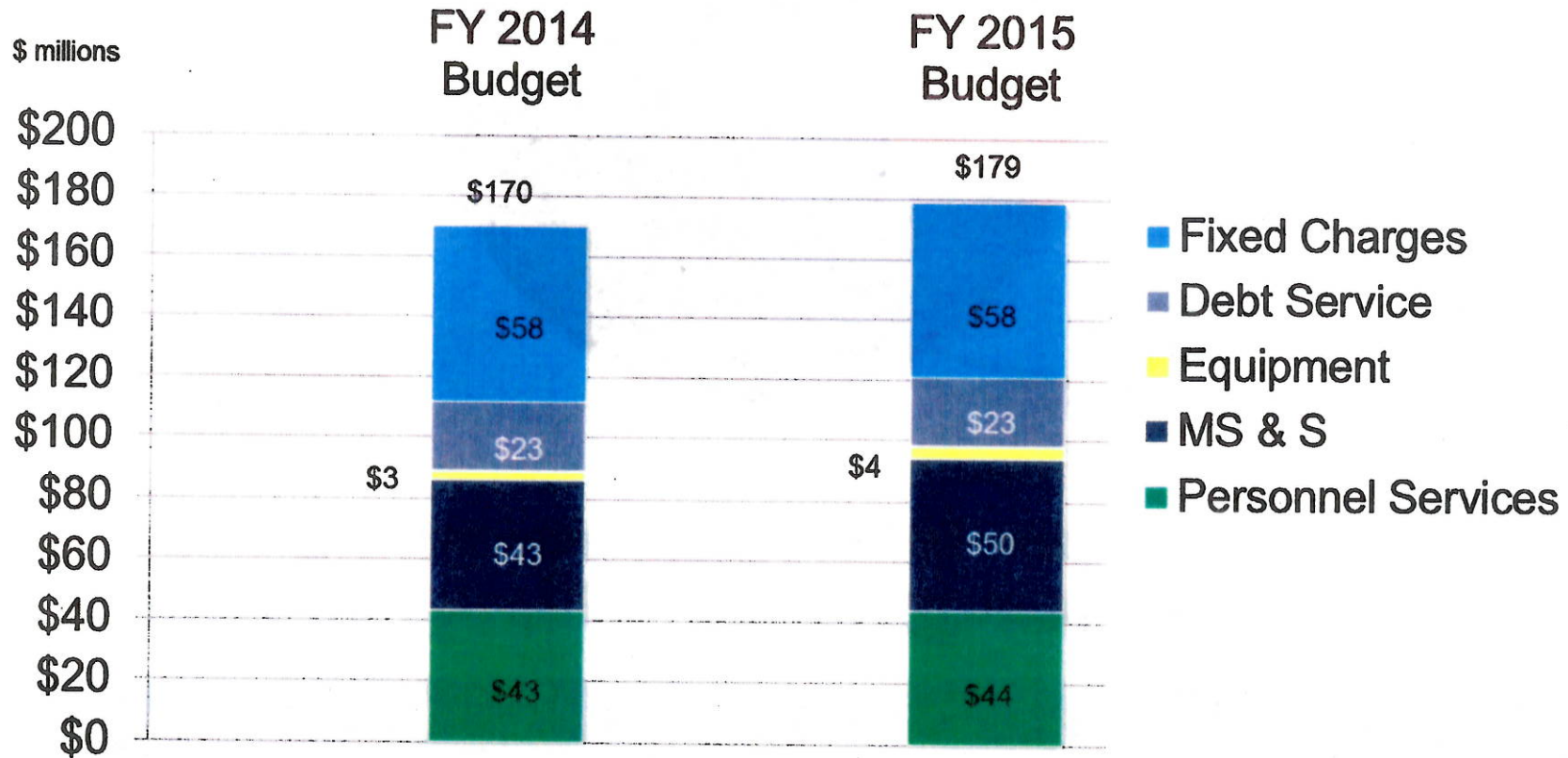
Total Budget = \$239.8 (millions of dollars)





Operating Budget Expenditures FY 2014 Budget vs. FY 2015 Budget

(millions of dollars)



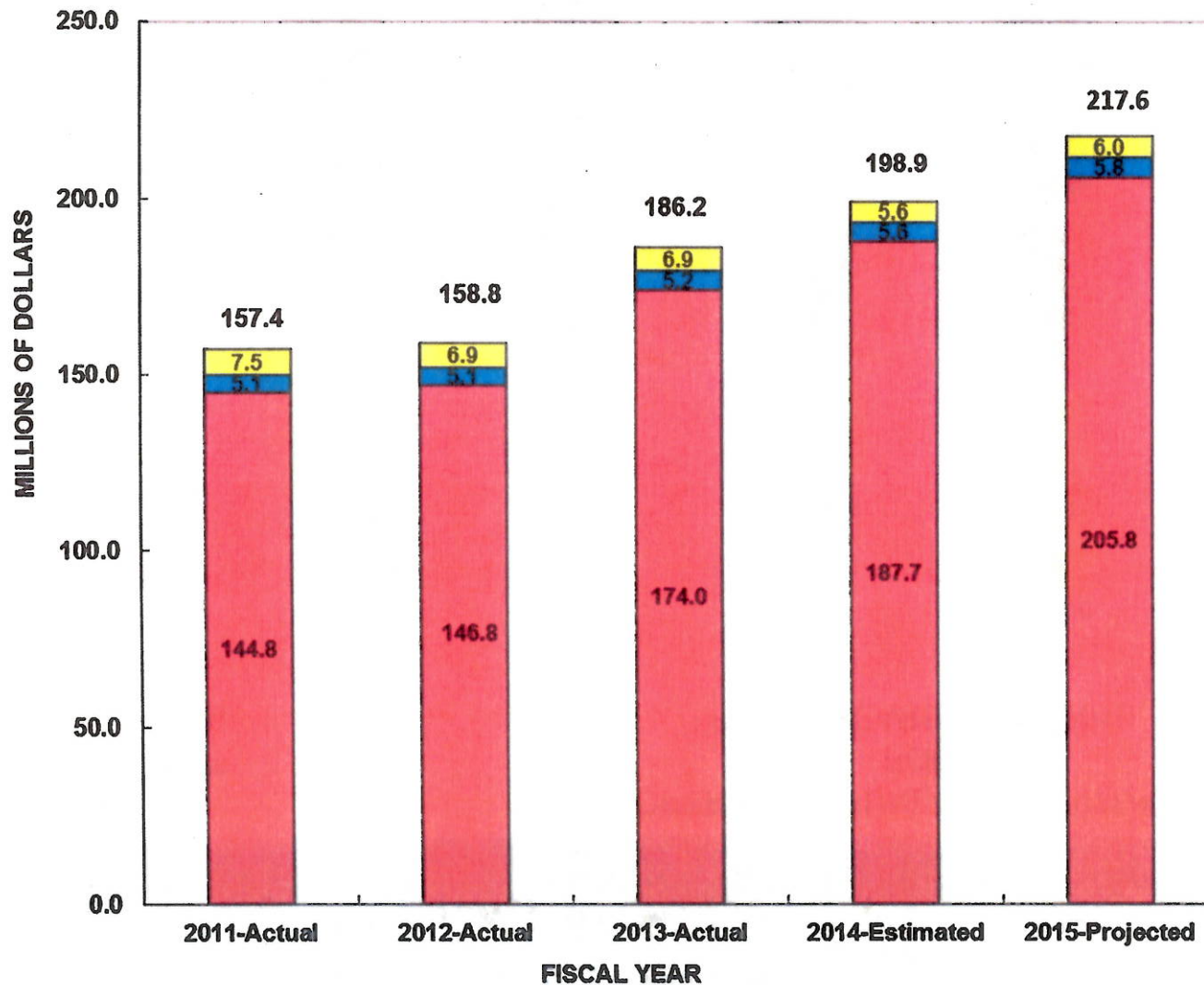
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Board of Water Supply
City and County of Honolulu

OPERATING FUND REVENUES



Fiscal Year 2015

Metered Sales - Potable & Non-Potable	\$ 205,845,945
Metered Sales - Recycled	5,789,152
Other Revenues	5,998,467
Total Revenues	\$ 217,633,564

WATER FOR LIFE

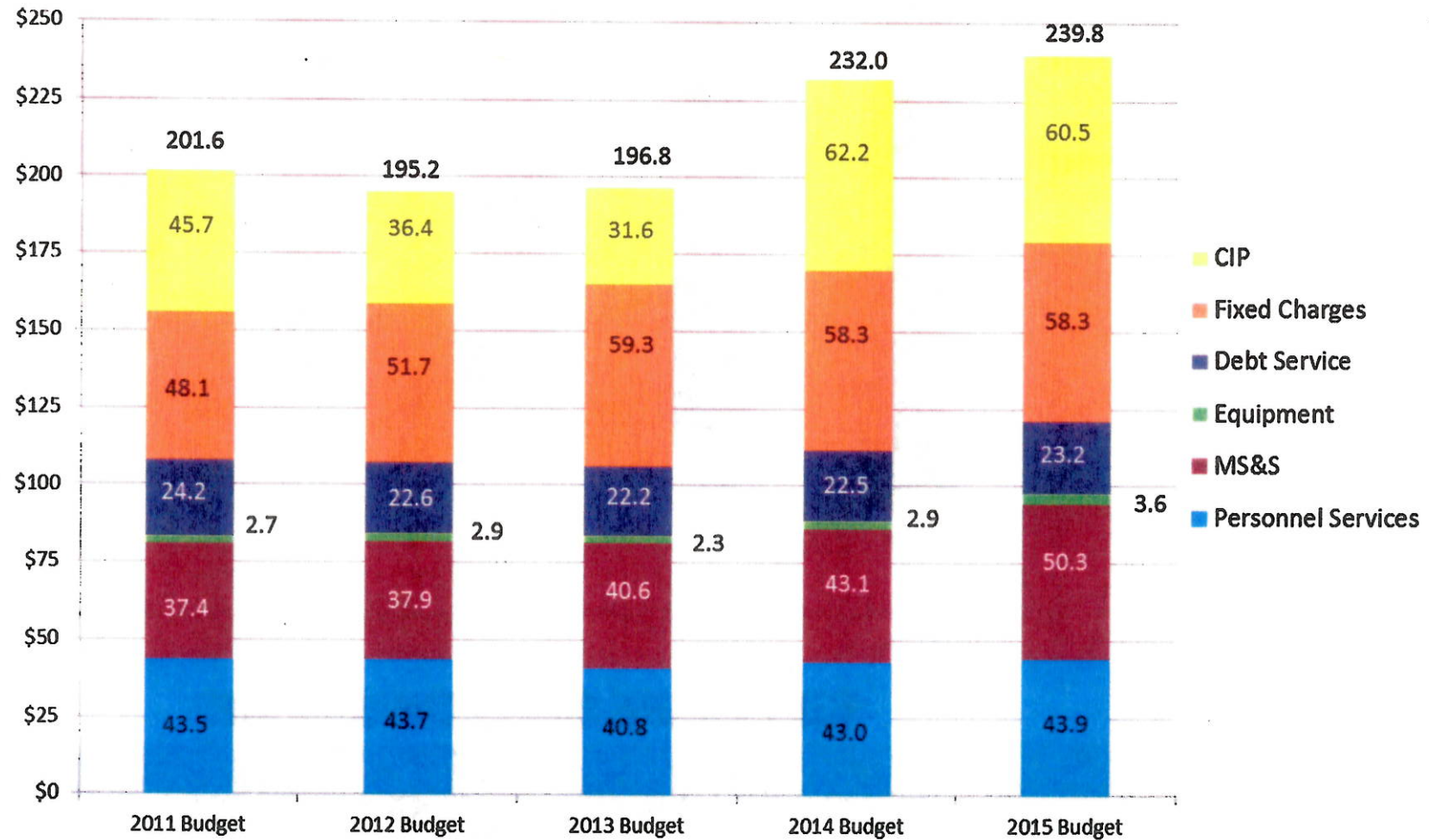
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Board of Water Supply
City and County of Honolulu

OPERATING FUND EXPENDITURES FOR FISCAL YEARS 2011 - 2015

MILLIONS
OF
DOLLARS



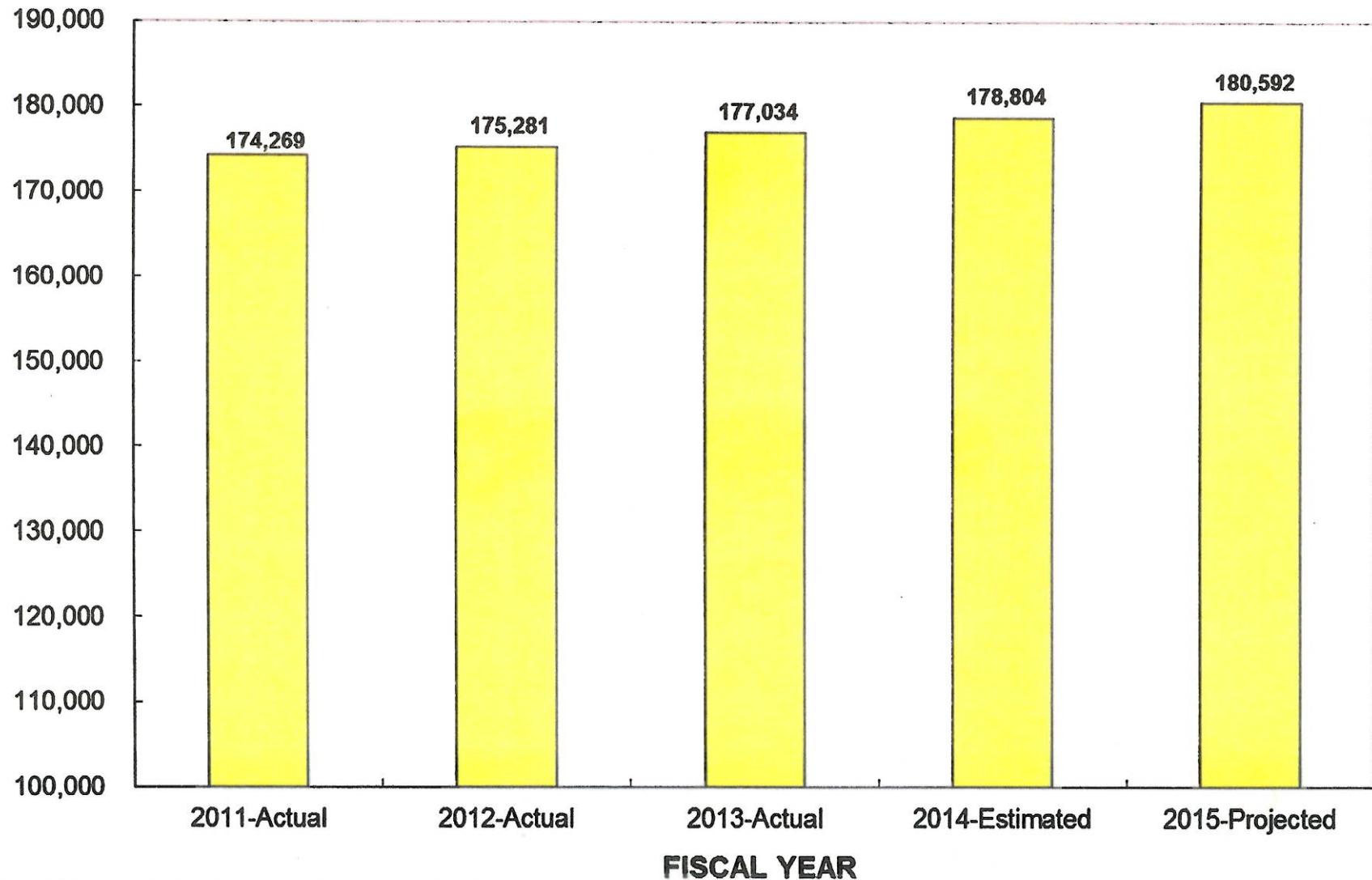
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Board of Water Supply
City and County of Honolulu

NUMBER OF CUSTOMERS



FISCAL YEAR

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Board of Water Supply
City and County of Honolulu

Questions



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Board of Water Supply
City and County of Honolulu

Resource Sustainability

Safe



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Board of Water Supply
City and County of Honolulu

Resource Sustainability

Watershed Partnership Expansion



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Board of Water Supply
City and County of Honolulu

Resource Sustainability

Water Conservation Program Planning Study



WATER FOR LIFE

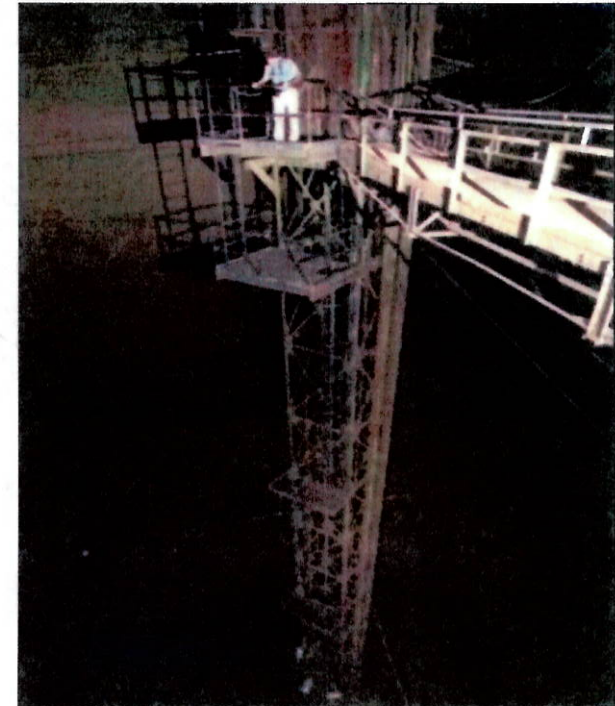
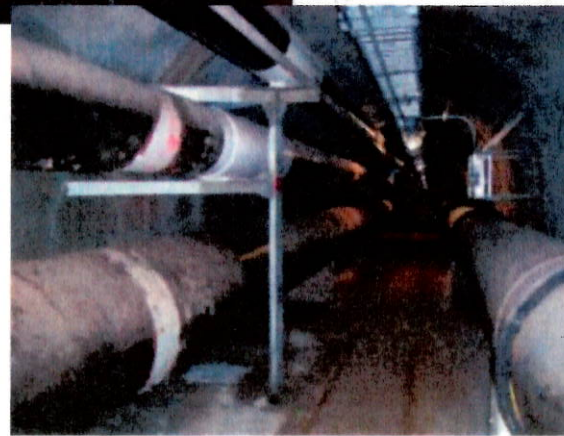
Safe, dependable, and affordable water now and into the future



Board of Water Supply
City and County of Honolulu

Resource Sustainability

Red Hill Fuel Tank Monitoring



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Board of Water Supply
City and County of Honolulu

Operational Sustainability

Dependable



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Board of Water Supply
City and County of Honolulu

Operational Sustainability Program Management Study



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Board of Water Supply
City and County of Honolulu

Operational Sustainability

Instrumental and Control Upgrade



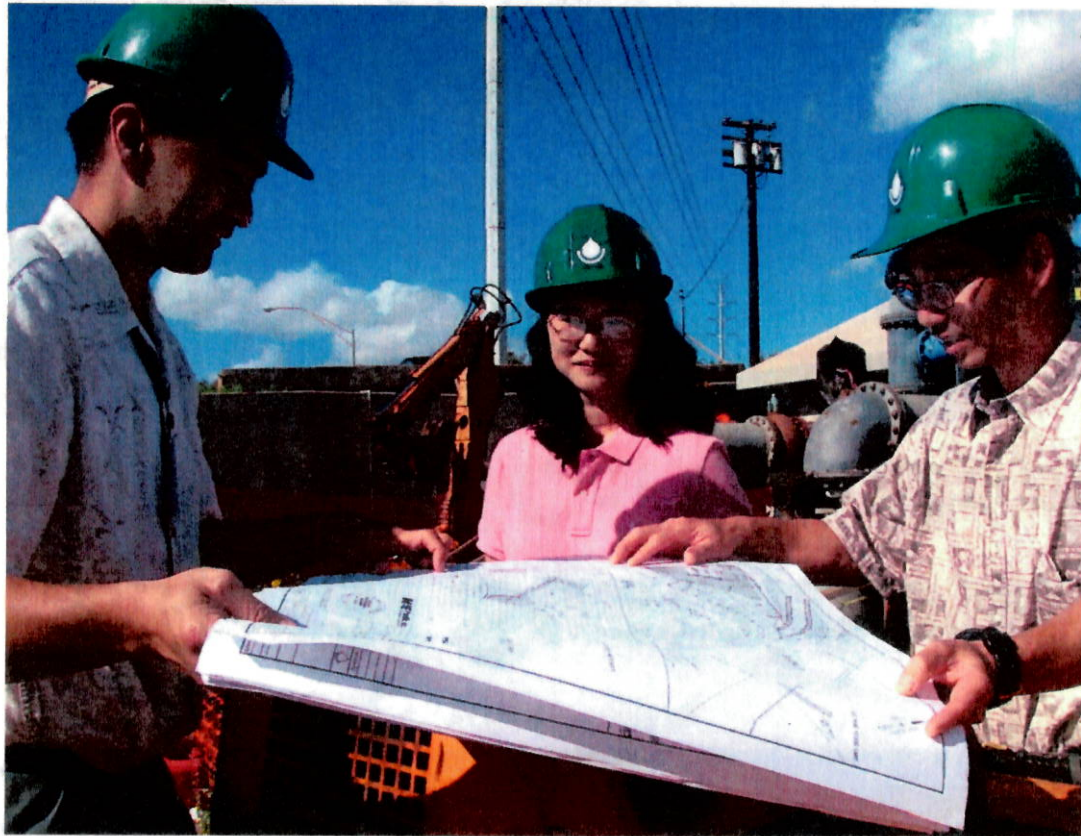
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Board of Water Supply
City and County of Honolulu

Operational Sustainability Project Management Study



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Board of Water Supply
City and County of Honolulu

Financial Sustainability

Affordable



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Financial Sustainability

BWS Master Plan



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Board of Water Supply
City and County of Honolulu

FY 2014 - 2015 Capital Improvement Program Budget



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Board of Water Supply
City and County of Honolulu

FY 2014 - 2015 CIP

Supports the BWS mission of **Water For Life:**
Safe, dependable and affordable water now
and into the future

Aligned with the Divisions' Goals & Objectives
and the Six-Year Capital Improvement
Program



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Board of Water Supply
City and County of Honolulu

Program Categories

Research and Development

Renewal and Replacement

Capacity Expansion



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Board of Water Supply
City and County of Honolulu

Capital Improvement Program Budget FY 2014 - 2015

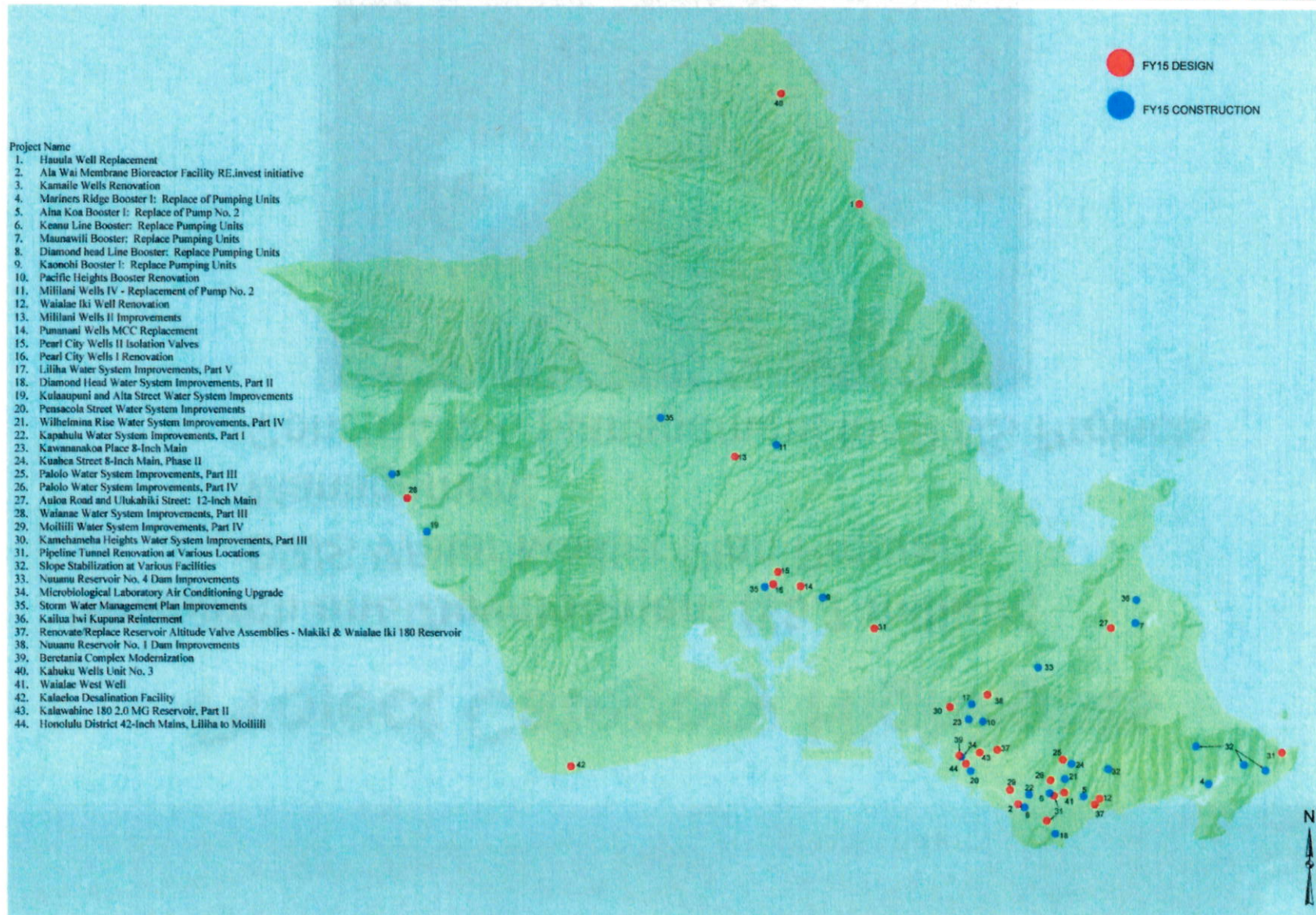
	Categories	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
I.	Research & Development	\$ 3,230,000		\$ 500,000	\$ 3,730,000
II.	Renewal & Replacement	48,952,000		12,350,000	61,302,000
III.	Capacity Expansion	2,123,000	950,000		3,073,000
	Sub-Total	\$ 54,305,000	\$ 950,000	\$ 12,850,000	\$ 68,105,000
	Adjustment	6,171,000		1,235,000	7,406,300
	Total	\$ 60,476,300	\$ 950,000	\$ 14,085,000	\$ 75,511,300

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Board of Water Supply
City and County of Honolulu



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Board of Water Supply
City and County of Honolulu

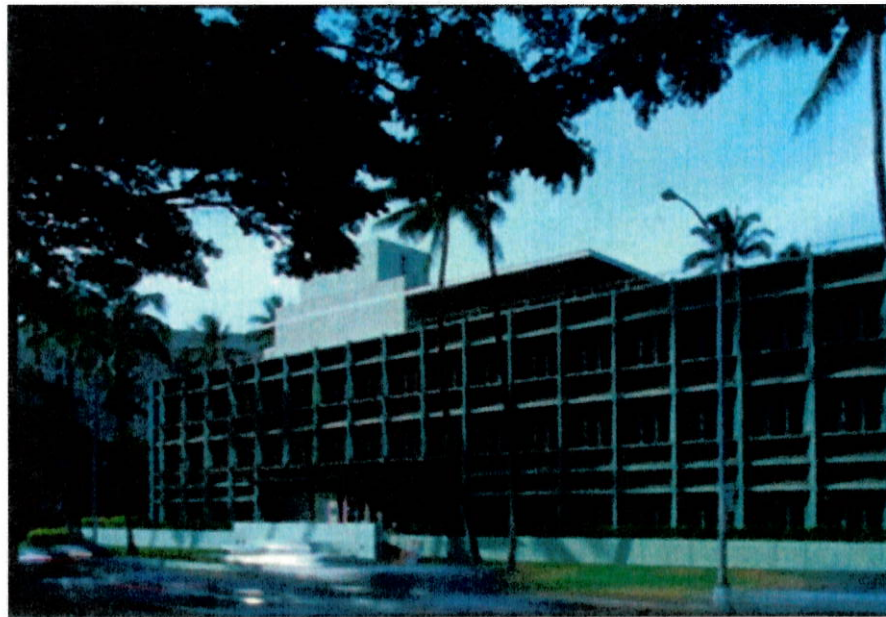
Project Category Highlights

Research and Development (\$3.7 million)

BWS Water Master Plan Program

Management

Construction Management for BWS Projects



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Board of Water Supply
City and County of Honolulu

Project Category Highlights

Renewal and Replacement (\$51.5 million)

Kamaile Wells Renovation

Keanu Line Booster: Replace Pumping Units

Pacific Heights Booster Renovation

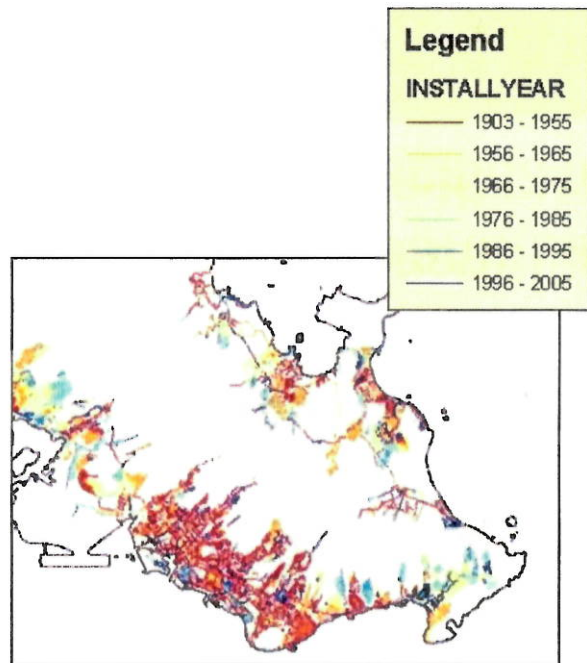




Project Category Highlights

Renewal and Replacement (continued)

Liliha Water System Improvements, Part V



Diamond Head Water System
Improvements, Part II

Kulaaupuni and Alta Street Water
System Improvements

Pensacola Street Water System
Improvements

Wilhelmina Rise Water System
Improvements, Part IV

Kapahulu Water System
Improvements, Part I



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Board of Water Supply
City and County of Honolulu

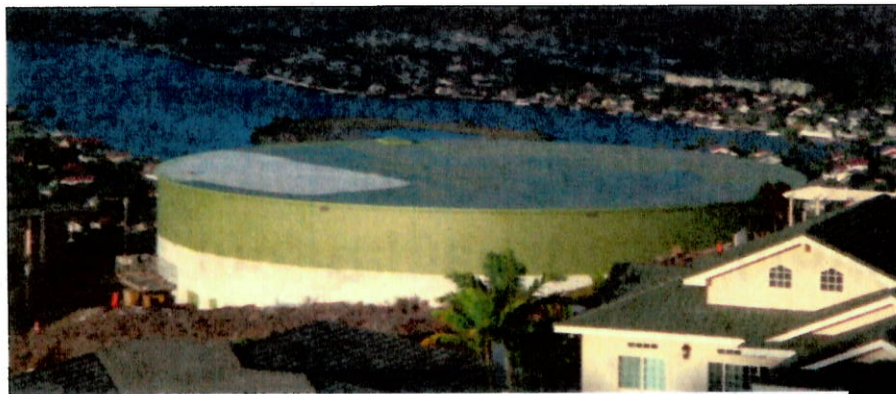
Project Category Highlights

Repair and Replacement (continued)

Slope Stabilization at Various Facilities

Nuuanu Reservoir No. 4 Dam Improvements

Facility Repair and Renovation



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Board of Water Supply
City and County of Honolulu

Project Category Highlights

Repair and Replacement (continued)

Remote Terminal Unit (RTU) Upgrades

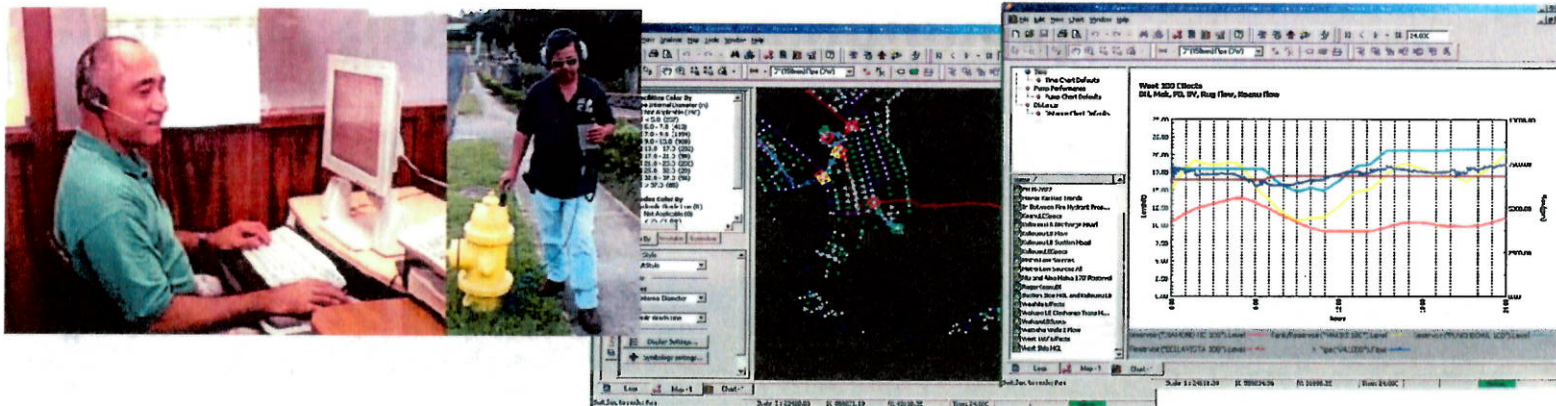
Customer Information System

Computerized Maintenance Management System

IT Project Management

Document Management System

Beretania Complex Modernization



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Board of Water Supply
City and County of Honolulu

Project Category Highlights

Capacity Expansion (\$3 million)

Kahuku Wells Unit No. 3

Waialae West Well

Honolulu District 42-Inch Mains



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Board of Water Supply
City and County of Honolulu



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Board of Water Supply
City and County of Honolulu

FY 2015 Operating and Capital Improvement Program Budget Summary

	Operating Fund	Special Expendable fund	State Revolving Fund	Total
Operating Budget	\$179,285,480	---	---	\$179,285,480
Capital Improvement Budget	\$60,476,300	\$950,000	\$14,085,000	\$75,511,300
Total	\$239,761,780	\$950,000	\$14,085,000	\$254,796,780



BOARD OF WATER SUPPLY

City and County of Honolulu
Honolulu, Hawaii



2014 - 2015 PROPOSED BUDGET

For the Fiscal Year
Beginning July 1, 2014 and
Ending June 30, 2015


BOARD OF WATER SUPPLY
City and County of Honolulu

OPERATING AND CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

2014 - 2015 BUDGET

**For the Fiscal Year beginning
July 1, 2014 and ending June 30, 2015**

SUBMITTED BY:


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

APPROVED:


DUANE R. MIYASHIRO, Chair
May 27, 2014

**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

David C. Hulihee, Member

Ross S. Sasamura, Ex-Officio

Glenn M. Okimoto, Ex-Officio

May 27, 2014

Chair 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, 2014 to June 30, 2015.

FINANCIAL PLAN

The proposed Operating Budget for FY 2014 - 2015 is based upon total operating fund resources of about \$263.9 million, to be derived from operating revenues of approximately \$217.6 million and an estimated carryover balance from FY 2013 - 2014 of \$46.3 million. The carryover balance results primarily from the currently unappropriated fund balance. The unappropriated fund balance is composed of a minimum fund reserve required to maintain its recommended debt service coverage of \$36 million and a carryover balance of \$10.3 million. The proposed operating fund expenditure allocations are \$179.3 million for operating expenses and \$60.5 million for the Capital Improvement Program (CIP). A projected ending balance of about \$24.2 million remains unappropriated.

The proposed Capital Improvement Program budget totals \$75.5 million, to be funded by \$60.5 million from the Operating Fund; \$0.9 million from the Special Expendable Fund; and \$14.1 million from the State Revolving Fund.

Appropriations for the CIP will be valid for 12 months, beginning July 1, 2014, through June 30, 2015.

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 2014 - 2015, we are projecting total revenues of \$217.6 million; which is \$19.4 million or 6.9 percent more than total revenues budgeted for FY 2013 - 2014. Total revenues will increase by only 6.9 percent even though a 9.65 percent rate increase is scheduled for FY 2014 – 2015; this is due to the increasing trend in rainfall projections that the island is experiencing.

<u>Revenue Sources</u>	FY13 2012 - 2013 <u>Actual</u>	FY14 2013 - 2014 <u>Budgeted</u>	FY15 2014 - 2015 <u>Budgeted</u>	Percent Change FY 2015 over FY 2014
Metered Sales:				
Potable and Non-potable Water	174,020,179	190,944,400	205,845,945	7.8%
Recycled Water	5,249,705	5,300,000	5,789,152	9.2%
Other Revenues	<u>6,886,261</u>	<u>7,273,600</u>	<u>5,998,467</u>	<u>-17.5%</u>
Total Revenues	<u>186,156,145</u>	<u>203,518,000</u>	<u>217,633,564</u>	<u>6.9%</u>

Metered Sales – Potable Water and Non-Potable

Potable and non-potable water sales at \$205.8 million are projected to increase by 7.8 percent over the FY 2013 - 2014 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 \$5.8 million will increase 9.2 percent when compared to the FY 2013 - 2014 budgeted amounts.

Other Revenues

Other Revenues at \$5.9 million will be 17.5 percent lower than the FY 2013 - 2014 budgeted amount due to an anticipated decrease in other water revenues. Other Revenues include charges such as after-hours service charges; backflow device penalty fees; hydrant water loss charges; turn on fees; returned check fees and penalties for unauthorized use of water.

B. EXPENDITURES

The proposed total operating expenditures for FY 2014 – 2015 are budgeted at \$239.8 million. This represents an increase of \$7.8 million, or 3.4 percent more than the amount budgeted for the current fiscal year. This change is primarily attributable to increases in funding for materials, supplies and services of \$7.2 million; increase in funding for personnel services of \$913 thousand; an increase in funding for debt service of \$726 thousand and an increase in funding for equipment for \$607 thousand. These increases are offset by a decrease in operating fund requirements for the Capital Improvement Program budget of \$1.7 million.

Highlights of the proposed Operating Budget for FY 2014 - 2015 are presented following the next table.

Summary of Proposed Operating Budget, by Major Cost Categories

<u>Major Cost Categories</u>	FY 2013	% of	FY 2014	% of	FY 2015	% of	FY 2015 over FY 2014	
	<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	30,244,725	17.5%	43,017,537	18.5%	43,930,662	18.3%	913,125	2.1%
Materials, Supplies, and Services	38,728,560	22.4%	43,063,129	18.6%	50,293,381	21.0%	7,230,252	16.8%
Equipment	1,264,000	0.7%	2,949,500	1.3%	3,556,638	1.5%	607,138	20.6%
Debt Service	21,978,286	12.7%	22,479,000	9.7%	23,205,000	9.7%	726,000	3.2%
Fixed Charges	<u>52,794,971</u>	<u>30.5%</u>	<u>58,270,400</u>	<u>25.1%</u>	<u>58,299,800</u>	<u>24.3%</u>	<u>29,400</u>	<u>0.1%</u>
 Total Operating Expenditures	 145,010,542	 83.8%	 169,779,566	 73.2%	 179,285,480	 74.8%	 9,505,915	 5.6%
 Transfer to Capital Improvement Program	 28,013,447	 16.2%	 62,198,800	 26.8%	 60,476,300	 25.2%	 -1,722,500	 -2.8%
 Total Expenditures	 <u><u>173,023,989</u></u>	 <u><u>100.0%</u></u>	 <u><u>231,978,366</u></u>	 <u><u>100.0%</u></u>	 <u><u>239,761,780</u></u>	 <u><u>100.0%</u></u>	 <u><u>7,783,415</u></u>	 <u><u>3.4%</u></u>

Personnel Services

The proposed personnel services budget of \$43.9 million is \$0.9 million or 2.1 percent more than personnel services budgeted for the current year. This increase is primarily due to the funding for additional positions and any wage and salary adjustments that the collective bargaining agreements which will become effective as of July 1, 2014.

Materials, Supplies and Services (MS&S)

The proposed MS&S budget of \$50.3 million is \$7.2 million or 16.8 percent more than the expenditures budgeted for the current year. This is primarily due to an increase in funding for the major repairs to the Honouliuli Recycled Water Facility \$2.2 million; additional funding for an on-going program management study and staff support for the Capital Projects Division \$1.2 million; consultant services to assist the department in implementing a IT Security system and wireless plan \$1.1 million. Additional funds are also being programmed in the store materials, meters and Automated Meter Reading (AMR) system \$1.3 million. For FY 2014-2015 an increase in workers' comp benefits is anticipated \$320 thousand and non-potable water treatment expenses are expected to increase by \$312 thousand. An increase in budget is also programed in equipment (office equipment and computer equipment) due to the anticipated filling of positions within the department \$563 thousand.

Equipment

The proposed equipment budget of \$3.6 million is \$0.6 million or 20.6 percent more than the amount budgeted in FY 2013-2014. This increase is due to anticipated valve replacements at various GAC facilities \$300 thousand and an increase in the number of vehicles and trucks to the department's vehicle fleet \$356 thousand.

Debt Service

The proposed debt service budget of \$23.2 million is \$0.7 million or 3.2 percent more than the amount budgeted in FY 2013 – 2014.

Fixed Charges

The proposed fixed charges budget of \$58.3 million is \$29 thousand, or 0.1 percent more than the amount budgeted for the current year. This increase is due to additional funding for electricity costs in powering the department's pumping and storage facilities which was offset for the most part by a decrease in funding requirements for the unfunded liability of the EUTF Health Fund post-employment costs.

PART II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

A CIP budget of \$75.5 million is proposed for FY 2014 - 2015 to be funded as follows: Operating Fund - \$60.5 million; Special Expendable Fund - \$950 thousand; and State Revolving Fund - \$14.1 million.

Highlights of the proposed CIP for next year include funds for the renewal and replacement of various BWS pipelines, facilities and pumping stations(\$61.3 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 2014 - 2015

	Operating Fund	Improvement Fund	Special Expendable Fund	Extramural Fund	State Revolving Fund	Total All Funds by Program
Operating Budget	179,285,480	-	-	-	-	179,285,480
Capital Improvement Program	60,476,300	-	950,000	-	14,085,000	75,511,300
Total by Fund	239,761,780	-	950,000	-	14,085,000	254,796,780

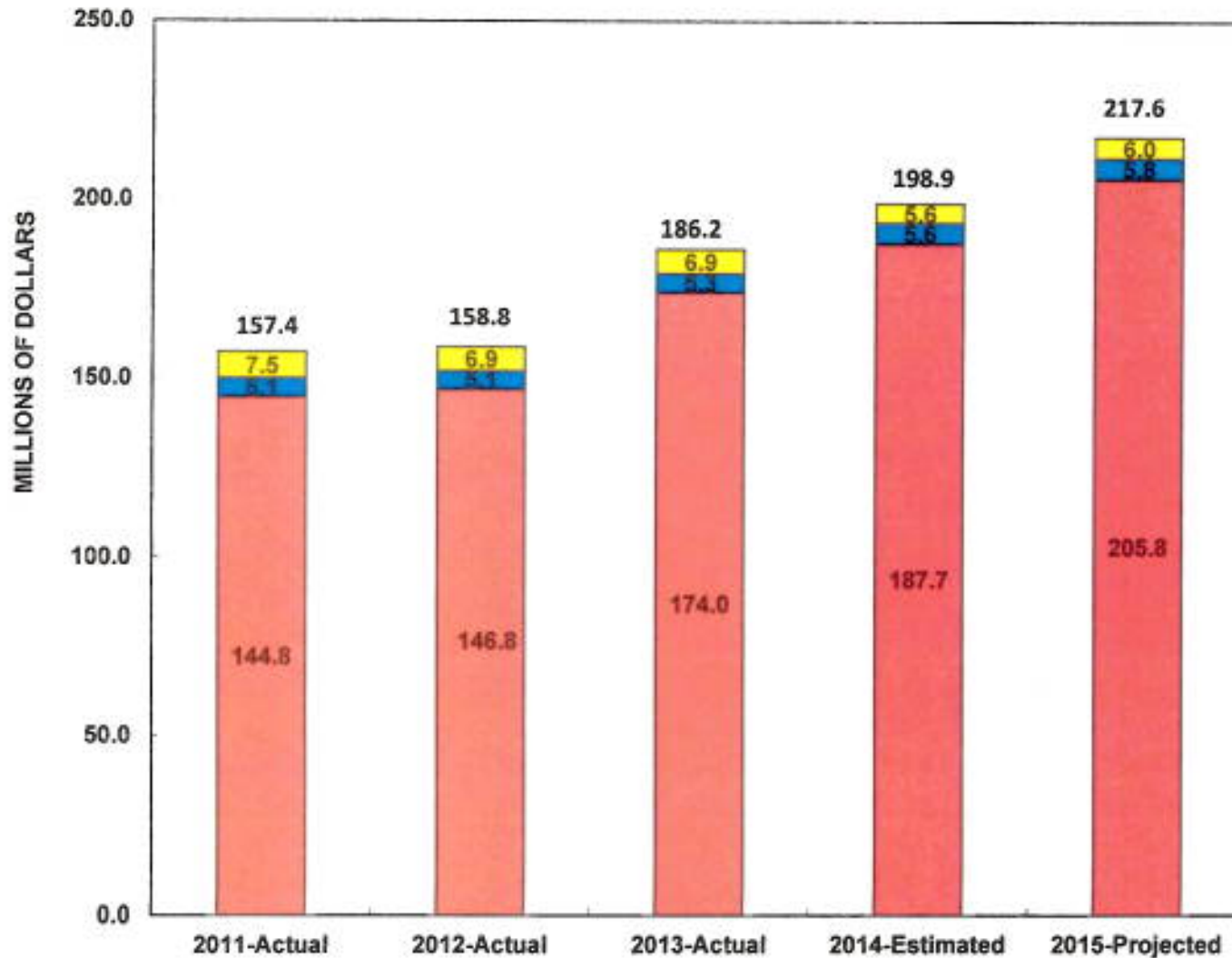
I. OPERATING BUDGET

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II. CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET

Summary	CIP- SUMMARY
CIP Project Details	CIP-1

OPERATING FUND REVENUES

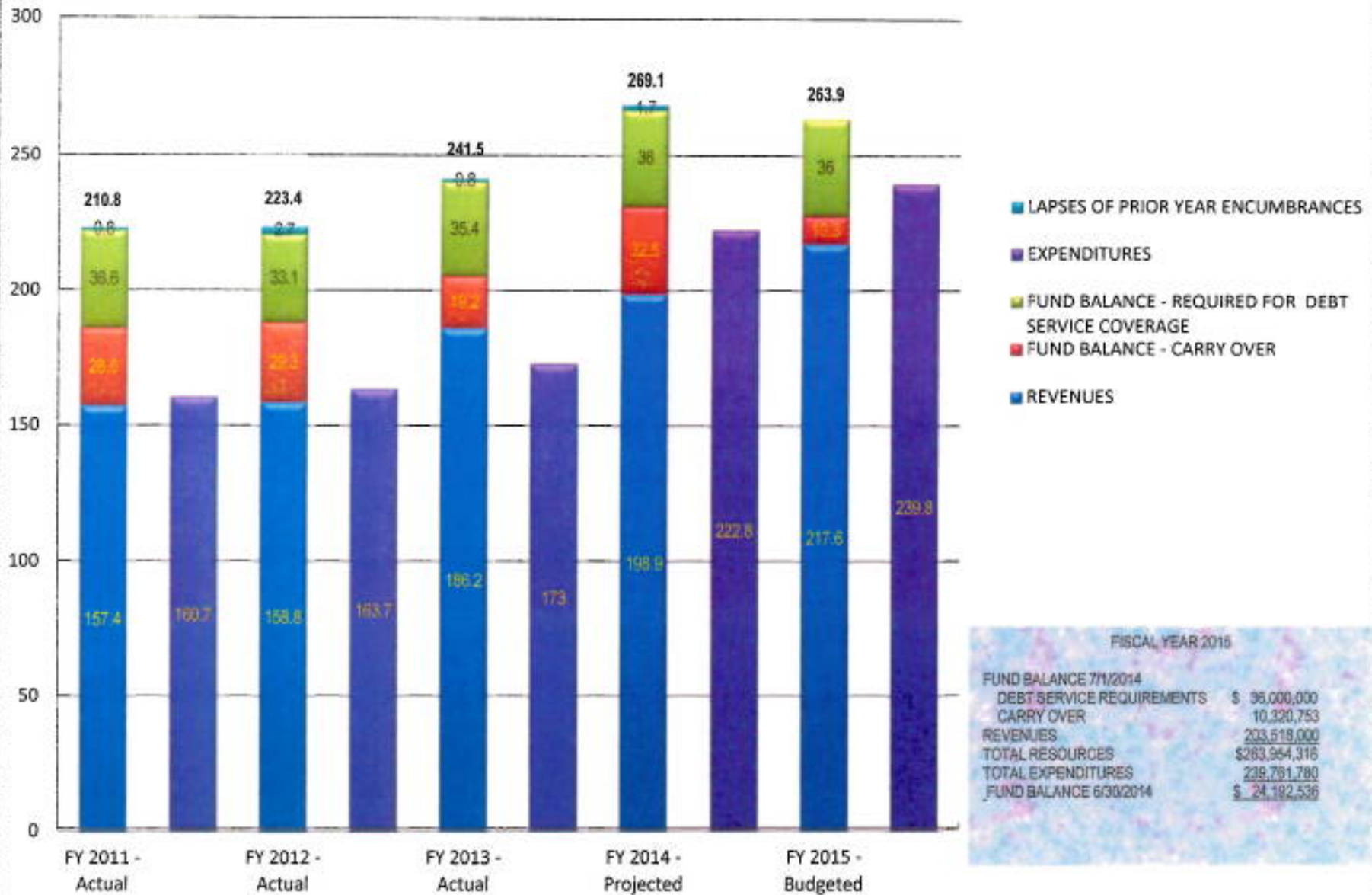


Fiscal Year 2015

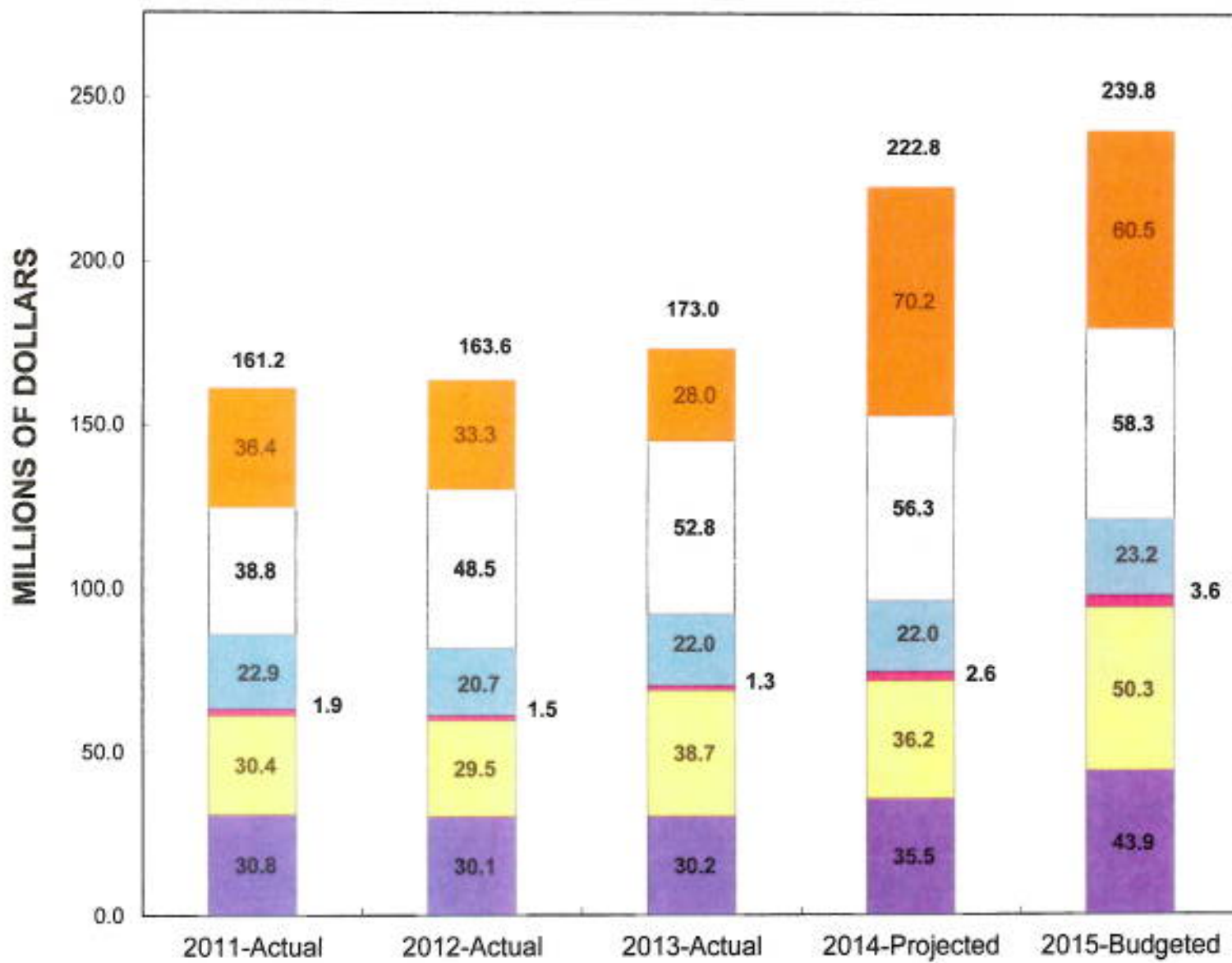
Metered Sales - Potable & Non-Potable	\$ 205,845,945
Metered Sales - Recycled	5,789,152
Other Revenues	5,998,467
Total Revenues	\$ 217,633,564

TOTAL RESOURCES VS. TOTAL EXPENDITURES

(millions of dollars)



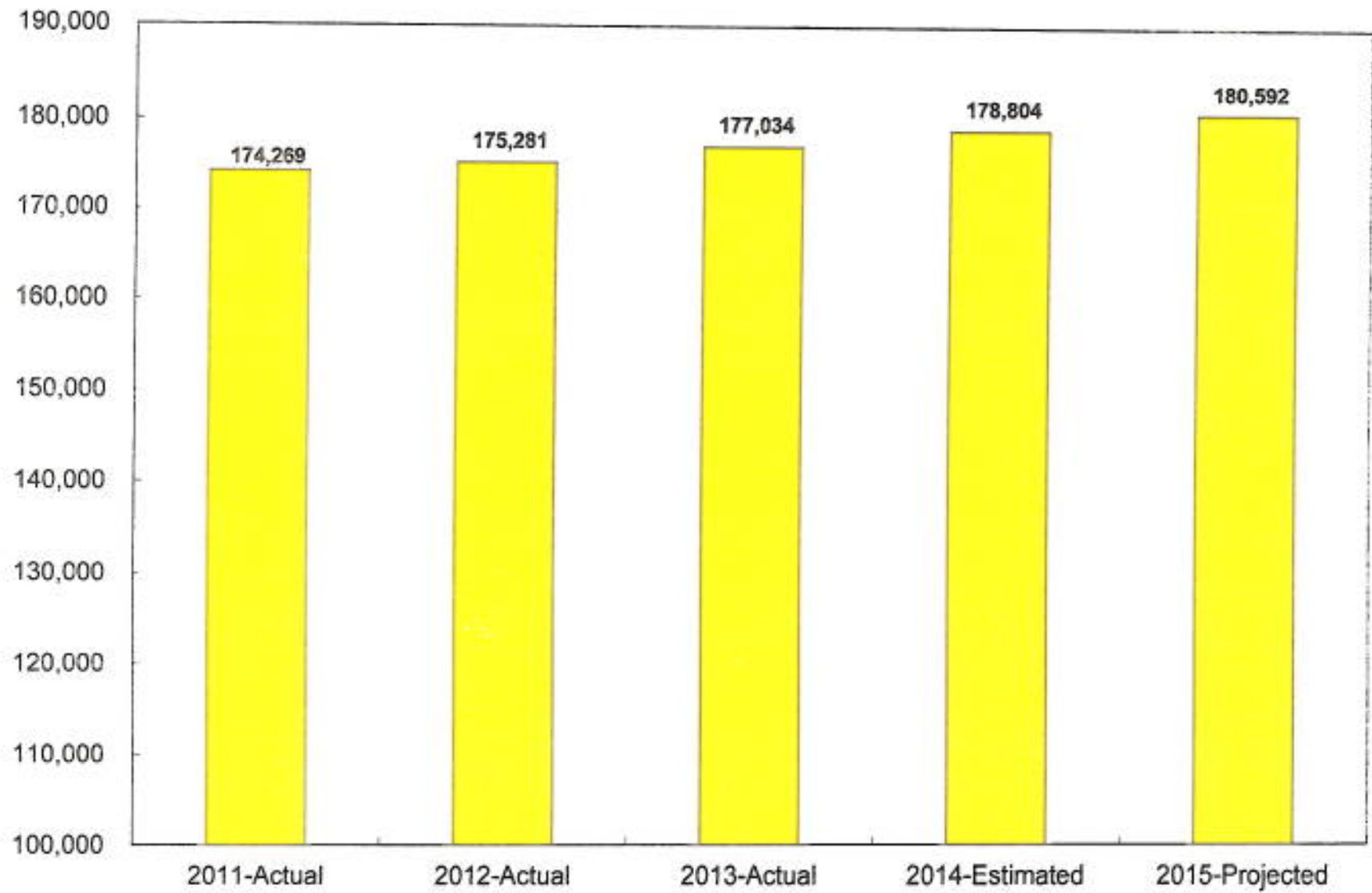
OPERATING FUND EXPENDITURES



- CIP
- Fixed Charges
- Debt Service
- Equipment
- Materials & Supplies
- Personnel Services

Fiscal Year 2015	
CIP	\$ 60,476,300
Fixed Charges	58,299,800
Debt Service	23,205,000
Equipment	3,556,638
MS&S	50,293,381
Personnel Srv	<u>43,930,662</u>
Total	\$239,761,780

NUMBER OF CUSTOMERS



FISCAL YEAR



PART I

OPERATING BUDGET

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEPARTMENT SUMMARY

RESOURCES AND EXPENDITURES	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
BEGINNING BALANCE	54,603,324	63,058,009	68,511,753	46,320,753
Revenues	186,156,145	203,518,000	198,931,157	217,633,564
Transfer from City	-	-	-	-
Transfer from Special Expendable Fund	-	-	-	-
Lapses/Adjustments	776,273	-	1,693,350	-
Total Resources	241,535,742	266,576,009	269,136,260	263,954,316
Operating Expenditures	145,010,542	169,779,368	152,616,707	179,285,480
Capital Program	28,013,447	62,198,800	70,198,800	60,476,300
Total Expenditures	173,023,989	231,978,168	222,815,507	239,761,780
ENDING BALANCE	68,511,753	34,597,841	46,320,753	24,192,536

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEPARTMENT SUMMARY

REVENUES	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
Metered Sales - Potable and Non-Potable	174,020,179	190,944,400	187,726,671	205,845,945
Metered Sales - Recycled	5,249,705	5,300,000	5,632,020	5,789,152
Automatic Fire Sprinkler Charges	675,413	530,000	559,000	570,000
Ocean Cooling	1,182,392	1,182,600	892,634	896,367
Other Water Revenues	925,877	1,880,000	906,748	917,100
Revenues from Installations	850,457	950,000	917,000	950,000
Merchandising and Jobbing	224,840	200,000	140,000	200,000
Interest Income	1,873,424	2,266,000	1,477,000	2,200,000
Miscellaneous Non-Operating Revenue	960,869	75,000	490,084	75,000
Non-Operating Rental Income	192,989	190,000	190,000	190,000
TOTAL	186,156,145	203,518,000	198,931,157	217,633,564

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
Personnel Services	30,244,725	43,017,539	35,545,806	43,930,662
Materials, Supplies and Services	38,728,560	43,062,929	36,189,084	50,293,381
Equipment	1,264,000	2,949,500	2,560,187	3,556,638
Debt Service	21,978,286	22,479,000	22,057,000	23,205,000
Departmental Fixed Charges	52,794,971	58,270,400	56,264,630	58,299,800
SUBTOTAL - OPERATING EXPENDITURES	145,010,542	169,779,368	152,616,707	179,285,480
Transfer to Capital Program	28,013,447	62,198,800	70,198,800	60,476,300
TOTAL EXPENDITURES	173,023,989	231,978,168	222,815,507	239,761,780

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
PERSONNEL SERVICES (NO. OF POSITIONS)				
	(5)	(6)	(6)	(7)
Office of the Manager and Chief Engineer	467,000	585,658	591,970	728,599
	(11)	(14)	(11)	(18)
Executive Support Office	404,000	657,200	489,195	954,210
	(9)	(10)	(10)	(10)
Communications Office	463,000	576,298	531,423	577,818
	(1)	(1)	(1)	(1)
Ocean Cooling	220,005	220,000	220,008	220,008
	(14)	(19)	(15)	(21)
Water Quality	843,000	1,180,448	924,736	1,227,710
	(72)	(77)	(85)	(89)
Customer Care	3,750,000	4,011,998	4,244,427	4,266,189
	(23)	(32)	(27)	(38)
Water Resources	1,550,000	2,178,427	1,721,009	2,401,914
	(3)	(5)	(4)	(5)
Land	189,000	266,616	250,941	293,532
	(199)	(254)	(236)	(255)
Field Operations	10,305,606	15,070,420	13,043,353	14,944,073
	(42)	(67)	(56)	(66)
Capital Projects	3,446,000	5,056,107	3,715,302	4,644,015
	(71)	(107)	(77)	(106)
Water Systems Operations	4,083,000	6,355,773	4,419,460	6,326,464
	(29)	(45)	(34)	(54)
Information Technology	2,222,000	3,488,907	2,382,076	3,728,800
	(8)	(9)	(9)	(10)
Human Resources	366,000	561,574	440,505	529,877
	(37)	(51)	(54)	(66)
Finance	1,936,114	2,808,113	2,571,402	3,087,454
(NO. OF POSITIONS)	(524)	(695)	(624)	(745)
TOTAL PERSONNEL SERVICES	30,244,725	43,017,539	35,545,806	43,930,662

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
MATERIALS, SUPPLIES AND SERVICES				
Office of the Manager and Chief Engineer	1,733,000	536,601	191,353	289,911
Executive Support Office	2,619,000	3,509,693	2,449,493	3,786,645
Communications Office	181,000	258,170	233,476	316,275
Ocean Cooling	315,743	429,000	422,804	427,800
Water Quality	797,000	792,300	870,666	882,640
Customer Care	371,000	1,077,810	834,235	875,450
Water Resources	5,581,000	7,817,936	7,256,238	9,716,745
Land	330,000	736,500	267,878	541,800
Field Operations	12,638,522	8,801,780	8,125,514	10,225,400
Capital Projects	561,000	2,172,500	2,145,957	3,269,050
Water Systems Operations	4,994,000	8,198,600	6,200,862	9,152,200
Information Technology	4,376,000	5,687,105	4,406,550	6,994,294
Human Resources	1,044,000	1,288,774	979,373	1,612,370
Finance	3,187,295	1,756,160	1,804,685	2,202,800
TOTAL MATERIALS, SUPPLIES AND SERVICES	38,728,560	43,062,929	36,189,084	50,293,381

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEPARTMENT SUMMARY

Expenditure Classification	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
EQUIPMENT				
Office of the Manager and Chief Engineer	-	-	-	-
Executive Support Office	8,000	-	-	-
Communications Office	-	-	-	-
Ocean Cooling	-	-	-	-
Water Quality	-	135,000	-	135,000
Customer Care	26,000	-	-	50,000
Water Resources	79,000	120,300	115,300	46,140
Land	-	-	-	-
Field Operations	-	108,000	-	249,400
Capital Projects	-	-	-	200,000
Water Systems Operations	1,064,000	2,004,200	1,874,887	2,060,100
Information Technology	-	543,000	527,000	730,998
Human Resources	-	-	-	-
Finance	87,000	39,000	43,000	85,000
TOTAL EQUIPMENT	1,264,000	2,949,500	2,560,187	3,556,638

Bond Issues

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

**Board of Water Supply
Operating Budget
Fiscal Year 2014 - 2015**

DEBT SERVICE

Expenditure Classification	FY 2012 - 2013	FY 2013 - 2014		FY 2014 - 2015
	Actual	Budget	Estimated	Budget
Water System Revenue Bonds				
Series 2001	-	-	-	-
Series 2002	-	-	-	-
Series 2004	2,558,200	2,564,000	2,564,000	2,465,000
Series 2006	13,200,778	13,201,000	13,201,000	13,316,000
Series 2012	4,745,075	4,750,000	4,750,000	4,748,000
SRF Loans	1,474,233	1,964,000	1,542,000	2,676,000
Interim Financing	-	-	-	-
TOTAL DEBT SERVICE	21,978,286	22,479,000	22,057,000	23,205,000

NET DEBT SERVICE REQUIREMENTS	21,978,286	22,479,000	22,057,000	23,205,000
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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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

5990 - FIXED CHARGES AND DEBT SERVICE

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS & FCST.	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
7071	BOND INTEREST	13,191,570	12,922,000	12,885,000	12,689,000
1810	BOND PRINCIPAL	8,786,716	9,557,000	9,172,000	10,516,000
	TOTAL DEBT SERVICE	21,978,286	22,479,000	22,057,000	23,205,000
	DEPARTMENTAL FIXED CHGS				
4610	ELECTRIC POWER-PLANTS	30,533,512	30,000,000	29,417,558	31,000,000
4620	ELECTRICITY	1,457,476	1,700,000	1,607,516	1,700,000
4660	SEWER SERVICE CHARGE	87,523	112,800	98,796	112,800
4680	TELEPHONE	-	-	74	-
5600	CASE FEES	3,300,000	3,300,000	3,300,000	3,300,000
6010	RETIREMENT SYSTEM-NORMAL	4,570,778	5,160,000	4,999,898	5,208,000
6020	FICA CONTRIBUTIONS	2,130,302	2,400,000	2,171,288	2,400,000
6100	HEALTH BENEFITS-EMPLOYEES	2,034,379	2,640,000	2,485,295	2,904,000
6200	HEALTH BENEFITS-RETIREEES	5,120,550	6,000,000	5,197,501	5,720,000
6250	HEALTH FUND POST-EMPLOYMENT COSTS	3,560,450	6,936,000	6,936,000	5,900,000
6320	UNEMPLOYMENT INSUR BENEFITS	-	21,600	50,704	55,000
1570	MISC /REFUNDS	-	-	-	-
	TOTAL FIXED CHARGES	52,794,971	58,270,400	56,264,630	58,299,800

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

5100 - OFFICE OF THE MANAGER AND CHIEF ENGINEER

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	467,000	585,658	591,970	728,599
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	467,000	585,658	591,970	728,599
	TOTAL POSITIONS	5	6	6	7
4250	OTHER CONTRACTUAL SERVICE	1,448,000	253,540	7,337	4,260
4255	OTHER SERVICES	5,000	44,075	1,710	44,400
4260	ADV & PUBL OF NOTICES	-	500	2,383	500
4265	PRINTING	2,000	1,000	482	1,000
4267	PRINTED FORMS	-	-	-	-
4270	PROFESSIONAL SERVICES	111,000	33,100	19,715	34,093
4430	MISC SUPPLIES	1,000	5,000	1,803	5,000
4460	OTHER MATERIALS & SUPPLIE	-	925	98	925
4470	PARTS AND ACCESSORIES	-	-	-	-
4480	POSTAGE	-	-	-	-
4500	EDUCATION & TRAINING	-	1,000	75	1,000
4650	SECURITY CAMERA CABLE LIN	-	-	-	-
4720	CONFERENCE EXPENSES	13,000	33,321	3,331	33,321
4815	REPAIR AND MAINT OF EQUIP	3,000	3,000	785	3,000
4910	MISC FEES & REGISTRATIONS	150,000	160,940	153,634	162,412
8050	EQUIPMENT UNDER \$5,000	-	200	-	-
	TOTAL MATERIAL & SUPPLIES	1,733,000	536,601	191,353	289,911
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,200,000	1,122,259	783,323	1,018,510

Office's Activity

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

Details of expenditures are shown in each section.

EXECUTIVE SUPPORT OFFICE - TOTAL

BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	380,000	626,700	469,609	930,210
4120	OVERTIME	18,000	30,500	19,524	24,000
4130	MISC PAYROLL COSTS	6,000	-	62	-
	TOTAL PERSONNEL SERVICES	404,000	657,200	489,195	954,210
	TOTAL POSITIONS	11	14	11	18
4160	MEALS, MILEAGE, UNIFORM A	-	2,200	318	2,400
4250	OTHER CONTRACTUAL SERVICE	562,000	615,117	560,701	888,720
4260	ADV & PUBL OF NOTICES	-	2,500	-	-
4265	PRINTING	-	-	-	4,000
4270	PROFESSIONAL SERVICES	276,000	622,400	8,520	650,000
4430	MISC SUPPLIES	5,000	7,792	697	9,500
4460	OTHER MATERIALS & SUPPLIE	20,000	45,104	3,496	16,950
4480	POSTAGE	1,000	500	-	400
4500	EDUCATION & TRAINING	2,000	10,000	90	12,000
4720	CONFERENCE EXPENSES	3,000	14,100	-	46,000
4805	REPAIR AND MAINT OF STRUC	-	-	-	75,000
4815	REPAIR AND MAINT OF EQUIP	16,000	207,000	3,145	52,000
4910	MISC FEES & REGISTRATIONS	-	1,000	5,870	4,000
5700	LIABILITY INSURANCE POLICIES	1,153,000	1,100,000	1,100,162	1,200,000
6350	CLAIMS FOR PERS INJ & PROP DAMAGE	580,000	880,000	765,509	800,000
8050	EQUIPMENT UNDER \$5,000	1,000	1,980	985	25,675
	TOTAL MATERIAL & SUPPLIES	2,619,000	3,509,693	2,449,493	3,786,645
1270	GENERAL PLANT & EQUIPMENT	8,000	-	-	-
	TOTAL EQUIPMENT	8,000	-	-	-
	TOTAL OPERATING EXPENDITURES	3,031,000	4,166,893	2,938,688	4,740,855

Section's Activity

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

Materials, Supplies and Services

4250 Consultant services to conduct organizational study

Equipment

8050	1	Time stamp machine	N	\$500
8050	1	Table,work	N	\$500
8050	1	Shredder	N	\$1,000
8050	1	Smartboard whiteboard system	N	\$2,600
8050	2	Neat scanners	N	\$1,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

**EXECUTIVE SUPPORT OFFICE
5105 - ESO ADMINISTRATION**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	-	-	-	150,444
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	-	-	-	150,444
	TOTAL POSITIONS	-	-	-	3
4250	OTHER CONTRACTUAL SERVICE	-	-	-	50,720
4270	PROFESSIONAL SERVICES	-	-	-	-
4430	MISC SUPPLIES	-	-	-	6,000
4500	EDUCATION & TRAINING	-	-	-	1,000
4720	CONFERENCE EXPENSES	-	-	-	12,000
4910	MISC FEES & REGISTRATIONS	-	-	-	1,000
8050	EQUIPMENT UNDER \$5,000	-	-	-	5,600
	TOTAL MATERIAL & SUPPLIES	-	-	-	76,320
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	-	-	-	226,764

Section's Activity

The Risk Management section provides risk management services that ensure the business and operational exposures of the BWS are covered through either insurance or self - retention policies. 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.

Equipment

8050	---	Hand tools, various	N	\$1,100
8050	1	Camera, digital waterproof	N	\$400

EXECUTIVE SUPPORT OFFICE
5110 - RISK MANAGEMENT SECTION

BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	114,000	269,640	112,495	214,950
4120	OVERTIME	2,000	2,000	2,863	5,500
4130	MISC PAYROLL COSTS	6,000	-	30	-
	TOTAL PERSONNEL SERVICES	122,000	271,640	115,388	220,450
	Personnel Services as a % to Revenue	0.00%	0.00%	0.00%	0.00%
	NO. OF POSITIONS	4	5	3	4
	TOTAL POSITIONS	4	5	3	4
4160	MEALS, MILEAGE, UNIFORM A	-	1,000	226	1,200
4250	OTHER CONTRACTUAL SERVICE	-	1,200	387	-
4260	ADV & PUBL OF NOTICES	-	500	-	-
4270	PROFESSIONAL SERVICES	276,000	622,400	8,520	650,000
4430	MISC SUPPLIES	-	1,000	119	-
4460	OTHER MATERIALS & SUPPLIE	-	1,000	-	-
4480	POSTAGE	1,000	100	-	-
4500	EDUCATION & TRAINING	-	3,000	-	4,000
4720	CONFERENCE EXPENSES	2,000	6,000	-	12,000
4815	REPAIR AND MAINT OF EQUIP	-	7,000	-	2,000
4910	MISC FEES & REGISTRATIONS	-	1,000	5,870	2,200
5700	LIABILITY INSURANCE POLICIES	1,153,000	1,100,000	1,100,162	1,200,000
6350	CLAIMS FOR PERS INJ & PROP DAMAGE	580,000	880,000	765,509	800,000
8050	EQUIPMENT UNDER \$5,000	-	-	-	1,500
	TOTAL MATERIAL & SUPPLIES	2,012,000	2,624,200	1,880,793	2,672,900
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,134,000	2,895,840	1,996,181	2,893,350

Section's Activity

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

Equipment

8050	1	Vehicle strobe lights	N	\$2,000		8050	3	Body Armor	N	\$3,000
8050	1	Vehicle strobe lights	N	\$1,000		8050	1	ladder	N	\$225
8050	2	GPS navigation units	N	\$400		8050	1	Electric engraver	N	\$25
8050	---	chains	N	\$6,300		8050	1	Drill bit kit	N	\$125
8050	1	Wrench set	N	\$125		8050	1	Rotary tool kit	N	\$75
8050	1	Power drill	N	\$300						

**BOARD OF WATER SUPPLY
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**EXECUTIVE SUPPORT OFFICE
5120 - SECURITY**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	129,000	138,204	142,948	119,388
4120	OVERTIME	1,000	3,500	1,662	3,500
4130	MISC PAYROLL COSTS	-	-	32	-
	TOTAL PERSONNEL SERVICES	130,000	141,704	144,641	122,888
	TOTAL POSITIONS	4	4	4	3
4160	MEALS, MILEAGE, UNIFORM A	-	1,000	32	1,000
4250	OTHER CONTRACTUAL SERVICE	562,000	613,917	560,314	838,000
4430	MISC SUPPLIES	4,000	4,792	540	1,500
4460	OTHER MATERIALS & SUPPLIE	20,000	44,104	3,397	16,950
4500	EDUCATION & TRAINING	2,000	7,000	90	3,000
4720	CONFERENCE EXPENSES	1,000	4,100	-	6,000
4805	REPAIR AND MAINT OF STRUC	-	-	-	75,000
4810	REPAIR AND MAINT OF RECYC	-	-	-	-
4815	REPAIR AND MAINT OF EQUIP	16,000	200,000	3,145	50,000
8050	EQUIPMENT UNDER \$5,000	1,000	280	722	13,575
	TOTAL MATERIAL & SUPPLIES	606,000	875,193	568,240	1,005,025
1270	GENERAL PLANT & EQUIPMENT	8,000	-	-	-
	TOTAL EQUIPMENT	8,000	-	-	-
	TOTAL OPERATING EXPENDITURES	744,000	1,016,897	712,881	1,127,913

Section's Activity

The Management and Budget section is responsible for the development and execution of the annual department's operating 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. This section also serves as the departmental coordinator for all proposed legislation each legislative session.

Equipment

8050	3	Chairs, ergonomic office	N	\$1,500
8050	4	Cabinets, lateral file w/ lock	N	\$2,500

**BOARD OF WATER SUPPLY
OPERATING BUDGET
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**EXECUTIVE SUPPORT OFFICE
5125 - MANAGEMENT AND BUDGET SECTION**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	-	-	-	191,472
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	-	-	-	191,472
	TOTAL POSITIONS	-	-	-	3
4265	PRINTING	-	-	-	4,000
4500	EDUCATION & TRAINING	-	-	-	-
4720	CONFERENCE EXPENSES	-	-	-	6,000
4910	MISC FEES & REGISTRATIONS	-	-	-	800
8050	EQUIPMENT UNDER \$5,000	-	-	-	4,000
	TOTAL MATERIAL & SUPPLIES	-	-	-	14,800
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	-	-	-	206,272

Section's Activity

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

Equipment

8050	---	shelving	N	\$1,000
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

**EXECUTIVE SUPPORT OFFICE
5140 - PROCUREMENT SECTION**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	137,000	218,856	214,166	253,956
4120	OVERTIME	15,000	25,000	15,000	15,000
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	152,000	243,856	229,166	268,956
	TOTAL POSITIONS	3	5	4	5
4160	MEALS, MILEAGE, UNIFORM A	-	200	60	200
4260	ADV & PUBL OF NOTICES	-	2,000	-	-
4430	MISC SUPPLIES	1,000	2,000	38	2,000
4460	OTHER MATERIALS & SUPPLIE	-	-	99	-
4480	POSTAGE	-	400	-	400
4500	EDUCATION & TRAINING	-	-	-	4,000
4720	CONFERENCE EXPENSES	-	4,000	-	10,000
8050	EQUIPMENT UNDER \$5,000	-	1,700	263	1,000
	TOTAL MATERIAL & SUPPLIES	1,000	10,300	460	17,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	153,000	254,156	229,626	286,556

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; design consulting fees – Fred Ohrt Museum
- 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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

5130 - COMMUNICATIONS OFFICE

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	444,000	516,048	502,856	524,568
4120	OVERTIME	19,000	55,000	24,827	50,000
4130	MISC PAYROLL COSTS	-	5,250	3,740	3,250
	TOTAL PERSONNEL SERVICES	463,000	576,298	531,423	577,818
	TOTAL POSITIONS	9	10	10	10
4160	MEALS, MILEAGE, UNIFORM A	-	1,000	559	1,000
4250	OTHER CONTRACTUAL SERVICE	131,000	146,700	132,767	175,690
4255	OTHER SERVICES	-	1,160	-	2,000
4260	ADV & PUBL OF NOTICES	10,000	12,300	11,401	13,000
4265	PRINTING	25,000	46,050	43,915	66,500
4430	MISC SUPPLIES	2,000	3,100	2,608	3,100
4460	OTHER MATERIALS & SUPPLIE	12,000	41,035	33,182	46,175
4480	POSTAGE	-	2,500	1,224	2,500
4500	EDUCATION & TRAINING	-	500	500	5,000
4720	CONFERENCE EXPENSES	-	160	160	200
4815	REPAIR AND MAINT OF EQUIP	-	750	750	750
4910	MISC FEES & REGISTRATIONS	-	415	410	360
8050	EQUIPMENT UNDER \$5,000	1,000	2,500	6,000	-
	TOTAL MATERIAL & SUPPLIES	181,000	258,170	233,476	316,275
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	644,000	834,468	764,899	894,093

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

5201 - OCEAN COOLING

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	220,005	220,000	220,008	220,008
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	220,005	220,000	220,008	220,008
	TOTAL POSITIONS	1	1	1	1
4250	OTHER CONTRACTUAL SERVICE	624	-	528	-
4255	OTHER SERVICES	-	-	-	-
4260	ADV & PUBL OF NOTICES	-	-	-	-
4430	MISC SUPPLIES	405	500	182	800
4815	REPAIR AND MAINT OF EQUIP	314,714	428,500	422,094	427,000
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	315,743	429,000	422,804	427,800
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	535,748	649,000	642,812	647,808

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

- 4250 Drug and alcohol testing, employee assistance program services, fitness for duty evaluations, independent medical evaluations, workplace threat assessments, mediation services and reimbursement to the City DHR for a 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.

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

5220 - HUMAN RESOURCES OFFICE

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	366,000	505,056	440,083	523,314
4120	OVERTIME	-	22,000	422	4,643
4130	MISC PAYROLL COSTS	-	34,518	-	1,920
	TOTAL PERSONNEL SERVICES	366,000	561,574	440,505	529,877
	TOTAL POSITIONS	8	9	9	10
4160	MEALS, MILEAGE, UNIFORM A	-	270	-	270
4250	OTHER CONTRACTUAL SERVICE	111,000	-	19,913	250,000
4255	OTHER SERVICES	-	-	-	-
4260	ADV & PUBL OF NOTICES	2,000	27,600	2,042	27,600
4270	PROFESSIONAL SERVICES	107,000	250,004	114,960	-
4275	MEDICAL & SURGICAL SERVIC	361,000	550,000	462,014	550,000
4430	MISC SUPPLIES	-	2,100	506	2,100
4460	OTHER MATERIALS & SUPPLIE	3,000	5,500	1,901	5,500
4480	POSTAGE	-	500	46	500
4500	EDUCATION & TRAINING	6,000	42,000	84	55,000
4720	CONFERENCE EXPENSES	-	3,000	75	-
4815	REPAIR AND MAINT OF EQUIP	1,000	1,800	626	1,800
4910	MISC FEES & REGISTRATIONS	-	5,000	-	-
6340	WORKERS' COMP BENEFITS	453,000	400,000	376,406	719,600
8050	EQUIPMENT UNDER \$5,000	-	1,000	800	-
	TOTAL MATERIAL & SUPPLIES	1,044,000	1,288,774	979,373	1,612,370
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,410,000	1,850,348	1,419,878	2,142,247

Division's Activity

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

Details of expenditures are shown in each section.

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

WATER QUALITY DIVISION - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	736,000	1,090,452	828,379	1,138,310
4120	OVERTIME	103,000	86,396	96,356	87,000
4130	MISC PAYROLL COSTS	4,000	3,600	-	2,400
	TOTAL PERSONNEL SERVICES	843,000	1,180,448	924,736	1,227,710
	TOTAL POSITIONS	14	19	15	21
4160	MEALS, MILEAGE, UNIFORM A	3,000	7,200	5,858	6,000
4250	OTHER CONTRACTUAL SERVICE	729,000	708,700	808,463	776,940
4430	MISC SUPPLIES	-	-	719	500
4460	OTHER MATERIALS & SUPPLIE	56,000	50,200	46,100	60,300
4500	EDUCATION & TRAINING	3,000	7,300	-	-
4720	CONFERENCE EXPENSES	1,000	-	1,298	14,200
4815	REPAIR AND MAINT OF EQUIP	1,000	6,000	2,188	6,500
4910	MISC FEES & REGISTRATIONS	1,000	6,100	40	9,000
8050	EQUIPMENT UNDER \$5,000	3,000	6,800	6,000	9,200
	TOTAL MATERIAL & SUPPLIES	797,000	792,300	870,666	882,640
1270	GENERAL PLANT & EQUIPMENT	-	135,000	-	135,000
	TOTAL EQUIPMENT	-	135,000	-	135,000
	TOTAL OPERATING EXPENDITURES	1,640,000	2,107,748	1,795,402	2,245,350

Section's Activity

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

Materials, Supplies and Services

4250 Water quality monitoring studies

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

WATER QUALITY DIVISION

5250 - WATER QUALITY ADMINISTRATION

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	137,000	166,824	146,368	171,410
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	1,200	-	-
	TOTAL PERSONNEL SERVICES	137,000	168,024	146,368	171,410
	TOTAL POSITIONS	2	2	2	2
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	-
4250	OTHER CONTRACTUAL SERVICE	24,000	60,500	1,463	100,500
4430	MISC SUPPLIES	-	-	398	500
4460	OTHER MATERIALS & SUPPLIE	-	200	87	300
4500	EDUCATION & TRAINING	-	550	-	-
4720	CONFERENCE EXPENSES	-	-	1,298	6,800
4815	REPAIR AND MAINT OF EQUIP	-	-	188	500
4910	MISC FEES & REGISTRATIONS	-	1,500	40	1,500
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	24,000	62,750	3,474	110,100
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	161,000	230,774	149,842	281,510

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

**BOARD OF WATER SUPPLY
OPERATING BUDGET
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**WATER QUALITY DIVISION
5251 - CHEMICAL LABORATORY**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	303,000	550,968	365,790	528,372
4120	OVERTIME	23,000	26,396	26,518	23,490
4130	MISC PAYROLL COSTS	2,000	2,400	-	1,200
	TOTAL PERSONNEL SERVICES	328,000	579,764	392,308	553,062
	TOTAL POSITIONS	6	10	7	11
4160	MEALS, MILEAGE, UNIFORM A	-	1,200	-	3,600
4250	OTHER CONTRACTUAL SERVICE	604,000	532,100	725,000	535,100
4460	OTHER MATERIALS & SUPPLIE	2,000	5,000	5,000	6,000
4500	EDUCATION & TRAINING	-	1,450	-	-
4720	CONFERENCE EXPENSES	-	-	-	1,300
4815	REPAIR AND MAINT OF EQUIP	1,000	2,000	1,000	2,000
4910	MISC FEES & REGISTRATIONS	-	-	-	2,500
8050	EQUIPMENT UNDER \$5,000	-	3,300	3,000	-
	TOTAL MATERIAL & SUPPLIES	607,000	545,050	734,000	550,500
1270	GENERAL PLANT & EQUIPMENT	136,000	135,000	-	125,000
	TOTAL EQUIPMENT	136,000	135,000	-	125,000
	TOTAL OPERATING EXPENDITURES	1,071,000	1,259,814	1,126,308	1,228,562

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	3	Portable chlorine meter	R	\$2,100
8050	1	Compound microscope	R	\$5,000
8050	7	IPhone (electronic data collection –Locus Technology app	N	\$2,100
1270	1	Incubator	R	\$10,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
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**WATER QUALITY DIVISION
5252 - MICROBIOLOGICAL LABORATORY**

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2013-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	296,000	372,660	316,221	438,528
4120	OVERTIME	80,000	60,000	69,838	63,510
4130	MISC PAYROLL COSTS	2,000	-	-	1,200
	TOTAL PERSONNEL SERVICES	378,000	432,660	386,059	503,238
	TOTAL POSITIONS	6	7	6	8
4160	MEALS, MILEAGE, UNIFORM A	3,000	6,000	5,858	2,400
4250	OTHER CONTRACTUAL SERVICE	101,000	116,100	82,000	141,340
4430	MISC SUPPLIES	-	-	321	-
4460	OTHER MATERIALS & SUPPLIE	54,000	45,000	41,013	54,000
4500	EDUCATION & TRAINING	3,000	5,300	-	-
4720	CONFERENCE EXPENSES	1,000	-	-	6,100
4815	REPAIR AND MAINT OF EQUIP	-	4,000	1,000	4,000
4910	MISC FEES & REGISTRATIONS	1,000	4,600	-	5,000
8050	EQUIPMENT UNDER \$5,000	3,000	3,500	3,000	9,200
	TOTAL MATERIAL & SUPPLIES	166,000	184,500	133,192	222,040
1270	GENERAL PLANT & EQUIPMENT	-	-	-	10,000
	TOTAL EQUIPMENT	-	-	-	10,000
	TOTAL OPERATING EXPENDITURES	544,000	617,160	519,251	735,278

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
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CUSTOMER CARE DIVISION- TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	3,455,000	3,520,296	3,773,160	3,849,090
4120	OVERTIME	294,000	377,400	365,652	316,200
4130	MISC PAYROLL COSTS	1,000	114,300	105,616	100,899
	TOTAL PERSONNEL SERVICES	3,750,000	4,011,996	4,244,427	4,266,189
	TOTAL POSITIONS	72	77	85	89
4160	MEALS, MILEAGE, UNIFORM A	16,000	22,300	19,200	22,700
4220	COLLECTION FEES	239,000	870,000	648,500	660,000
4250	OTHER CONTRACTUAL SERVICE	25,000	50,400	50,000	50,800
4267	PRINTED FORMS	-	1,700	200	1,700
4430	MISC SUPPLIES	8,000	5,650	6,175	5,650
4460	OTHER MATERIALS & SUPPLIE	39,000	32,400	27,200	44,200
4500	EDUCATION & TRAINING	-	21,285	10,385	4,200
4720	CONFERENCE EXPENSES	-	-	-	11,700
4815	REPAIR AND MAINT OF EQUIP	20,000	39,400	38,700	32,400
4910	MISC FEES & REGISTRATIONS	1,000	1,800	1,000	1,600
8050	EQUIPMENT UNDER \$5,000	23,000	32,875	32,875	40,500
	TOTAL MATERIAL & SUPPLIES	371,000	1,077,810	834,235	875,450
1270	GENERAL PLANT & EQUIPMENT	26,000	-	-	50,000
	TOTAL EQUIPMENT	26,000	-	-	50,000
	TOTAL OPERATING EXPENDITURES	4,147,000	5,089,806	5,078,662	5,191,639

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
OPERATING BUDGET
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CUSTOMER CARE DIVISION

5300 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	268,000	232,554	234,904	214,416
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	600	-	17,000
	TOTAL PERSONNEL SERVICES	268,000	233,154	234,904	231,416
	TOTAL POSITIONS	3	3	2	3
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	-
4250	OTHER CONTRACTUAL SERVICE	-	30,000	17,500	30,000
4255	OTHER SERVICES	-	-	-	-
4270	PROFESSIONAL SERVICES	-	-	-	-
4430	MISC SUPPLIES	4,000	4,000	5,000	4,000
4460	OTHER MATERIALS & SUPPLIE	19,000	18,000	13,500	12,000
4500	EDUCATION & TRAINING	-	21,285	10,385	4,200
4720	CONFERENCE EXPENSES	-	-	-	11,700
4815	REPAIR AND MAINT OF EQUIP	-	1,200	-	1,200
8050	EQUIPMENT UNDER \$5,000	-	-	1,000	1,000
	TOTAL MATERIAL & SUPPLIES	23,000	74,485	47,385	64,100
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	291,000	307,639	282,289	295,516

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CUSTOMER CARE DIVISION

Customer Service Branch

5310 - Collection and Credit Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	609,000	711,852	613,921	664,848
4120	OVERTIME	15,000	6,000	5,732	6,000
4130	MISC PAYROLL COSTS	-	2,400	6,919	19,200
	TOTAL PERSONNEL SERVICES	624,000	720,252	626,571	690,048
					-
	TOTAL POSITIONS	15	17	15	16
4160	MEALS, MILEAGE, UNIFORM A	-	2,100	1,400	2,100
4220	COLLECTION FEES	239,000	870,000	648,500	660,000
4250	OTHER CONTRACTUAL SERVICE	4,000	4,400	1,750	4,800
4251	SOFTWARE LICENSES & MAINT.	-	-	-	-
4255	OTHER SERVICES	-	-	-	-
4260	ADV & PUBL OF NOTICES	-	-	-	-
4265	PRINTING	-	-	-	-
4267	PRINTED FORMS	-	1,500	-	1,500
4430	MISC SUPPLIES	3,000	500	375	500
4460	OTHER MATERIALS & SUPPLIE	-	1,200	1,600	1,000
4815	REPAIR AND MAINT OF EQUIP	13,000	20,000	20,000	2,000
8050	EQUIPMENT UNDER \$5,000	-	1,000	-	1,000
	TOTAL MATERIAL & SUPPLIES	259,000	900,700	673,625	672,900
1270	GENERAL PLANT & EQUIPMENT	26,000	-	-	-
	TOTAL EQUIPMENT	26,000	-	-	-
	TOTAL OPERATING EXPENDITURES	909,000	1,620,952	1,300,196	1,362,948

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CUSTOMER CARE DIVISION

Engineering Services Branch

5320 - Service Engineering Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	417,000	432,288	434,395	430,969
4120	OVERTIME	2,000	1,800	1,697	1,800
4130	MISC PAYROLL COSTS	-	9,500	5,875	-
	TOTAL PERSONNEL SERVICES	419,000	443,588	441,967	432,769
	TOTAL POSITIONS	7	7	7	7
4160	MEALS, MILEAGE, UNIFORM A	-	400	200	400
4460	OTHER MATERIALS & SUPPLIE	-	1,200	600	1,200
4815	REPAIR AND MAINT OF EQUIP	1,000	1,000	-	1,000
8050	EQUIPMENT UNDER \$5,000	-	400	400	400
	TOTAL MATERIAL & SUPPLIES	1,000	3,000	1,200	3,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	420,000	446,588	443,167	435,769

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	3	Impact drill and driver sets	R	\$600
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CUSTOMER CARE DIVISION

Engineering Services Branch

5325 - Cross-Connection Control and Backflow Prevention Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	212,000	306,348	232,651	345,948
4120	OVERTIME	1,000	2,400	1,505	2,400
4130	MISC PAYROLL COSTS	-	1,200	736	-
	TOTAL PERSONNEL SERVICES	213,000	309,948	234,892	348,348
	TOTAL POSITIONS	7	7	5	8
4160	MEALS, MILEAGE, UNIFORM A	-	100	100	500
4430	MISC SUPPLIES	-	450	300	450
4460	OTHER MATERIALS & SUPPLIE	18,000	7,000	6,000	25,000
4815	REPAIR AND MAINT OF EQUIP	3,000	15,000	15,500	15,000
4910	MISC FEES & REGISTRATIONS	1,000	1,200	1,000	1,000
8050	EQUIPMENT UNDER \$5,000	1,000	1,000	1,000	600
	TOTAL MATERIAL & SUPPLIES	23,000	24,750	23,900	42,550
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	236,000	334,698	258,792	390,898

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 Head sets	N	\$2,500
1270	24	Modular stations – Call Center	N	\$50,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CUSTOMER CARE DIVISION

Customer Service Branch

5330 - Customer Service and Records Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	631,000	588,054	965,751	936,989
4120	OVERTIME	19,000	19,200	39,707	18,000
4130	MISC PAYROLL COSTS	-	21,800	21,807	-
	TOTAL PERSONNEL SERVICES	650,000	629,054	1,027,265	954,989
	TOTAL POSITIONS	12	19	31	29
4160	MEALS, MILEAGE, UNIFORM A	-	1,700	1,100	1,700
4267	PRINTED FORMS	-	200	200	200
4430	MISC SUPPLIES	-	300	200	300
4815	REPAIR AND MAINT OF EQUIP	-	200	200	200
8050	EQUIPMENT UNDER \$5,000	1,000	2,475	2,475	2,500
	TOTAL MATERIAL & SUPPLIES	1,000	4,875	4,175	4,900
1270	GENERAL PLANT & EQUIPMENT	-	-	-	50,000
	TOTAL EQUIPMENT	-	-	-	50,000
	TOTAL OPERATING EXPENDITURES	651,000	633,929	1,031,440	1,009,889

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.	Various pipe and marker ball locators, leak detection equipment, pressure recorders, and meter masters	R	\$35,000
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CUSTOMER CARE DIVISION
Customer Service Branch
5350 - Investigative Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,318,000	1,249,200	1,291,538	1,255,920
4120	OVERTIME	257,000	348,000	317,010	288,000
4130	MISC PAYROLL COSTS	1,000	78,800	70,279	64,699
	TOTAL PERSONNEL SERVICES	1,576,000	1,676,000	1,678,827	1,608,619
	TOTAL POSITIONS	28	24	25	26
4160	MEALS, MILEAGE, UNIFORM A	16,000	18,000	16,400	18,000
4250	OTHER CONTRACTUAL SERVICE	21,000	16,000	17,000	16,000
4430	MISC SUPPLIES	1,000	400	300	400
4460	OTHER MATERIALS & SUPPLIE	2,000	5,000	5,500	5,000
4470	PARTS AND ACCESSORIES	-	-	-	-
4815	REPAIR AND MAINT OF EQUIP	3,000	2,000	3,000	13,000
4910	MISC FEES & REGISTRATIONS	-	600	-	600
8050	EQUIPMENT UNDER \$5,000	21,000	28,000	28,000	35,000
	TOTAL MATERIAL & SUPPLIES	64,000	70,000	70,200	88,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,640,000	1,746,000	1,749,027	1,696,619

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 fee

**BOARD OF WATER SUPPLY
OPERATING BUDGET
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5400 - LAND DIVISION

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	183,000	250,416	231,667	269,532
4120	OVERTIME	6,000	7,800	14,374	15,600
4130	MISC PAYROLL COSTS	-	8,400	4,900	8,400
	TOTAL PERSONNEL SERVICES	189,000	266,616	250,941	293,532
	TOTAL POSITIONS	3	5	4	5
4160	MEALS, MILEAGE, UNIFORM A	-	-	300	500
4210	APPRAISALS, TITLE SEARCHE	24,000	420,500	251,600	420,500
4250	OTHER CONTRACTUAL SERVICE	286,000	301,100	583	100,900
4430	MISC SUPPLIES	-	300	600	500
4460	OTHER MATERIALS & SUPPLIE	-	-	157	-
4480	POSTAGE	-	100	138	200
4910	MISC FEES & REGISTRATIONS	14,000	14,500	14,500	19,200
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	330,000	736,500	267,878	541,800
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	519,000	1,003,116	518,819	835,332

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

WATER RESOURCES DIVISION - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,515,000	1,987,418	1,656,187	2,266,348
4120	OVERTIME	35,000	61,255	64,272	62,064
4130	MISC PAYROLL COSTS	-	129,754	550	73,502
	TOTAL PERSONNEL SERVICES	1,550,000	2,178,427	1,721,009	2,401,914
	TOTAL POSITIONS	23	32	27	38
4160	MEALS, MILEAGE, UNIFORM A	-	3,044	3,608	3,660
4250	OTHER CONTRACTUAL SERVICE	658,000	509,008	506,456	667,970
4255	OTHER SERVICES	41,000	87,900	76,000	125,540
4265	PRINTING	-	500	200	500
4270	PROFESSIONAL SERVICES	-	150,000	152,097	-
4410	GASOLINE	-	-	413	-
4430	MISC SUPPLIES	5,000	12,000	8,958	6,000
4460	OTHER MATERIALS & SUPPLIE	11,000	20,554	10,744	12,500
4480	POSTAGE	-	-	-	480
4500	EDUCATION & TRAINING	2,000	18,410	11,369	11,529
4680	TELEPHONE	-	10,260	9,600	12,000
4720	CONFERENCE EXPENSES	7,000	14,210	11,155	20,260
4810	REPAIR AND MAINT OF RECYC	388,000	1,549,000	800,000	2,832,700
4815	REPAIR AND MAINT OF EQUIP	11,000	36,410	37,328	13,030
4910	MISC FEES & REGISTRATIONS	-	400	345	300
4920	NON-POTABLE WATER TREATME	4,279,000	5,231,100	5,450,000	5,507,800
4940	USGS COOPERATIVE INVESTIG	166,000	157,500	156,525	482,101
8050	EQUIPMENT UNDER \$5,000	13,000	17,640	21,440	20,375
	TOTAL MATERIAL & SUPPLIES	5,581,000	7,817,936	7,256,238	9,716,745
1270	GENERAL PLANT & EQUIPMENT	79,000	120,300	115,300	46,140
	TOTAL EQUIPMENT	79,000	120,300	115,300	46,140
	TOTAL OPERATING EXPENDITURES	7,210,000	10,116,663	9,092,547	12,164,799

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 for Central Oahu.

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

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014-2015**

WATER RESOURCES DIVISION

5450 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	355,000	328,080	354,288	392,728
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	32,856	250	1,956
	TOTAL PERSONNEL SERVICES	355,000	360,936	354,538	394,684
	TOTAL POSITIONS	5	5	5	6
4250	OTHER CONTRACTUAL SERVICE	326,000	312,000	315,743	101,440
4430	MISC SUPPLIES	5,000	9,000	8,780	6,000
4460	OTHER MATERIALS & SUPPLIE	-	-	20	-
4680	TELEPHONE	-	660	-	-
4720	CONFERENCE EXPENSES	-	1,700	2,444	1,870
4815	REPAIR AND MAINT OF EQUIP	-	500	483	500
8050	EQUIPMENT UNDER \$5,000	-	500	500	-
	TOTAL MATERIAL & SUPPLIES	331,000	324,360	327,970	109,810
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	686,000	685,296	682,508	504,494

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 flow meters and pressure recorders, etc.

Equipment

8050	---	Digital camera, multi-meter replacement and 4 chairs	R	\$2,475
8050	2	HPR pressure recorders	R	6,140

**BOARD OF WATER SUPPLY
OPERATING BUDGET
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WATER RESOURCES DIVISION

5470 - Water System Planning

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	119,000	244,318	215,872	311,512
4120	OVERTIME	7,000	21,348	5,141	12,108
4130	MISC PAYROLL COSTS	-	14,808	250	22,728
	TOTAL PERSONNEL SERVICES	126,000	280,474	221,263	346,348
	TOTAL POSITIONS	2	5	4	5
4160	MEALS, MILEAGE, UNIFORM A	-	-	80	-
4250	OTHER CONTRACTUAL SERVICE	-	1,200	-	4,230
4460	OTHER MATERIALS & SUPPLIE	1,000	1,500	1,465	1,500
4480	POSTAGE	-	-	-	480
4500	EDUCATION & TRAINING	-	6,810	2,324	4,000
4720	CONFERENCE EXPENSES	1,000	3,790	3,217	3,740
4815	REPAIR AND MAINT OF EQUIP	-	-	935	6,530
4910	MISC FEES & REGISTRATIONS	-	-	136	-
8050	EQUIPMENT UNDER \$5,000	6,000	9,440	5,140	2,475
	TOTAL MATERIAL & SUPPLIES	8,000	22,740	13,297	22,955
1270	GENERAL PLANT & EQUIPMENT	19,000	-	-	6,140
	TOTAL EQUIPMENT	19,000	-	-	6,140
	TOTAL OPERATING EXPENDITURES	153,000	303,214	234,560	375,443

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

8050	5	Chairs, ergonomic	R	\$2,500
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BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014-2015

WATER RESOURCES DIVISION

5472 - Conservation

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	224,000	329,382	236,406	429,796
4120	OVERTIME	7,000	9,817	6,330	8,838
4130	MISC PAYROLL COSTS	-	42,498	50	15,758
	TOTAL PERSONNEL SERVICES	231,000	381,697	242,786	454,392
	TOTAL POSITIONS	3	6	4	7
4160	MEALS, MILEAGE, UNIFORM A	-	2,004	2,004	2,100
4250	OTHER CONTRACTUAL SERVICE	153,000	4,008	-	150,000
4255	OTHER SERVICES	-	10,000	-	-
4270	PROFESSIONAL SERVICES	-	150,000	152,097	-
4410	GASOLINE	-	-	413	-
4430	MISC SUPPLIES	-	3,000	-	-
4460	OTHER MATERIALS & SUPPLIE	7,000	2,004	544	4,200
4500	EDUCATION & TRAINING	2,000	2,000	145	2,000
4720	CONFERENCE EXPENSES	4,000	4,100	1,800	7,040
4815	REPAIR AND MAINT OF EQUIP	1,000	29,910	29,910	-
8050	EQUIPMENT UNDER \$5,000	4,000	-	8,172	2,500
	TOTAL MATERIAL & SUPPLIES	171,000	207,026	195,085	167,840
1270	GENERAL PLANT & EQUIPMENT	60,000	65,000	60,000	-
	TOTAL EQUIPMENT	60,000	65,000	60,000	-
	TOTAL OPERATING EXPENDITURES	462,000	653,723	497,871	622,232

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
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WATER RESOURCES DIVISION

5475 - Recycled Water

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	-	-	-	-
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	-	-	-	-
	TOTAL POSITIONS	-	-	-	-
4160	MEALS, MILEAGE, UNIFORM A	-	520	-	-
4250	OTHER CONTRACTUAL SERVICE	74,000	120,600	120,600	111,100
4265	PRINTING	-	200	200	200
4460	OTHER MATERIALS & SUPPLIE	-	1,700	1,389	1,400
4720	CONFERENCE EXPENSES	-	650	300	-
4810	REPAIR AND MAINT OF RECYC	388,000	1,549,000	800,000	2,832,700
4920	NON-POTABLE WATER TREATME	4,279,000	5,231,100	5,450,000	5,507,800
4940	USGS COOPERATIVE INVESTIG	-	-	-	68,000
8050	EQUIPMENT UNDER \$5,000	-	400	433	400
	TOTAL MATERIAL & SUPPLIES	4,741,000	6,904,170	6,372,922	8,521,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	4,741,000	6,904,170	6,372,922	8,521,600

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

8050	---	rain gages, GPS and weather station handheld field instruments	R/N	\$12,500
1270	---	conductivity logging equipment	R	10,000
1270	---	solar panels and modems for remote hydrologic data loggers	R	30,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
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WATER RESOURCES DIVISION

5480 - Hydrology/Geology

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	374,000	448,020	406,589	452,712
4120	OVERTIME	3,000	5,069	26,906	7,098
4130	MISC PAYROLL COSTS	-	3,061	-	2,027
	TOTAL PERSONNEL SERVICES	377,000	456,150	433,495	461,837
	TOTAL POSITIONS	6	7	7	8
4160	MEALS, MILEAGE, UNIFORM A	-	300	370	300
4250	OTHER CONTRACTUAL SERVICE	105,000	70,000	70,113	300,000
4255	OTHER SERVICES	41,000	77,900	76,000	125,540
4265	PRINTING	-	300	-	300
4460	OTHER MATERIALS & SUPPLIE	3,000	13,000	6,591	3,050
4500	EDUCATION & TRAINING	-	7,800	7,800	2,729
4680	TELEPHONE	-	9,600	9,600	12,000
4720	CONFERENCE EXPENSES	1,000	400	280	2,200
4815	REPAIR AND MAINT OF EQUIP	10,000	6,000	6,000	6,000
4910	MISC FEES & REGISTRATIONS	-	400	209	300
4940	USGS COOPERATIVE INVESTIG	166,000	157,500	156,525	414,101
8050	EQUIPMENT UNDER \$5,000	3,000	7,000	6,895	12,500
	TOTAL MATERIAL & SUPPLIES	329,000	350,200	340,383	879,020
1270	GENERAL PLANT & EQUIPMENT	-	55,300	55,300	40,000
	TOTAL EQUIPMENT	-	55,300	55,300	40,000
	TOTAL OPERATING EXPENDITURES	706,000	861,650	829,178	1,380,857

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	5	chairs	R	\$2,000
8050	1	Flatbed scanner	N	\$500

**BOARD OF WATER SUPPLY
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WATER RESOURCES DIVISION

5490 - Project Review

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	144,000	255,344	109,226	246,424
4120	OVERTIME	6,000	11,400	6,579	8,400
4130	MISC PAYROLL COSTS	-	15,756	-	17,173
	TOTAL PERSONNEL SERVICES	150,000	282,500	115,805	271,997
	TOTAL POSITIONS	2	3	1	4
4160	MEALS, MILEAGE, UNIFORM A	-	100	230	300
4460	OTHER MATERIALS & SUPPLIE	-	400	-	400
4500	EDUCATION & TRAINING	-	600	600	1,600
4720	CONFERENCE EXPENSES	-	650	650	1,670
8050	EQUIPMENT UNDER \$5,000	-	300	300	2,500
	TOTAL MATERIAL & SUPPLIES	-	2,050	1,780	6,470
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	150,000	284,550	117,585	278,467

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
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WATER RESOURCES DIVISION

5495 - Long Range Planning

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	299,000	382,274	333,805	433,176
4120	OVERTIME	12,000	13,621	19,316	25,621
4130	MISC PAYROLL COSTS	-	20,775	-	13,860
	TOTAL PERSONNEL SERVICES	311,000	416,670	353,121	472,657
	TOTAL POSITIONS	5	6	5	8
4160	MEALS, MILEAGE, UNIFORM A	-	120	924	960
4250	OTHER CONTRACTUAL SERVICE	-	1,200	-	1,200
4430	MISC SUPPLIES	-	-	178	-
4460	OTHER MATERIALS & SUPPLIE	-	1,950	735	1,950
4500	EDUCATION & TRAINING	-	1,200	500	1,200
4720	CONFERENCE EXPENSES	1,000	2,920	2,464	3,740
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	1,000	7,390	4,801	9,050
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	312,000	424,060	357,922	481,707

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.

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FIELD OPERATIONS - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & ECST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	8,522,187	12,713,220	11,390,985	12,844,273
4120	OVERTIME	1,271,550	1,657,000	1,177,838	1,523,400
4130	MISC PAYROLL COSTS	511,869	700,200	474,530	576,400
	TOTAL PERSONNEL SERVICES	10,305,606	15,070,420	13,043,353	14,944,073
	TOTAL POSITIONS	199	254	236	255
1110	MATERIALS & SUPPLIES	1,437,000	1,440,000	1,310,000	2,000,000
1120	METERS	462,000	800,000	800,000	1,200,000
1125	AMR MATERIALS & SUPPLIES	2,796,000	1,000,000	1,000,000	1,320,000
4160	MEALS, MILEAGE, UNIFORM A	97,334	108,100	96,835	113,000
4230	EMERGENCY & CONTR ROAD RE	2,221,000	3,500,000	2,694,000	3,500,000
4250	OTHER CONTRACTUAL SERVICE	4,477,697	548,780	645,554	503,700
4267	PRINTED FORMS	-	600	350	600
4270	PROFESSIONAL SERVICES	-	-	-	-
4280	REFUSE COLLECTION & DISPO	317,204	397,000	633,639	400,000
4410	GASOLINE	-	-	331	-
4420	HIGHWAY MATERIALS	12,000	60,000	34,000	48,000
4430	MISC SUPPLIES	7,287	12,200	8,282	12,000
4460	OTHER MATERIALS & SUPPLIE	225,649	307,200	246,756	300,000
4470	PARTS AND ACCESSORIES	190	5,000	1,250	4,200
4500	EDUCATION & TRAINING	6,200	12,000	10,149	12,000
4720	CONFERENCE EXPENSES	6,000	24,000	11,508	24,000
4805	REPAIR AND MAINT OF STRUC	41,281	60,000	34,574	60,000
4815	REPAIR AND MAINT OF EQUIP	18,652	47,400	27,254	33,600
4910	MISC FEES & REGISTRATIONS	1,000	900	80	-
4920	NON-POTABLE WATER TREATME	-	24,000	-	60,000
4923	STORE MATERIALS & EXP DIS	455,580	378,000	500,000	500,000
8050	EQUIPMENT UNDER \$5,000	56,448	76,800	70,952	134,300
	TOTAL MATERIAL & SUPPLIES	12,638,522	8,801,980	8,125,514	10,225,400
1270	GENERAL PLANT & EQUIPMENT	-	108,000	-	249,400
	TOTAL EQUIPMENT	-	108,000	-	249,400
	TOTAL OPERATING EXPENDITURES	22,944,128	23,980,400	21,168,867	25,418,873

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
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FIELD OPERATIONS
5500 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	299,000	460,032	384,182	418,081
4120	OVERTIME	-	1,200	-	4,800
4130	MISC PAYROLL COSTS	-	56,000	-	40,000
	TOTAL PERSONNEL SERVICES	299,000	517,232	384,182	462,881
	TOTAL POSITIONS	5	6	5	6
4160	MEALS, MILEAGE, UNIFORM A	-	-	10	1,800
4250	OTHER CONTRACTUAL SERVICE	40,000	60,000	45,610	148,000
4270	PROFESSIONAL SERVICES	-	-	-	-
4460	OTHER MATERIALS & SUPPLIE	1,000	-	-	6,000
4500	EDUCATION & TRAINING	6,000	12,000	10,049	12,000
4720	CONFERENCE EXPENSES	6,000	24,000	10,200	24,000
4815	REPAIR AND MAINT OF EQUIP	-	-	-	-
4910	MISC FEES & REGISTRATIONS	1,000	-	80	-
8050	EQUIPMENT UNDER \$5,000	-	-	-	28,800
	TOTAL MATERIAL & SUPPLIES	54,000	96,000	65,949	220,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	149,000
	TOTAL EQUIPMENT	-	-	-	149,000
	TOTAL OPERATING EXPENDITURES	353,000	613,232	450,131	832,481

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

Administrative Support Branch

5510 - Distribution Branch Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	100,000	177,132	189,513	231,534
4120	OVERTIME	1,000	1,200	-	1,200
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	101,000	178,332	189,513	232,734
	TOTAL POSITIONS	3	4	5	7
4230	EMERGENCY & CONTR ROAD RE	2,221,000	3,500,000	2,694,000	3,500,000
4250	OTHER CONTRACTUAL SERVICE	-	-	41,000	-
4430	MISC SUPPLIES	5,000	10,000	7,000	10,000
4460	OTHER MATERIALS & SUPPLIE	-	7,200	4,200	-
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	2,226,000	3,517,200	2,746,200	3,510,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,327,000	3,695,532	2,935,713	3,742,734

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

- Cost center 5521

8050	2	Oasis water fountain P3CP	R	\$1,500		8050	6	Fire hoses	R	\$2,100
8050	1	Pipe cutting saw	R	\$2,000		8050	12	Safety sign stands	R	\$3,000
8050	2	1.5" pump	R	\$1,200		8050	14	Safety signs	R	\$2,800
8050	2	2" pump	R	\$1,200		8050	6	Safety sign overlays	R	\$600
8050	2	3" pump & wheel kit	R	\$4,200		8050	18	Safety sign braces	R	\$900
8050	2	Chipping hammer	R	\$1,100		1270	1	Mueller CL-12 tapping machine	R	\$40,000

- Cost center 5522

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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 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,606,866	2,518,008	2,288,782	2,612,688
4120	OVERTIME	136,131	236,000	119,903	199,800
4130	MISC PAYROLL COSTS	147,382	93,600	119,390	116,700
	TOTAL PERSONNEL SERVICES	1,890,379	2,847,608	2,528,075	2,929,188
	TOTAL POSITIONS	42	52	51	56
4160	MEALS, MILEAGE, UNIFORM A	12,565	15,600	16,867	15,600
4250	OTHER CONTRACTUAL SERVICE	52,810	200,000	194,764	240,000
4280	REFUSE COLLECTION & DISPO	317,204	397,000	633,639	400,000
4460	OTHER MATERIALS & SUPPLIE	50,444	90,000	79,734	90,000
4470	PARTS AND ACCESSORIES	190	3,000	1,250	3,000
4500	EDUCATION & TRAINING	200	-	100	-
4805	REPAIR AND MAINT OF STRUC	1,093	-	1,771	-
4815	REPAIR AND MAINT OF EQUIP	8,368	6,000	10,217	9,600
8050	EQUIPMENT UNDER \$5,000	21,438	19,300	15,106	30,000
	TOTAL MATERIAL & SUPPLIES	464,312	730,900	953,448	788,200
1270	GENERAL PLANT & EQUIPMENT	10,784	-	-	46,400
	TOTAL EQUIPMENT	10,784	-	-	46,400
	TOTAL OPERATING EXPENDITURES	2,365,475	3,578,508	3,481,523	3,763,788

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	3	14" pipe saw	R	\$4,800		8050	1	13" portable planer & stand	R	\$1,000
8050	1	2000W generator	R	\$1,200		8050	1	Transit level	R	\$1,100
8050	1	Pneumatic chipping hammer	R	\$600		8050	1	Paint sprayer kit	R	\$400
8050	1	1 ½ " sump pump	N	\$600		8050	1	Hammer/impact kit	R	\$400
8050	2	Crimper tool	R	\$1,500		1270	2	Trench compactor	R	\$10,000

**BOARD OF WATER SUPPLY
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FIELD OPERATIONS

Distribution Branch

5530 - Construction Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,764,000	2,243,892	2,011,491	2,192,316
4120	OVERTIME	494,000	650,000	394,156	600,000
4130	MISC PAYROLL COSTS	135,000	152,400	82,547	91,500
	TOTAL PERSONNEL SERVICES	2,393,000	3,046,292	2,488,193	2,883,816
	TOTAL POSITIONS	37	39	37	37
4160	MEALS, MILEAGE, UNIFORM A	31,000	36,000	28,260	36,000
4250	OTHER CONTRACTUAL SERVICE	34,000	47,000	58,867	47,000
4460	OTHER MATERIALS & SUPPLIE	34,000	36,000	33,659	36,000
4720	CONFERENCE EXPENSES	-	-	876	-
4805	REPAIR AND MAINT OF STRUC	34,000	36,000	19,181	36,000
4815	REPAIR AND MAINT OF EQUIP	-	6,000	3,005	-
8050	EQUIPMENT UNDER \$5,000	12,000	7,000	6,544	11,600
	TOTAL MATERIAL & SUPPLIES	145,000	168,000	150,392	166,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	10,000
	TOTAL EQUIPMENT	-	-	-	10,000
	TOTAL OPERATING EXPENDITURES	2,538,000	3,214,292	2,638,585	3,060,416

Section's Activity

The Suburban Field Services Branch, in the respective suburban areas, operates the distribution systems, including the installation, maintenance and repairs 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 base yards.

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

• Cost center 5541

8050	9	Weed trimmers	R	\$6,300		8050	3	Pavement breakers	R	\$4,500
8050	1	Hedge trimmer	R	\$500		8050	3	Pavement breakers	R	\$4,200
8050	1	Chain saw	R	\$400		8050	8	Fire hoses	R	\$2,000
8050	1	blower	R	\$500		8050	1	shelving	R	\$2,600
8050	22	Chairs, office	R	\$4,400		1270	1	Riding mower	R	\$10,000

• Cost center 5542

8050	1	Gas monitor	R	\$1,600		8050	1	Ice machine,	R	\$4,500
8050	1	Tapping machine. Mueller	R	\$1,900		8050	2	Pump,	R	\$1,200
8050	1	Tapping machine	R	\$1,600		8050	2	Generator, 2000W	R	\$2,400

• Cost center 5543

8050	2	Sump pump	R	\$1,600	
8050	1	Ice machine,	R	\$4,500	

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FIELD OPERATIONS

Suburban Field Services Branch

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

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	2,510,216	3,272,064	3,093,280	3,313,986
4120	OVERTIME	422,070	540,600	468,415	480,000
4130	MISC PAYROLL COSTS	118,975	243,400	143,834	157,500
	TOTAL PERSONNEL SERVICES	3,051,261	4,056,064	3,705,529	3,951,486
	TOTAL POSITIONS	57	64	63	65
4160	MEALS, MILEAGE, UNIFORM A	31,655	33,000	29,607	35,000
4250	OTHER CONTRACTUAL SERVICE	42,699	85,000	149,098	43,000
4430	MISC SUPPLIES	2,142	2,000	1,282	2,000
4460	OTHER MATERIALS & SUPPLIE	46,491	54,000	44,288	54,000
4805	REPAIR AND MAINT OF STRUC	-	-	892	-
4815	REPAIR AND MAINT OF EQUIP	4,679	9,600	5,413	7,200
4910	MISC FEES & REGISTRATIONS	-	-	-	-
4923	STORE MATERIALS & EXP DIS	7,580	-	-	-
8050	EQUIPMENT UNDER \$5,000	16,203	29,600	29,516	44,700
	TOTAL MATERIAL & SUPPLIES	151,449	213,200	260,096	185,900
1270	GENERAL PLANT & EQUIPMENT	-	-	-	10,000
	TOTAL EQUIPMENT	-	-	-	10,000
	TOTAL OPERATING EXPENDITURES	3,202,710	4,269,264	3,965,625	4,147,386

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	2	Makita leaf blower	N	\$700		8050	3	Sensor 15" vacuum	R	\$2,700
8050	1	Grizzly carpet & floor blower	N	\$400		8050	1	Hawk 17" floor machine	R	\$1,200

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FIELD OPERATIONS

Distribution Branch

Maintenance Section

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

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	615,856	1,061,580	798,060	1,261,824
4120	OVERTIME	101,349	42,000	63,839	90,000
4130	MISC PAYROLL COSTS	53,512	39,600	36,000	43,400
	TOTAL PERSONNEL SERVICES	770,717	1,143,180	897,899	1,395,224
	TOTAL POSITIONS	15	24	18	26
4160	MEALS, MILEAGE, UNIFORM A	9,586	6,600	6,676	8,400
4250	OTHER CONTRACTUAL SERVICE	13,188	11,000	11,690	12,000
4430	MISC SUPPLIES	145	-	-	-
4460	OTHER MATERIALS & SUPPLIE	6,410	6,000	4,931	6,000
4805	REPAIR AND MAINT OF STRUC	188	24,000	10,205	24,000
4815	REPAIR AND MAINT OF EQUIP	-	-	158	-
8050	EQUIPMENT UNDER \$5,000	-	1,000	461	5,000
	TOTAL MATERIAL & SUPPLIES	29,517	48,600	34,121	55,400
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	800,234	1,191,780	932,020	1,450,624

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	16	Fire hoses	R	\$5,000		8050	3	Neptune Flosearch transmitter	R	\$1,500
8050	3	Impact wrenches	R	\$1,500		8050	3	Neptune magnetic sensor cable	R	\$1,800
8050	2	Sensus Unipro communicator	N	\$600		8050	1	Honda pump	N	\$600

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FIELD OPERATIONS
5552 - Meter Shop

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2011-2012 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	335,249	1,156,080	876,235	936,528
4120	OVERTIME	13,000	60,000	15,996	24,000
4130	MISC PAYROLL COSTS	-	3,600	-	3,600
	TOTAL PERSONNEL SERVICES	348,249	1,219,680	892,231	964,128
	TOTAL POSITIONS	8	27	21	21
1120	METERS	462,000	800,000	800,000	1,200,000
1125	AMR MATERIALS & SUPPLIES	2,796,000	1,000,000	1,000,000	1,320,000
4160	MEALS, MILEAGE, UNIFORM A	528	1,900	1,550	1,200
4250	OTHER CONTRACTUAL SERVICE	4,263,000	132,080	129,321	12,000
4430	MISC SUPPLIES	-	200	-	-
4460	OTHER MATERIALS & SUPPLIE	8,304	18,000	13,683	12,000
4470	PARTS AND ACCESSORIES	-	2,000	-	1,200
4815	REPAIR AND MAINT OF EQUIP	605	21,000	5,292	12,000
4910	MISC FEES & REGISTRATIONS	-	900	-	-
8050	EQUIPMENT UNDER \$5,000	1,807	6,500	5,925	11,000
	TOTAL MATERIAL & SUPPLIES	7,532,244	1,982,580	1,955,771	2,569,400
1270	GENERAL PLANT & EQUIPMENT	-	108,000	-	-
	TOTAL EQUIPMENT	-	108,000	-	-
	TOTAL OPERATING EXPENDITURES	7,880,493	3,310,260	2,848,002	3,533,528

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	Pipe cutting saw	R	\$1,600		1270	1	Trench compactor	R	\$5,000
8050	2	Electric pavement breakers	N	\$1,600		1270	-	Modular office furniture	N	\$29,000

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FIELD OPERATIONS

5560 - Windward Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,033,000	1,525,920	1,497,788	1,580,472
4120	OVERTIME	101,000	120,000	110,875	120,000
4130	MISC PAYROLL COSTS	57,000	110,400	92,260	122,500
	TOTAL PERSONNEL SERVICES	1,191,000	1,756,320	1,700,923	1,822,972
	TOTAL POSITIONS	25	30	30	30
4160	MEALS, MILEAGE, UNIFORM A	11,000	12,000	11,615	12,000
4250	OTHER CONTRACTUAL SERVICE	32,000	13,700	15,204	1,700
4410	GASOLINE	-	-	331	-
4460	OTHER MATERIALS & SUPPLIE	13,000	12,000	10,261	12,000
4720	CONFERENCE EXPENSES	-	-	432	-
4805	REPAIR AND MAINT OF STRUC	6,000	-	2,525	-
4815	REPAIR AND MAINT OF EQUIP	5,000	4,800	3,169	4,800
4923	STORE MATERIALS & EXP DIS	4,000	-	-	-
8050	EQUIPMENT UNDER \$5,000	5,000	13,400	13,400	3,200
	TOTAL MATERIAL & SUPPLIES	76,000	55,900	56,937	33,700
1270	GENERAL PLANT & EQUIPMENT	6,000	-	-	34,000
	TOTAL EQUIPMENT	6,000	-	-	34,000
	TOTAL OPERATING EXPENDITURES	1,273,000	1,812,220	1,757,860	1,890,672

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FIELD OPERATIONS

Administrative Support Branch
5585 - Supply Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	258,000	298,512	251,653	296,844
4120	OVERTIME	3,000	6,000	4,654	3,600
4130	MISC PAYROLL COSTS	-	1,200	500	1,200
	TOTAL PERSONNEL SERVICES	261,000	305,712	256,807	301,644
	TOTAL POSITIONS	7	8	7	8
1110	MATERIALS & SUPPLIES	1,437,000	1,440,000	1,310,000	2,000,000
4160	MEALS, MILEAGE, UNIFORM A	1,000	3,000	2,250	3,000
4267	PRINTED FORMS	-	600	350	600
4420	HIGHWAY MATERIALS	12,000	60,000	34,000	48,000
4460	OTHER MATERIALS & SUPPLIE	66,000	84,000	56,000	84,000
4920	NON-POTABLE WATER TREATME	-	24,000	-	60,000
4923	STORE MATERIALS & EXP DIS	444,000	378,000	500,000	500,000
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	1,960,000	1,989,600	1,902,600	2,695,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,221,000	2,295,312	2,159,407	2,997,244

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CAPITAL PROJECTS DIVISION - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	3,183,000	4,313,137	3,464,898	4,071,035
4120	OVERTIME	256,000	452,300	237,263	336,500
4130	MISC PAYROLL COSTS	7,000	290,670	13,140	236,480
	TOTAL PERSONNEL SERVICES	3,446,000	5,056,107	3,715,302	4,644,015
	TOTAL POSITIONS	42	67	56	66
4160	MEALS, MILEAGE, UNIFORM A	10,000	14,000	8,704	19,900
4250	OTHER CONTRACTUAL SERVICE	517,000	2,078,700	2,105,977	3,155,000
4260	ADV & PUBL OF NOTICES	1,000	300	-	2,000
4430	MISC SUPPLIES	6,000	8,700	6,319	8,400
4460	OTHER MATERIALS & SUPPLIE	4,000	8,950	1,193	6,300
4480	POSTAGE	-	-	5	-
4500	EDUCATION & TRAINING	2,000	35,500	800	27,700
4650	SECURITY CAMERA CABLE LIN	-	250	-	-
4720	CONFERENCE EXPENSES	7,000	8,700	10,889	13,150
4815	REPAIR AND MAINT OF EQUIP	11,000	9,300	6,882	10,100
4910	MISC FEES & REGISTRATIONS	-	500	100	23,000
8050	EQUIPMENT UNDER \$5,000	3,000	7,600	5,088	3,500
	TOTAL MATERIAL & SUPPLIES	561,000	2,172,500	2,145,957	3,269,050
1270	GENERAL PLANT & EQUIPMENT	-	-	-	200,000
	TOTAL EQUIPMENT	-	-	-	200,000
	TOTAL OPERATING EXPENDITURES	4,007,000	7,228,607	5,861,259	8,113,065

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	Dry erase board	R	\$1,000
1270	---	Office Partitions (Capital Projects Division and Water Resources Division)	N	\$200,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CAPITAL PROJECTS DIVISION

5565 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	384,000	479,465	401,093	471,262
4120	OVERTIME	-	1,100	950	1,100
4130	MISC PAYROLL COSTS	-	13,140	13,140	13,680
	TOTAL PERSONNEL SERVICES	384,000	493,705	415,183	486,042
	TOTAL POSITIONS	6	7	6	7
4160	MEALS, MILEAGE, UNIFORM A	-	200	-	100
4250	OTHER CONTRACTUAL SERVICE	448,000	2,000,000	2,000,083	2,400,000
4260	ADV & PUBL OF NOTICES	1,000	300	-	2,000
4430	MISC SUPPLIES	2,000	2,500	2,091	8,400
4460	OTHER MATERIALS & SUPPLIE	-	-	-	6,300
4500	EDUCATION & TRAINING	-	1,000	-	1,000
4720	CONFERENCE EXPENSES	1,000	3,700	2,307	3,150
4815	REPAIR AND MAINT OF EQUIP	-	2,000	431	2,000
4910	MISC FEES & REGISTRATIONS	-	-	-	22,500
8050	EQUIPMENT UNDER \$5,000	1,000	500	2,600	1,000
	TOTAL MATERIAL & SUPPLIES	453,000	2,010,200	2,007,512	2,446,450
1270	GENERAL PLANT & EQUIPMENT	-	-	-	200,000
	TOTAL EQUIPMENT	-	-	-	200,000
	TOTAL OPERATING EXPENDITURES	837,000	2,503,905	2,422,695	3,132,492

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	2	Chairs,	R	\$1,000
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CAPITAL PROJECTS DIVISION

5570 - Design

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	656,000	1,001,968	744,350	884,976
4120	OVERTIME	66,000	96,000	60,668	78,000
4130	MISC PAYROLL COSTS	1,000	29,220	-	1,200
	TOTAL PERSONNEL SERVICES	723,000	1,127,188	805,019	964,176
	TOTAL POSITIONS	9	16	12	15
4160	MEALS, MILEAGE, UNIFORM A	-	3,600	2,070	3,000
4430	MISC SUPPLIES	-	-	468	-
4460	OTHER MATERIALS & SUPPLIE	-	3,000	45	-
4480	POSTAGE	-	-	5	-
4500	EDUCATION & TRAINING	1,000	14,200	40	13,900
4720	CONFERENCE EXPENSES	2,000	2,000	1,600	2,975
8050	EQUIPMENT UNDER \$5,000	1,000	5,000	1,000	1,000
	TOTAL MATERIAL & SUPPLIES	4,000	27,800	5,228	20,875
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	727,000	1,154,988	810,247	985,051

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.

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CAPITAL PROJECTS DIVISION
5575 - Construction Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,372,000	1,753,032	1,557,164	1,754,313
4120	OVERTIME	190,000	252,000	175,537	252,000
4130	MISC PAYROLL COSTS	6,000	243,010	-	219,600
	TOTAL PERSONNEL SERVICES	1,568,000	2,248,042	1,732,701	2,225,913
	TOTAL POSITIONS	15	27	25	29
4160	MEALS, MILEAGE, UNIFORM A	10,000	10,200	6,634	16,500
4250	OTHER CONTRACTUAL SERVICE	12,000	53,700	19,173	660,000
4430	MISC SUPPLIES	2,000	2,000	493	-
4460	OTHER MATERIALS & SUPPLIE	4,000	4,700	644	-
4500	EDUCATION & TRAINING	1,000	8,000	160	6,000
4720	CONFERENCE EXPENSES	3,000	1,000	6,032	4,700
4910	MISC FEES & REGISTRATIONS	-	500	100	500
8050	EQUIPMENT UNDER \$5,000	-	600	285	-
	TOTAL MATERIAL & SUPPLIES	32,000	80,700	33,521	687,700
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,600,000	2,328,742	1,766,222	2,913,613

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.

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CAPITAL PROJECTS DIVISION
5580 - Support Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	440,000	568,770	426,269	487,286
4120	OVERTIME	-	60,000	108	3,000
4130	MISC PAYROLL COSTS	-	5,300	-	1,000
	TOTAL PERSONNEL SERVICES	440,000	634,070	426,377	491,286
	TOTAL POSITIONS	8	9	7	8
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	100
4250	OTHER CONTRACTUAL SERVICE	16,000	25,000	18,527	25,000
4430	MISC SUPPLIES	2,000	4,200	2,956	-
4460	OTHER MATERIALS & SUPPLIE	-	-	4	-
4500	EDUCATION & TRAINING	-	10,800	-	4,800
4650	SECURITY CAMERA CABLE LIN	-	250	-	-
4720	CONFERENCE EXPENSES	1,000	250	250	375
4815	REPAIR AND MAINT OF EQUIP	11,000	7,300	6,451	8,100
8050	EQUIPMENT UNDER \$5,000	-	500	288	-
	TOTAL MATERIAL & SUPPLIES	30,000	48,300	28,476	38,375
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	470,000	682,370	454,853	529,661

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	File cabinets	N	\$500
8050	2	chairs	N	\$1,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

CAPITAL PROJECTS DIVISION

5585 - Mechanical / Electrical Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	331,000	513,504	336,022	473,198
4120	OVERTIME	-	43,200	-	2,400
4130	MISC PAYROLL COSTS	-	-	-	1,000
	TOTAL PERSONNEL SERVICES	331,000	556,704	336,022	476,598
	TOTAL POSITIONS	4	8	6	7
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	200
4250	OTHER CONTRACTUAL SERVICE	41,000	-	68,194	70,000
4430	MISC SUPPLIES	-	-	311	-
4460	OTHER MATERIALS & SUPPLIE	-	1,250	500	-
4500	EDUCATION & TRAINING	-	1,500	600	2,000
4720	CONFERENCE EXPENSES	-	1,750	700	1,950
8050	EQUIPMENT UNDER \$5,000	1,000	1,000	915	1,500
	TOTAL MATERIAL & SUPPLIES	42,000	5,500	71,220	75,650
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	373,000	562,204	407,242	552,248

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

WATER SYSTEM OPERATIONS DIVISION - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	3,578,000	5,632,891	3,951,300	5,712,844
4120	OVERTIME	495,000	597,631	442,622	496,000
4130	MISC PAYROLL COSTS	10,000	125,251	25,539	117,620
	TOTAL PERSONNEL SERVICES	4,083,000	6,355,773	4,419,460	6,326,464
	TOTAL POSITIONS	71	107	77	106
4160	MEALS, MILEAGE, UNIFORM A	21,000	33,900	19,415	35,500
4250	OTHER CONTRACTUAL SERVICE	161,000	275,800	223,642	287,000
4267	PRINTED FORMS	-	100	150	100
4270	PROFESSIONAL SERVICES	420,000	1,350,000	-	1,620,000
4410	GASOLINE	836,000	990,000	910,200	990,000
4430	MISC SUPPLIES	4,000	5,200	4,863	6,000
4440	MOTOR VEHICLE PARTS & ACC	405,000	408,900	366,600	408,900
4460	OTHER MATERIALS & SUPPLIE	481,000	2,603,800	2,513,086	2,647,000
4470	PARTS AND ACCESSORIES	338,000	556,600	426,159	540,000
4500	EDUCATION & TRAINING	4,000	38,500	9,280	59,100
4670	TELEMETERING	191,000	240,000	218,000	240,000
4680	TELEPHONE	-	4,000	-	-
4720	CONFERENCE EXPENSES	2,000	12,800	7,641	10,300
4805	REPAIR AND MAINT OF STRUC	-	-	60,900	60,000
4815	REPAIR AND MAINT OF EQUIP	1,765,000	1,144,300	1,011,387	1,306,800
4910	MISC FEES & REGISTRATIONS	4,000	3,800	1,300	2,100
8050	EQUIPMENT UNDER \$5,000	362,000	530,900	428,239	939,400
	TOTAL MATERIAL & SUPPLIES	4,994,000	8,198,600	6,200,862	9,152,200
1270	GENERAL PLANT & EQUIPMENT	1,064,000	2,004,200	1,874,887	2,060,100
	TOTAL EQUIPMENT	1,064,000	2,004,200	1,874,887	2,060,100
	TOTAL OPERATING EXPENDITURES	10,141,000	16,558,573	12,495,209	17,538,764

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.

Equipment

8050	1	Time stamp	N	\$1,000		8050	1	desk	N	\$500
8050	1	Drafting table	N	\$600		1270	---	Modular furniture	N	\$16,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014-2015**

WATER SYSTEM OPERATIONS DIVISION
5600 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	273,000	445,080	349,760	480,757
4120	OVERTIME	2,000	1,200	1,700	3,600
4130	MISC PAYROLL COSTS	-	-	50	16,900
	TOTAL PERSONNEL SERVICES	275,000	446,280	351,510	501,257
	TOTAL POSITIONS	6	8	7	9
4160	MEALS, MILEAGE, UNIFORM A	-	-	76	300
4250	OTHER CONTRACTUAL SERVICE	18,000	19,200	15,304	39,400
4270	PROFESSIONAL SERVICES	420,000	1,350,000	-	1,620,000
4430	MISC SUPPLIES	4,000	4,000	3,263	4,800
4460	OTHER MATERIALS & SUPPLIE	-	1,200	443	700
4500	EDUCATION & TRAINING	-	1,200	60	1,800
4720	CONFERENCE EXPENSES	-	800	1,041	1,500
4815	REPAIR AND MAINT OF EQUIP	-	900	-	-
4910	MISC FEES & REGISTRATIONS	2,000	1,700	400	-
8050	EQUIPMENT UNDER \$5,000	1,000	1,100	-	2,100
	TOTAL MATERIAL & SUPPLIES	445,000	1,380,100	20,587	1,670,600
1270	GENERAL PLANT & EQUIPMENT	-	-	-	16,000
	TOTAL EQUIPMENT	-	-	-	16,000
	TOTAL OPERATING EXPENDITURES	720,000	1,826,380	372,097	2,187,857

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.

Equipment

8050	2	Digital multi meter	N	\$2,000		8050	25	Arc Flash PPE, cat 2	N	\$25,000
8050	2	Pressure gauge	N	\$1,000		8050	5	Arc Flash PPE, cat 4	N	\$15,000
8050	50	Level sensors	N	\$15,000		8050	50	Chlorine residual monitor	N	\$200,000
8050	4	Hydrant recorder	N	\$10,000		1270	1	Ultrasonic flow meter	N	\$10,000
8050	1	Air sniffer	N	\$3,000						

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014-2015**

WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

5610 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	95,000	179,928	76,800	138,108
4120	OVERTIME	7,000	6,000	4,338	9,000
4130	MISC PAYROLL COSTS	-	1,200	-	1,200
	TOTAL PERSONNEL SERVICES	102,000	187,128	81,139	148,308
	TOTAL POSITIONS	2	3	1	2
4160	MEALS, MILEAGE, UNIFORM A	-	300	-	300
4250	OTHER CONTRACTUAL SERVICE	-	-	4,000	10,000
4460	OTHER MATERIALS & SUPPLIE	314,000	2,384,000	2,328,000	2,386,700
4470	PARTS AND ACCESSORIES	2,000	-	18,000	-
4500	EDUCATION & TRAINING	-	1,000	-	8,900
4670	TELEMETERING	-	-	1,000	-
4720	CONFERENCE EXPENSES	-	800	-	1,000
4805	REPAIR AND MAINT OF STRUC	-	-	34,000	50,000
4815	REPAIR AND MAINT OF EQUIP	1,504,000	822,800	789,000	822,000
8050	EQUIPMENT UNDER \$5,000	11,000	-	4,000	271,000
	TOTAL MATERIAL & SUPPLIES	1,831,000	3,208,900	3,178,000	3,549,900
1270	GENERAL PLANT & EQUIPMENT	22,000	-	-	10,000
	TOTAL EQUIPMENT	22,000	-	-	10,000
	TOTAL OPERATING EXPENDITURES	1,955,000	3,396,028	3,259,139	3,708,208

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	10	Chemical feed pump	R/N	\$20,000		8050	1	Demolition hammer	N	\$2,000
8050	7	Pocket colorimeter	N	\$3,500		8050	1	Confined space eqpt.	N	\$6,000
8050	8	meggors	R	\$6,400		8050	1	Multi-gas detection monitor	N	\$3,000
8050	15	NaOCl tanks	N	\$22,500		8050	3	Hydrant PRV	R	\$9,000
8050	---	Pneumatic tools	N	\$3,000		8050	25	Fire hoses & fittings	R	\$10,000
8050	6	Chemical transfer pump	R	\$6,000		1270	4	4-way valves	R	\$80,000
8050	1	Portable air compressor	N	\$1,000		1270	4	3-way valves	R	\$80,000

**BOARD OF WATER SUPPLY
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WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

5611 - District 1 Leeward West Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	339,000	582,132	375,421	598,344
4120	OVERTIME	77,000	150,000	81,393	100,000
4130	MISC PAYROLL COSTS	5,000	31,000	-	19,000
	TOTAL PERSONNEL SERVICES	421,000	763,132	456,814	717,344
	TOTAL POSITIONS	7	11	7	11
4160	MEALS, MILEAGE, UNIFORM A	3,000	5,400	4,282	6,200
4460	OTHER MATERIALS & SUPPLIE	14,000	36,000	23,276	36,000
4470	PARTS AND ACCESSORIES	50,000	114,400	81,139	120,400
4500	EDUCATION & TRAINING			180	4,800
4680	TELEPHONE	-	4,000	-	-
4720	CONFERENCE EXPENSES	-	1,600	1,600	1,000
4815	REPAIR AND MAINT OF EQUIP	54,000	34,000	33,000	62,000
8050	EQUIPMENT UNDER \$5,000	8,000	30,400	29,282	92,400
	TOTAL MATERIAL & SUPPLIES	129,000	225,800	172,759	322,800
1270	GENERAL PLANT & EQUIPMENT	-	160,000	160,000	160,000
	TOTAL EQUIPMENT	-	160,000	160,000	160,000
	TOTAL OPERATING EXPENDITURES	550,000	1,148,932	789,573	1,200,144

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	24	Chemical feed pump	R	\$48,000		8050	3	Chemical transfer pump	R	\$3,000
8050	2	Pocket colorimeter	R	\$1,000		8050	1	Portable air compressor	N	\$1,500
8050	1	12" center guided check valve	R	\$4,200		8050	1	Engine driven trash pump	N	\$1,500
8050	7	Fire hoses & fittings	R	\$2,800		8050	7	Secondary spill containment	N	\$7,000

**BOARD OF WATER SUPPLY
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WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

5612 - District 2 Central/Windward Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	397,000	538,123	308,814	547,200
4120	OVERTIME	111,000	150,000	89,976	96,000
4130	MISC PAYROLL COSTS	4,000	12,000	20,354	12,000
	TOTAL PERSONNEL SERVICES	512,000	700,123	419,144	655,200
	TOTAL POSITIONS	8	10	6	10
4160	MEALS, MILEAGE, UNIFORM A	6,000	7,800	3,900	7,400
4460	OTHER MATERIALS & SUPPLIE	26,000	24,100	21,338	44,800
4470	PARTS AND ACCESSORIES	67,000	77,800	74,274	89,200
4500	EDUCATION & TRAINING	-	4,000	120	4,800
4720	CONFERENCE EXPENSES	1,000	1,600	-	1,000
4805	REPAIR AND MAINT OF STRUC	-	-	366	-
4815	REPAIR AND MAINT OF EQUIP	86,000	140,000	45,943	232,000
8050	EQUIPMENT UNDER \$5,000	12,000	51,900	36,000	69,000
	TOTAL MATERIAL & SUPPLIES	198,000	307,200	181,941	448,200
1270	GENERAL PLANT & EQUIPMENT	-	100,000	80,000	-
	TOTAL EQUIPMENT	-	100,000	80,000	-
	TOTAL OPERATING EXPENDITURES	710,000	1,107,323	681,085	1,103,400

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	Chemical feed pumps	R/N	\$24,000		8050	1	Medium voltage detector hot stick	N	\$800
8050	5	Pocket colorimeter	N	\$2,500		8050	1	Outside micrometer	N	\$400
8050	5	Portable blower fan	N	\$3,000		8050	1	Inside micrometer	N	\$400
8050	1	Thermal imager	N	\$3,000		8050	3	Hydrant PRV's	N	\$10,500
8050	1	Motor / Pump alignment kit	N	\$1,500		8050	3	Vertical sump pumps	R	\$8,100
8050	1	Manual puller set	N	\$2,000		8050	2	Chemical transfer pump	R	\$2,000
8050	1	Greenlee power fishing acc. kit	N	\$400		1270	1	Ultrasonic flowmeter	N	\$10,000
8050	1	Cone bearing heater	N	\$800						

**BOARD OF WATER SUPPLY
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WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

5613 - District 3 Metropolitan Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	321,000	538,992	311,288	548,112
4120	OVERTIME	67,000	60,000	38,737	48,000
4130	MISC PAYROLL COSTS	-	4,800	2,504	6,000
	TOTAL PERSONNEL SERVICES	388,000	603,792	352,529	602,112
	TOTAL POSITIONS	5	10	6	10
4160	MEALS, MILEAGE, UNIFORM A	2,000	4,200	1,342	3,300
4460	OTHER MATERIALS & SUPPLIE	22,000	22,700	22,259	37,100
4470	PARTS AND ACCESSORIES	60,000	124,000	84,364	120,000
4500	EDUCATION & TRAINING	1,000	4,000	180	4,800
4720	CONFERENCE EXPENSES	-	1,600	1,600	1,000
4815	REPAIR AND MAINT OF EQUIP	-	8,000	7,644	27,000
8050	EQUIPMENT UNDER \$5,000	8,000	42,800	32,660	59,200
	TOTAL MATERIAL & SUPPLIES	93,000	207,300	150,049	252,400
1270	GENERAL PLANT & EQUIPMENT	-	40,000	20,000	10,000
	TOTAL EQUIPMENT	-	40,000	20,000	10,000
	TOTAL OPERATING EXPENDITURES	481,000	851,092	522,578	864,512

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.

Equipment

8050	5	Chemical feed pumps	R	\$10,000		8050	1	SDS plus rotary hammer	N	\$400
8050	4	Pocket colorimeter	R	\$2,000		8050	1	Impact gun	N	\$300
8050	2	In fared Thermometer	N	\$1,000		8050	2	Jobber drill set	N	\$200
8050	1	Electrical test eqpt, meggers	N	\$800		8050	3	Manual chain hoists	R	\$1,500
8050	15	Fire hoses & fittings	R	\$6,000		8050	1	Hammer drill	N	\$200
8050	1	Hydrant PRV's	R	\$3,500		8050	1	Confined space blower kit	N	\$1,700
8050	3	Chemical transfer pump	R	\$1,800		8050	1	Fluke multimeter	N	\$2,000
8050	20	Single & double hose ramps	N	\$18,000		8050	10	Inspection light	N	\$1,000
8050	1	Portable air compressor	N	\$1,000		8050	2	Electrical wire bender	N	\$600

**BOARD OF WATER SUPPLY
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WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

5614 - District 4 Leeward East Section Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	242,000	533,004	358,625	550,056
4120	OVERTIME	29,000	54,000	51,156	56,400
4130	MISC PAYROLL COSTS	1,000	4,800	868	4,800
	TOTAL PERSONNEL SERVICES	272,000	591,804	410,649	611,256
	TOTAL POSITIONS	6	10	7	10
4160	MEALS, MILEAGE, UNIFORM A	-	3,000	2,087	5,600
4460	OTHER MATERIALS & SUPPLIE	10,000	10,000	9,370	16,900
4470	PARTS AND ACCESSORIES	39,000	87,000	43,382	60,000
4500	EDUCATION & TRAINING	-	4,000	120	4,800
4720	CONFERENCE EXPENSES	-	1,600	-	1,000
4805	REPAIR AND MAINT OF STRUC	-	-	9,534	-
4815	REPAIR AND MAINT OF EQUIP	2,000	15,000	5,000	12,000
8050	EQUIPMENT UNDER \$5,000	8,000	-	7,997	52,000
	TOTAL MATERIAL & SUPPLIES	59,000	120,600	77,490	152,300
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	331,000	712,404	488,139	763,556

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	2	Chairs, conference	N	\$200
8050	3	LCD monitor stands	N	\$600		8050	1	Chair, office desk	R	\$300
8050	1	Laptop monitor stand	N	\$100		8050	8	Computer peripherals	R	\$800

**BOARD OF WATER SUPPLY
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WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

Technical Services and Control Center Section

5615 - Control Center Unit

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	473,000	603,768	515,626	611,160
4120	OVERTIME	152,000	98,400	122,126	110,000
4130	MISC PAYROLL COSTS	-	4,000	-	4,000
	TOTAL PERSONNEL SERVICES	625,000	706,168	637,752	725,160
	TOTAL POSITIONS	9	12	11	12
4160	MEALS, MILEAGE, UNIFORM A	10,000	9,000	6,272	6,000
4500	EDUCATION & TRAINING	-	4,000	120	4,800
4720	CONFERENCE EXPENSES	1,000	1,600	1,000	1,000
8050	EQUIPMENT UNDER \$5,000	-	3,000	1,000	3,500
	TOTAL MATERIAL & SUPPLIES	11,000	17,600	8,392	15,300
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	636,000	723,768	646,144	740,460

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 power tools	R	\$6,000		8050	12	PSB LL batteries	R	\$3,600
8050	1	Portable air compressor	N	\$1,500		8050	1	Pneumatic die grinder	N	\$700
8050	1	Portable generator	N	\$1,300		8050	2	Cordless drill & driver kits	R	\$1,000
8050	2	Cordless angle grinder	N	\$800		8050	1	Hydraulic pump & cylinder set	N	\$3,000

**BOARD OF WATER SUPPLY
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WATER SYSTEM OPERATIONS DIVISION

Plant Operations Branch

Technical Services and Control Center Section

5616 - Technical Services Unit

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	294,000	471,696	384,931	483,180
4120	OVERTIME	12,000	30,000	14,370	24,000
4130	MISC PAYROLL COSTS	-	25,000	1,763	24,800
	TOTAL PERSONNEL SERVICES	306,000	526,696	401,065	531,980
	TOTAL POSITIONS	5	9	7	9
4160	MEALS, MILEAGE, UNIFORM A	-	1,200	-	2,600
4460	OTHER MATERIALS & SUPPLIE	14,000	25,000	21,000	24,000
4470	PARTS AND ACCESSORIES	19,000	33,000	18,000	30,000
4500	EDUCATION & TRAINING	-	4,000	-	4,800
4720	CONFERENCE EXPENSES	-	1,600	1,600	1,000
4805	REPAIR AND MAINT OF STRUC	-	-	13,000	10,000
4815	REPAIR AND MAINT OF EQUIP	23,000	30,000	34,000	54,000
8050	EQUIPMENT UNDER \$5,000	11,000	8,400	5,000	17,900
	TOTAL MATERIAL & SUPPLIES	67,000	103,200	92,600	144,300
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	373,000	629,896	493,665	676,280

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	DP pressure transmitters	R	\$12,000
8050	10	Radio telemetry system	R	\$23,000		8050	15	Dyna2020 PLC CIP panels	R	\$39,000
8050	20	PLC equipment w/ accessories	R	\$78,000		8050	15	Dyna2020 Intermediate CIP panels	R	\$39,000
8050	10	ACE 3600 DI modules	R	\$6,500		8050	2	Motorola ACE 3640 GateWay	N	\$13,000
8050	10	ACE 3600 AI modules	R	\$11,250		1270	20	Motorola ACE 3660 RTU	N	\$140,000
8050	10	ACE 3600 DO modules	R	\$11,250		1270	1	Fixed Radio Relay Station	N	\$37,000
8050	10	ACE 3600 CPU module	R	\$20,000		1270				
8050	50	Moore alarm module	R	\$18,000		1270				

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WATER SYSTEM OPERATIONS DIVISION
5620 - Telecommunications Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	221,000	575,196	230,872	546,414
4120	OVERTIME	28,000	36,000	27,353	36,000
4130	MISC PAYROLL COSTS	-	21,400	-	12,000
	TOTAL PERSONNEL SERVICES	249,000	632,596	258,225	594,414
	TOTAL POSITIONS	4	11	4	10
4160	MEALS, MILEAGE, UNIFORM A	-	1,200	556	2,000
4250	OTHER CONTRACTUAL SERVICE	18,000	85,000	34,538	66,000
4460	OTHER MATERIALS & SUPPLIE	10,000	12,000	8,000	12,000
4470	PARTS AND ACCESSORIES	63,000	72,000	72,000	72,000
4500	EDUCATION & TRAINING	-	2,400	-	2,400
4670	TELEMETERING	191,000	240,000	217,000	240,000
4720	CONFERENCE EXPENSES	-	800	-	1,000
4815	REPAIR AND MAINT OF EQUIP	8,000	24,000	23,000	24,000
8050	EQUIPMENT UNDER \$5,000	295,000	384,000	304,000	356,000
	TOTAL MATERIAL & SUPPLIES	585,000	821,400	659,094	775,400
1270	GENERAL PLANT & EQUIPMENT	-	179,000	89,687	177,000
	TOTAL EQUIPMENT	-	179,000	89,687	177,000
	TOTAL OPERATING EXPENDITURES	834,000	1,632,996	1,007,006	1,546,814

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	1	SUV, Compact 4x2	R	\$27,300		1270	2	Truck, Utility	R	\$101,900
1270	3	SUV, Compact 4x4	R	\$86,400		1270	2	Truck, Utility w/ compressor	R	\$402,400
1270	1	SUV, Mid-Size 4x2	N	\$33,200		1270	1	Backhoe loader	R	\$115,700
1270	2	SUV, Mid-Size 4x4	R	\$69,400		1270	2	Light Unit Welder-Generator	R	\$48,800
1270	4	Truck, 4x2	R	\$130,800		1270	1	Concrete mixer	R	\$12,100
1270	4	SUV, Mid-Size 4x4	N	\$138,800		1270	1	Water Wagon, 300 gal.	R	\$45,500
1270	1	Truck, Dump	R	\$68,400		1270	1	SUV, Compact 4x4	N	\$28,800
1270	2	Van	R	\$88,800						
1270	2	Truck, Flatbed w/ lift gate	N	\$90,400						
1270	1	Truck, Flatbed w/ lift gate	N	\$64,800						
1270	10	SUV, Compact (USED)	---	\$60,000						

8050	1	Plasma cutter	R	\$3,200		8050	2	Runway jack	N	\$1,600
8050	1	Tire changing machine	R	\$3,600		8050	1	Ice machine	R	\$4,000
8050	1	Tire balancing machine	R	\$3,200		8050	---	Hand tools	N	\$700

WATER SYSTEM OPERATIONS DIVISION
5660 - Automotive Branch

BOARD OF WATER SUPPLY
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OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	923,000	1,164,972	1,039,163	1,209,512
4120	OVERTIME	10,000	12,031	11,471	13,000
4130	MISC PAYROLL COSTS	-	21,051	-	16,920
	TOTAL PERSONNEL SERVICES	933,000	1,198,054	1,050,635	1,239,432
	TOTAL POSITIONS	19	23	21	23
4160	MEALS, MILEAGE, UNIFORM A	-	1,800	900	1,800
4250	OTHER CONTRACTUAL SERVICE	125,000	171,600	169,800	171,600
4267	PRINTED FORMS	-	100	150	100
4410	GASOLINE	836,000	990,000	910,200	990,000
4430	MISC SUPPLIES	-	1,200	1,600	1,200
4440	MOTOR VEHICLE PARTS & ACC	405,000	408,900	366,600	408,900
4460	OTHER MATERIALS & SUPPLIE	71,000	88,800	79,400	88,800
4470	PARTS AND ACCESSORIES	38,000	48,400	35,000	48,400
4500	EDUCATION & TRAINING	3,000	13,900	8,500	17,200
4720	CONFERENCE EXPENSES	-	800	800	800
4805	REPAIR AND MAINT OF STRUC	-	-	4,000	-
4815	REPAIR AND MAINT OF EQUIP	88,000	69,600	73,800	73,800
4910	MISC FEES & REGISTRATIONS	2,000	2,100	900	2,100
8050	EQUIPMENT UNDER \$5,000	8,000	9,300	8,300	16,300
	TOTAL MATERIAL & SUPPLIES	1,576,000	1,806,500	1,659,950	1,821,000
1270	GENERAL PLANT & EQUIPMENT	1,042,000	1,525,200	1,525,200	1,687,100
	TOTAL EQUIPMENT	1,042,000	1,525,200	1,525,200	1,687,100
	TOTAL OPERATING EXPENDITURES	3,551,000	4,529,754	4,235,785	4,747,532

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
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INFORMATION TECHNOLOGY DIVISION - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	1,918,000	2,881,415	2,152,972	3,230,546
4120	OVERTIME	298,000	409,609	229,104	323,087
4130	MISC PAYROLL COSTS	6,000	197,883	-	175,166
	TOTAL PERSONNEL SERVICES	2,222,000	3,488,907	2,382,076	3,728,800
	TOTAL POSITIONS	29	45	34	54
4160	MEALS, MILEAGE, UNIFORM A	1,000	16,380	456	15,540
4250	OTHER CONTRACTUAL SERVICE	2,283,000	3,087,550	2,209,306	3,133,010
4251	SOFTWARE LICENSES & MAINT.	-	-	-	1,733,212
4430	MISC SUPPLIES	1,000	10,400	558	7,700
4460	OTHER MATERIALS & SUPPLIE	80,000	85,460	83,467	85,360
4470	PARTS AND ACCESSORIES	-	24,000	-	5,000
4480	POSTAGE	663,000	1,226,200	1,119,182	1,180,208
4500	EDUCATION & TRAINING	19,000	120,460	6,874	131,220
4650	SECURITY CAMERA CABLE LIN	107,000	87,840	61,857	60,396
4720	CONFERENCE EXPENSES	20,000	37,145	7,922	56,315
4805	REPAIR AND MAINT OF STRUC	-	-	610	-
4815	REPAIR AND MAINT OF EQUIP	857,000	669,060	591,878	204,899
8050	EQUIPMENT UNDER \$5,000	345,000	322,610	324,440	381,434
	TOTAL MATERIAL & SUPPLIES	4,376,000	5,687,105	4,406,550	6,994,294
1270	GENERAL PLANT & EQUIPMENT	-	543,000	527,000	730,998
	TOTAL EQUIPMENT	-	543,000	527,000	730,998
	TOTAL OPERATING EXPENDITURES	6,598,000	9,719,012	7,315,626	11,454,092

Section's Activity

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

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

INFORMATION TECHNOLOGY DIVISION
5805 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	228,000	351,222	262,639	330,704
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	228,000	351,222	262,639	330,704
	TOTAL POSITIONS	2	4	3	4
4250	OTHER CONTRACTUAL SERVICE	12,000	50,000	6,195	300,000
4430	MISC SUPPLIES	1,000	3,000	558	3,000
4500	EDUCATION & TRAINING		1,600	-	1,600
4720	CONFERENCE EXPENSES		15,065	3,533	14,465
8050	EQUIPMENT UNDER \$5,000		6,600	-	-
	TOTAL MATERIAL & SUPPLIES	13,000	76,265	10,286	319,065
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	241,000	427,487	272,925	649,769

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 Enterprise system support

4251 Software licenses and supports (JD Edwards, CC&B, Logica Mosaic, Vertex Payroll. etc.)

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

INFORMATION TECHNOLOGY DIVISION

5820 - Application Systems Development Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	644,000	690,664	624,172	906,768
4120	OVERTIME	269,000	337,680	174,984	273,488
4130	MISC PAYROLL COSTS	6,000	115,716	-	115,914
	TOTAL PERSONNEL SERVICES	919,000	1,144,060	799,156	1,296,170
	TOTAL POSITIONS	8	11	9	16
4160	MEALS, MILEAGE, UNIFORM A	1,000	15,420	200	15,540
4250	OTHER CONTRACTUAL SERVICE	713,000	1,091,600	621,311	200,000
4251	SOFTWARE LICENSES & MAINT.				893,100
4430	MISC SUPPLIES	-	1,200	-	1,200
4460	OTHER MATERIALS & SUPPLIE	-	-	-	-
4500	EDUCATION & TRAINING	5,000	36,700	-	60,120
4720	CONFERENCE EXPENSES	-	5,600	-	15,100
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	719,000	1,150,520	621,511	1,185,060
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	1,638,000	2,294,580	1,420,667	2,481,230

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 On-site Server, Network and Help Desk Support, Printing services, wireless and camera maintenance, voice and data lines
- 4251 Microsoft Product Support, Cisco ISE and Prime, etc
- 4480 Postage for monthly water bills
- 4815 Maintenance and service agreements for computer hardware and software.

Equipment

8050	15	Thin Clients	N	\$7,500		8050	17	Desktop PC	N	\$49,300
8050	15	Notebooks	N	\$56,000		8050	23	IP phones	N	\$13,455
8050	20	Desktops	N	\$26,000		8050	2	WI-FI hot spots	N	\$6,000
8050	5	MFP printers	R	\$23,500		1270	1	Virtual Tape library	N	\$50,000
8050	5	MFP printers	N	\$10,500		1270	1	Network equipment	N	\$220,000
8050	30	IP phones	N	\$15,000		1270	1	Data Center upgrades	N	\$90,000
8050	-	UPS equipment	N	\$25,000		1270	1	DMZ enhancement	R	\$30,000
8050	63	Monitors	R/N	\$17,955		1270	1	Data Storage	N	\$80,000
8050	---	Misc. equipment – requested by divisions (laptops, monitors, PCs, printers) detailed listing is available	N	\$372,922						

INFORMATION TECHNOLOGY DIVISION
5830 - Operations Support Branch

BOARD OF WATER SUPPLY
ANNUAL BUDGET
FISCAL YEAR 2014 - 2015

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	532,000	849,804	707,304	1,338,084
4120	OVERTIME	28,000	40,000	51,271	39,999
4130	MISC PAYROLL COSTS	-	34,524	-	37,980
	TOTAL PERSONNEL SERVICES	560,000	924,328	758,575	1,416,063
	TOTAL POSITIONS	9	14	12	22
4160	MEALS, MILEAGE, UNIFORM A	-	960	226	-
4250	OTHER CONTRACTUAL SERVICE	1,294,000	1,317,200	1,273,143	2,159,010
4251	SOFTWARE LICENSES & MAINT.				661,362
4430	MISC SUPPLIES	-	3,000	-	3,000
4460	OTHER MATERIALS & SUPPLIE	80,000	76,000	83,151	84,950
4470	PARTS AND ACCESSORIES	-	6,000	-	5,000
4480	POSTAGE	663,000	1,226,000	1,119,182	1,180,008
4500	EDUCATION & TRAINING	14,000	53,160	6,874	63,000
4650	SECURITY CAMERA CABLE LIN	107,000	87,840	61,857	60,396
4720	CONFERENCE EXPENSES	2,000	-	-	-
4805	REPAIR AND MAINT OF STRUC	-	-	610	-
4810	REPAIR AND MAINT OF RECYC	-	-	-	-
4815	REPAIR AND MAINT OF EQUIP	855,000	629,060	591,878	204,099
8050	EQUIPMENT UNDER \$5,000	343,000	289,510	315,746	373,134
	TOTAL MATERIAL & SUPPLIES	3,358,000	3,688,730	3,452,667	4,793,959
1270	GENERAL PLANT & EQUIPMENT	325,000	518,000	510,000	719,998
	TOTAL EQUIPMENT	325,000	518,000	510,000	719,998
	TOTAL OPERATING EXPENDITURES	4,243,000	5,131,058	4,721,242	6,930,020

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

(This section's activities are being incorporated with IT/ Operations Support Branch (5830) for fiscal Year 2014 – 2015)

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

INFORMATION TECHNOLOGY DIVISION

5832 - Communications Support Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES		225,465	-	-
4120	OVERTIME		21,729	-	-
4130	MISC PAYROLL COSTS	-	13,383	-	-
	TOTAL PERSONNEL SERVICES	-	260,577	-	-
	TOTAL POSITIONS	-	3	-	-
4160	MEALS, MILEAGE, UNIFORM A		-	-	-
4250	OTHER CONTRACTUAL SERVICE		-	-	-
4430	MISC SUPPLIES		2,700	-	-
4460	OTHER MATERIALS & SUPPLIE		9,000	-	-
4470	PARTS AND ACCESSORIES		18,000	-	-
4500	EDUCATION & TRAINING		25,000	-	-
4815	REPAIR AND MAINT OF EQUIP		40,000	-	-
8050	EQUIPMENT UNDER \$5,000		21,000	-	-
	TOTAL MATERIAL & SUPPLIES	-	115,700	-	-
1270	GENERAL PLANT & EQUIPMENT		-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	-	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; hydraulic modeling technical support; GIS web application maintenance.

4251 ESRI software licenses and support maintenance.

Equipment

8050	5	Telog Hydrant Pressure Recorders	N	\$5,000
8050	---	Modular furniture	N	\$3,300
1270	1	Siemens Ultrasonic Flowmeter	R	\$11,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

INFORMATION TECHNOLOGY DIVISION

5835 - Technical Engineering Projects Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	514,000	764,260	558,857	654,990
4120	OVERTIME	1,000	10,200	2,849	9,600
4130	MISC PAYROLL COSTS	-	34,260	-	21,272
	TOTAL PERSONNEL SERVICES	515,000	808,720	561,707	685,862
	TOTAL POSITIONS	10	13	10	12
4160	MEALS, MILEAGE, UNIFORM A	-	-	30	-
4250	OTHER CONTRACTUAL SERVICE	264,000	628,750	308,657	474,000
4251	SOFTWARE LICENSES & MAINT.	-	-	-	178,750
4430	MISC SUPPLIES	-	500	-	500
4460	OTHER MATERIALS & SUPPLIE	-	460	316	410
4480	POSTAGE	-	200	-	200
4500	EDUCATION & TRAINING	-	4,000	-	6,500
4720	CONFERENCE EXPENSES	18,000	16,480	4,389	26,750
4815	REPAIR AND MAINT OF EQUIP	2,000	-	-	800
8050	EQUIPMENT UNDER \$5,000	2,000	5,500	8,694	8,300
	TOTAL MATERIAL & SUPPLIES	286,000	655,890	322,086	696,210
1270	GENERAL PLANT & EQUIPMENT	-	25,000	17,000	11,000
	TOTAL EQUIPMENT	-	25,000	17,000	11,000
	TOTAL OPERATING EXPENDITURES	801,000	1,489,610	900,793	1,393,072

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; assisting in controlling budgeted expenditures; 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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION - TOTAL

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012 - 2013 ACTUALS	FY 2013 - 2014 BUDGET	FY 2013 - 2014 ACTUALS & FCST.	FY 2014 - 2015 BUDGET
4110	REGULAR SALARIES	1,766,967	2,419,625	2,285,979	2,778,128
4120	OVERTIME	154,147	382,500	283,842	274,326
4130	MISC PAYROLL COSTS	15,000	5,988	1,581	35,000
	TOTAL PERSONNEL SERVICES	1,936,114	2,808,113	2,571,402	3,087,454
	TOTAL POSITIONS	37	51	54	66
4160	MEALS, MILEAGE, UNIFORM A	6,000	6,000	14,588	8,900
4220	COLLECTION FEES	-	660	470	-
4250	OTHER CONTRACTUAL SERVICE	6,000	2,400	8,563	14,400
4260	ADV & PUBL OF NOTICES	-	1,200	-	1,200
4267	PRINTED FORMS	1,000	5,600	-	4,300
4270	PROFESSIONAL SERVICES	988,000	963,000	1,003,723	1,224,900
4430	MISC SUPPLIES	14,000	400	4,795	17,000
4460	OTHER MATERIALS & SUPPLIE	6,295	3,600	11,433	6,000
4480	POSTAGE	6,000	16,700	27,673	20,000
4500	EDUCATION & TRAINING	1,000	22,400	-	18,000
4720	CONFERENCE EXPENSES	-	1,300	703	-
4815	REPAIR AND MAINT OF EQUIP	4,000	5,000	2,767	13,500
4910	MISC FEES & REGISTRATIONS	5,000	900	601	3,000
4915	MISCELLANEOUS FINANCIAL E	2,144,000	721,000	711,600	855,600
8050	EQUIPMENT UNDER \$5,000	6,000	6,000	17,769	16,000
	TOTAL MATERIAL & SUPPLIES	3,187,295	1,756,160	1,804,685	2,202,800
1270	GENERAL PLANT & EQUIPMENT	87,000	39,000	43,000	85,000
	TOTAL EQUIPMENT	87,000	39,000	43,000	85,000
	TOTAL OPERATING EXPENDITURES	5,210,409	4,603,273	4,419,087	5,375,254

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

8050	---	Office furniture & equipment	N	\$6,500
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION
5900 - Administration

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012 - 2013 ACTUALS	FY 2013 - 2014 BUDGET	FY 2013 - 2014 ACTUALS & FCST.	FY 2014 - 2015 BUDGET
4110	REGULAR SALARIES	204,000	358,644	332,001	264,276
4120	OVERTIME	-	-	-	1,000
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	204,000	358,644	332,001	265,276
	TOTAL POSITIONS	4	4	5	3
4250	OTHER CONTRACTUAL SERVICE	-	2,400	2,425	2,400
4260	ADV & PUBL OF NOTICES	-	1,200	-	1,200
4267	PRINTED FORMS	1,000	600	-	1,800
4270	PROFESSIONAL SERVICES	540,000	225,000	219,400	165,400
4430	MISC SUPPLIES	13,000	-	3,787	14,400
4460	OTHER MATERIALS & SUPPLIE	-	-	23	-
4480	POSTAGE	-	-	11,669	-
4500	EDUCATION & TRAINING	1,000	-	-	12,000
4720	CONFERENCE EXPENSES	-	1,300	703	-
4815	REPAIR AND MAINT OF EQUIP	2,000	-	1,000	3,000
4910	MISC FEES & REGISTRATIONS	5,000	-	601	2,700
8050	EQUIPMENT UNDER \$5,000	-	-	1,000	6,500
	TOTAL MATERIAL & SUPPLIES	562,000	230,500	240,608	209,400
1270	GENERAL PLANT & EQUIPMENT	-	9,000	9,000	-
				-	
	TOTAL EQUIPMENT	-	9,000	9,000	-
	TOTAL OPERATING EXPENDITURES	766,000	598,144	581,609	474,676

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.

Equipment

8050	---	Office furniture & equipment	N	\$2,250
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION

5910 - Treasury Branch

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012 - 2013 ACTUALS	FY 2013 - 2014 BUDGET	FY 2013 - 2014 ACTUALS & FCST.	FY 2014 - 2015 BUDGET
4110	REGULAR SALARIES	121,000	135,672	93,092	138,240
4120	OVERTIME	26,000	22,500	23,058	5,326
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	147,000	158,172	116,150	143,566
	TOTAL POSITIONS	1	2	1	2
4160	MEALS, MILEAGE, UNIFORM A	1,000	1,500	485	500
4270	PROFESSIONAL SERVICES	448,000	738,000	784,323	1,059,500
4430	MISC SUPPLIES	-	200	-	100
4910	MISC FEES & REGISTRATIONS	-	300	-	300
4915	MISCELLANEOUS FINANCIAL E	2,144,000	721,000	711,600	855,600
8050	EQUIPMENT UNDER \$5,000	-	-	-	2,250
	TOTAL MATERIAL & SUPPLIES	2,593,000	1,461,000	1,496,408	1,918,250
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	2,740,000	1,619,172	1,612,558	2,061,816

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

8050	5	Chairs,	R	\$1,250
8050	4	Carrying cases - VXU	N	2,000
1270	8	Handheld devices	N	68,000
1270	1	VXU	R	17,000

**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION

Treasury Branch

5915 - Revenue & Customer Accounting Section

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012- 2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-014 ACTUALS & FCST.	FY 2014 -2015 BUDGET
4110	REGULAR SALARIES	639,000	961,349	1,163,672	1,478,460
4120	OVERTIME	106,000	284,400	240,440	245,000
4130	MISC PAYROLL COSTS	8,000	-	732	35,000
	TOTAL PERSONNEL SERVICES	753,000	1,245,749	1,404,845	1,758,460
	TOTAL POSITIONS	17	27	35	44
4160	MEALS, MILEAGE, UNIFORM A	5,000	3,600	13,489	7,200
4250	OTHER CONTRACTUAL SERVICE	6,000	-	6,138	12,000
4430	MISC SUPPLIES	1,000	-	1,008	2,000
4460	OTHER MATERIALS & SUPPLIE	4,000	3,200	3,647	6,000
4470	PARTS AND ACCESSORIES	-	-	-	-
4480	POSTAGE	6,000	16,700	16,000	20,000
4500	EDUCATION & TRAINING	-	20,000	-	5,000
4815	REPAIR AND MAINT OF EQUIP	2,000	4,600	1,767	10,000
4910	MISC FEES & REGISTRATIONS	-	600	-	-
8050	EQUIPMENT UNDER \$5,000	5,000	-	10,412	3,250
	TOTAL MATERIAL & SUPPLIES	29,000	48,700	52,461	65,450
1270	GENERAL PLANT & EQUIPMENT	87,000	30,000	34,000	85,000
	TOTAL EQUIPMENT	87,000	30,000	34,000	85,000
	TOTAL OPERATING EXPENDITURES	869,000	1,324,449	1,491,306	1,908,910

Section's Activity

The Financial Planning, Consulting, and Analysis Section 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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION

5920 - Financial Planning, Consulting & Analysis

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012 - 2013 ACTUALS	FY 2013 - 2014 BUDGET	FY 2013 - 2014 ACTUALS & FCST.	FY 2014 - 2015 BUDGET
4110	REGULAR SALARIES	15,379	49,944	83,730	-
4120	OVERTIME	342	-	2,329	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	15,721	49,944	86,059	-
	TOTAL POSITIONS	1	1	1	-
4250	OTHER CONTRACTUAL SERVICE	-	-	-	-
4251	SOFTWARE LICENSES & MAINT.	-	-	-	-
4255	OTHER SERVICES	-	-	-	-
8050	EQUIPMENT UNDER \$5,000	-	-	-	-
	TOTAL MATERIAL & SUPPLIES	-	-	-	-
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	15,721	49,944	86,059	-

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	3	calculators	R	\$1,000
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION

5930 - General Accounting

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	489,000	572,568	500,677	568,572
4120	OVERTIME	17,000	69,600	17,767	23,000
4130	MISC PAYROLL COSTS	7,000	5,988	849	-
	TOTAL PERSONNEL SERVICES	513,000	648,156	519,293	591,572
	TOTAL POSITIONS	10	11	10	11
4160	MEALS, MILEAGE, UNIFORM A	-	600	578	1,200
4220	COLLECTION FEES	-	660	470	-
4267	PRINTED FORMS	-	5,000	-	2,500
4430	MISC SUPPLIES	-	200	-	500
4460	OTHER MATERIALS & SUPPLIE	-	400	165	-
4480	POSTAGE	-	-	4	-
4500	EDUCATION & TRAINING	-	2,400	-	1,000
4815	REPAIR AND MAINT OF EQUIP	-	400	-	500
8050	EQUIPMENT UNDER \$5,000	1,000	4,800	4,857	1,000
	TOTAL MATERIAL & SUPPLIES	1,000	14,460	6,074	6,700
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	514,000	662,616	525,367	598,272

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.

Equipment

8050	---	Office furniture & equipment	N	\$3,000
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**BOARD OF WATER SUPPLY
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION

5940 - Fiscal Services

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012 - 2013 ACTUALS	FY 2013 - 2014 BUDGET	FY 2013 - 2014 ACTUALS & FCST.	FY 2014 - 2015 BUDGET
4110	REGULAR SALARIES	298,588	291,504	112,807	284,820
4120	OVERTIME	4,805	6,000	248	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	303,393	297,504	113,054	284,820
	TOTAL POSITIONS	4	5	2	5
4160	MEALS, MILEAGE, UNIFORM A	-	300	36	-
4250	OTHER CONTRACTUAL SERVICE	-	-	-	-
4460	OTHER MATERIALS & SUPPLIE	2,295	-	7,598	-
4500	EDUCATION & TRAINING	-	-	-	-
4910	MISC FEES & REGISTRATIONS	-	-	-	-
8050	EQUIPMENT UNDER \$5,000	-	1,200	-	3,000
	TOTAL MATERIAL & SUPPLIES	2,295	1,500	7,634	3,000
1270	GENERAL PLANT & EQUIPMENT	-	-	-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	305,688	299,004	120,688	287,820

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
OPERATING BUDGET
FISCAL YEAR 2014 - 2015**

FINANCE DIVISION

5950 - Systems Accounting

OBJECT ACCOUNT	OBJECT DESCRIPTION	FY 2012-2013 ACTUALS	FY 2013-2014 BUDGET	FY 2013-2014 ACTUALS & FCST.	FY 2014-2015 BUDGET
4110	REGULAR SALARIES	-	49,944	-	43,760
4120	OVERTIME	-	-	-	-
4130	MISC PAYROLL COSTS	-	-	-	-
	TOTAL PERSONNEL SERVICES	-	49,944	-	43,760
	TOTAL POSITIONS	-	1	-	1
4160	MEALS, MILEAGE, UNIFORM A	-	-	-	-
4460	OTHER MATERIALS & SUPPLIE	-	-	-	-
8050	EQUIPMENT UNDER \$5,000	-	-	1,500	-
	TOTAL MATERIAL & SUPPLIES	-	-	1,500	-
1270	GENERAL PLANT & EQUIPMENT			-	-
	TOTAL EQUIPMENT	-	-	-	-
	TOTAL OPERATING EXPENDITURES	-	49,944	1,500	43,760



PART II

CAPITAL IMPROVEMENT PROGRAM BUDGET

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Summary by Project and Cost Categories		Operating Fund	Special Expendable Fund	State Revolving Fund	Total
I. Research and Development	Total	<u>3,230,000</u>	<u>-</u>	<u>500,000</u>	<u>3,730,000</u>
II. Renewal and Replacement					
A. Pumps		10,020,000	-	-	10,020,000
B. Reservoirs		-	-	-	-
C. Pipelines		12,890,000	-	12,350,000	25,240,000
D. Treatment		-	-	-	-
E. Facilities		26,042,000	-	-	26,042,000
	Total	<u>48,952,000</u>	<u>-</u>	<u>12,350,000</u>	<u>61,302,000</u>
III. Capacity Expansion					
A. Pumps		520,000	200,000	-	720,000
B. Reservoirs		-	350,000	-	350,000
C. Pipelines		-	400,000	-	400,000
D. Treatment		-	-	-	-
E. Facilities		1,603,000	-	-	1,603,000
	Total	<u>2,123,000</u>	<u>950,000</u>	<u>-</u>	<u>3,073,000</u>
Total - Categories I - III		54,305,000	950,000	12,850,000	68,105,000
Construction Cost Index Adjustment Account		3,171,300	-	1,235,000	4,406,300
Contract Adjustment Account		3,000,000	-	-	3,000,000
FY 2014 - 2015 Capital Improvement Program		<u>60,476,300</u>	<u>950,000</u>	<u>14,085,000</u>	<u>75,511,300</u>

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
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I. Research and Development

1. Hauula Well Replacement	Prepare Environmental Assessment for replacement exploratory/production well at existing Hauula Wells Station	P&E	80,000	-	-	80,000
2. BWS Water Master Plan Program Management; Phases II and III	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	1,350,000			1,350,000
3. Ala Wai Membrane Bioreactor Facility RE.invest initiative	Mayor's RE.invest Green Infrastructure Initiative to build recycled water scalping plants. Conduct feasibility study and conceptual design for Ala Wai Golf Course MBR facility to conserve potable irrigation water. Develop Environmental Assessment and RFP for Design-Build-Operate-Maintain contract.	P&E	300,000			300,000
4. 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			500,000	500,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
5.	Construction Management for Various BWS Construction Projects	Provide construction management and training services for selected BWS construction projects.	Const	1,500,000			1,500,000
Total Category I - Research and Development				3,230,000	-	500,000	3,730,000

II. Renewal and Replacement

A. Pumps

5.	Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	Const	500,000			500,000
6.	Kamaile Wells Renovation	Renovate and install drain line for pump discharges	Const	1,400,000			1,400,000
7.	Mariners Ridge Booster I: Replace 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	970,000			970,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
8.	Aina Koa Booster I: Replace 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	310,000			310,000
9.	Keanu Line Booster: Replace Pumping Units	Replace all three (3) existing pump units including pumps, motors, discharge head assemblies, valves, flow tube, and all above-ground piping and components. The construction work will be properly sequenced to maintain two (2) pumps in service at all times. Replace center-guided check valves with new tilting-disc check valves. Install mute structure if feasible. Replace/relocate MCC from existing weather-proof enclosures and install new into existing pump building; remove existing equipment from existing pump building. Install new solid-state soft-starters	Const	1,820,000			1,820,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
10.	Maunawili Booster: Replace Pumping Units	Replace the existing four (4) gate valves on the suction and discharge lines with four (4) new non-rising stem, resilient seated gate valves, in place complete. Replace the existing two (2) control valves located in the valve vault with straight sections of pipe. Replace existing metal grating on top of the existing valve vault with new grating. Replace existing valve vault rungs with new service ladder. Replace deteriorated metal support beam in vault. No electrical work is to be performed at the Maunawili BPS site. Corrosion control and repaint all piping including booster pumping units	Const	100,000			100,000
11.	Diamond head Line Booster: Replace Pumping Units	Replace four (4) existing pumping units with four (4) new pumping units including pumps, motors, discharge head assemblies, valves, piping, and components. Provide new metal-seated butterfly valve and check valve on bypass lines to match existing. Replace safety disconnect and junction boxes at bypass control valve and all four pumps. Perform corrosion control and repaint all piping	Const	935,000			935,000
12.	Kaonohi Booster I: Replace Pumping Units	Replace both existing pumping units with new pumping units including pumps, motors, pump mounting bases, valves, piping, and components. Provide new Low Suction Pressure Switches on the suction side of each pumping unit. Provide new rubber-seated butterfly valves and check valves on the suction and discharge lines of each pumping unit. Provide new surge-anticipator valve, piping, and appurtenances	Const	585,000			585,000
13.	Pacific Heights Booster Renovation	Replace pumping units, valves, discharge piping, MCC, replace roof and renovate building	Const	1,500,000			1,500,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
14.	Mililani Wells IV - Replacement of Pump No. 2	Replace pump, motor, MCC, starters, breakers, and conductors.	Const	500,000			500,000
15.	Waialae Iki Well Renovation	Replace pump unit, MCC, conduits, controls, and wires.	P&E	150,000			150,000
16.	Mililani Wells II Improvements	Install permanent PRV assembly for system operations.	P&E	150,000			150,000
17.	Punanani Wells MCC Replacement	Replace MCC, power cables and control wiring	P&E	300,000			300,000
18.	Pearl City Wells II Isolation Valves	Install isolation valves	P&E	150,000			150,000
19.	Pearl City Wells I Renovation	Replace MCC and renovate building	P&E	150,000			150,000
20.	Pump Renewal and Replacement	Renewal and replacement of various BWS pumps and plant facilities.	P&E	500,000			500,000
II A. Pumps - Total				<u>10,020,000</u>	<u>-</u>	<u>-</u>	<u>10,020,000</u>
B. Reservoirs							
II B. Reservoirs - Total				<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

C. Pipelines

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
21. Liliha Water System Improvements, Part V		Install 8-inch mains and appurtenances along Liliha Street from Wyllie Street to end, along Puunui Avenue from Wyllie Street to Hawaii Street, along Kauai Street from Liliha Street to Puunui Avenue, along Lanai Street from Wyllie Street to Liliha Street and along Hawaii Street from Liliha Street to Puunui Avenue - approx. 5,600 lin.ft.	Const	-	-	2,600,000	2,600,000
22. Diamond Head Water System Improvements, Part II		Install 12-inch mains and appurtenances along 22nd Avenue from Kilauea Avenue to Diamond Head Road, along Diamond Head Road from 22nd Avenue to Kahala Avenue, and along Kulamanu Street from Kahala Avenue to Kulamanu Place - approx. 5,235 lin. ft. Install 8-inch mains and appurtenances along Kulamanu Place from Kulamanu Street to end, along Malapua Place from 22nd Avenue to end, along Ulupua Place from 22nd Avenue to end, along Huanui Street from 22nd Avenue to Huanui Place, along Kaalawai Place from Diamond Head Road to easement, and along Kuine Place from Kulamanu Street to end - approx. 2,270 lin. ft.	Const	-	-	3,700,000	3,700,000
23. Kulaaupuni and Alta Street Water System Improvements		Install 8-inch mains and appurtenances along Kulaaupuni Street from 90 feet south of FH L03646 to St. Johns Road, from Apakee Street to FH L02925, from Kaukamana Street to Ohiohi Place; along Ohiohi Place from Kulaaupuni Street to End and along Alta Street from Glenmonger Street to Pokai Bay Street - approx. 2,455 lin. ft.	Const	1,150,000	-	-	1,150,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
24.	Pensacola Street Water System Improvements	Install 12-inch main and appurtenances along Pensacola Street from Kapiolani Boulevard to Young Street - approx. 2,300 lin. ft. Install 8-inch main and appurtenances along Pensacola Street from Young Street to Kinau Street - approx. 750 lin. ft.	Const	-	-	2,050,000	2,050,000
25.	Wilhelmina Rise Water System Improvements, Part IV	Install 8-inch mains and appurtenances along Sierra Drive from Wilhelmina Rise to 125 feet east of FH M01653; along Nihipali Place from Sierra Drive to end; along Hilo Place, and Lilinoe Place from Wilhelmina Rise to end; along Lanihale Place from Sierra Drive to end; along Mariposa Drive from Sierra Drive to Monterey Drive; along Paula Drive from Mariposa Drive to FH M02338; along Iwi Way from Paula Drive to end of existing water main; along Niele Place from Iwi Way to end; along Nioi Place from Niele Place to end; and along Pakahi place from Paula Drive to end - approx. 11,340 lin. ft. Install 4-inch mains and appurtenances along Palua Place from Paula Drive to end - approx. 170 lin. ft.	Const	6,000,000	-	-	6,000,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
26.	Kapahulu Water System Improvements, Part I	Install 8-inch mains and appurtenances along Paliuli Street, Mokihana Street, and Olu Street, along Kaimuki Avenue from 4th Avenue to Kapahulu Avenue; along Lincoln Avenue from 4th Avenue to Kapahulu Avenue; along Pahoa Avenue from 4th Avenue to 3rd Avenue; along 3rd Avenue from Kaimuki Avenue to H-1 and from H-1 to Waialae Avenue; along Belser Street from Kaimuki Avenue to H-1 and from H-1 to Harding Avenue; along 2nd Avenue from Lincoln Avenue to FH M01349 and from H-1 to Waialae Avenue; and along Aloalo Place from Harding Avenue to end - approx. 8,400 lin. ft.	Const	-	-	4,000,000	4,000,000
27.	Kawananakoa Place 8-Inch Main	Install 8-inch and 4-inch mains and appurtenances along Kawananakoa Place from Nuuanu Avenue to end - approx. 1,600 lin. ft.	Const	750,000	-	-	750,000
28.	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
29.	Fire Hydrant Installations at Various Locations	Fire hydrant installations at various locations.	Const	300,000	-	-	300,000
30.	Water Main Installation & Replacement	Install and replace water mains at various locations.	Const	100,000	-	-	100,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

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. ft.	P&E	740,000	-	-	740,000
32. Palolo Water System Improvements, Part IV		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&E	670,000			670,000
33. Auloa Road and Ulukahiki Street: 12-Inch Main		Install 12-inch mains and appurtenances along Auloa Road from FH W03044 to Kalanianaʻole Highway and along Ulukahiki Street from Kalanianaʻole Highway to Kailua Road - approx. 7,635 lin. ft.	P&E	690,000	-	-	690,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
34. Waianae Water System Improvements, Part III	Install 16-inch mains and appurtenances along Farrington Highway from Kaulawaha Road to Lualualei Homestead Road - approx. 6,470 lin. ft. Install 8-inch mains and appurtenances along Old Government Road from Farrington Highway to Plantation Road - approx. 1,200 lin. ft.	P&E	690,000	-	-	690,000	
35. Moiliili Water System Improvements, Part IV	Install 12-inch mains and appurtenances along Kapiolani Boulevard from Date Street to Kaimuki Avenue - approx. 2,400 lin. ft. Install 8-inch mains and appurtenances along University Avenue from Kapiolani Boulevard to Hihiwai Street, along Hihiwai Street from University Avenue to Kamoku Street, along Lauiki Street from Hihiwai Street to Kamoku Street and along Kamoku Street from Hihiwai Street to Kapiolani Boulevard - approx. 3,535 lin. ft.	P&E	450,000	-	-	450,000	
36. Kamehameha Heights Water System Improvements, Part III	Install 8-inch mains and appurtenances along Kealia Drive from Kapalama Avenue to Hillcrest Street, along Hillcrest Street from Kealia Drive to Skyline Drive, along Naio Street from Kealia Drive to end, along Makanani Drive from Naio Street to Lolena Street, along Skyline Drive from Hillcrest Street to Puna Street, along Puna Street from Aulii Street to end, along Aulii Street from Makanani Drive to Kealakai Street, along Kula Street from Lolena Street to Kealakai Street and along Lolena Street from Makanani Drive to Kealakai Street, and - approx. 10,160 lin. ft.	P&E	750,000			750,000	

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
37.	Pipeline Tunnel Renovation at Various Locations	Renovate pipeline and tunnel at Keanu, Halawa, Makapuu and Ruger Tunnels	P&E	200,000			200,000
38.	Fire Hydrant Installations at Various Locations	Fire hydrant installations at various locations.	P&E	100,000	-	-	100,000
39.	Water Main Installation & Replacement	Install and replace water mains at various locations.	P&E	100,000	-	-	100,000
II C. Pipelines - Total				<u>12,890,000</u>	<u>-</u>	<u>12,350,000</u>	<u>25,240,000</u>
D. Treatment							
II D. Treatment - Total				<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
E. Facilities							
40.	Slope Stabilization at Various Facilities	Slope Stabilization at Hahaione 500, Kalama 170, Kamehame 500 and Waialae Iki 1080 Reservoir Sites	Const	3,200,000			3,200,000
41.	Nuuanu Reservoir No. 4 Dam Improvements	Rehabilitate reservoir intake structure.	Const	1,500,000			1,500,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
42.	Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	Const	3,000,000			3,000,000
43.	2-Way Radio Upgrades	Convert analog to digital for security and extended coverage	Const	750,000			750,000
44.	Microbiological Laboratory Air Conditioning Upgrade	Install microbiological lab air conditioning improvements	Const	740,000			740,000
45.	RTU Upgrades	Replace obsolete RTUs. Existing RTUs do not support wireless system communications	Const	1,500,000			1,500,000
47.	Storm Water Management Plan Improvements	Install improvements to eliminate pollutant runoff from BWS corporation yards	Const	600,000			600,000
48.	Kailua Iwi Kupuna Reinterment	Construct site improvements for reinterment	Const	100,000			100,000
49.	Security Fencing at Various Locations	Install expanded metal fencing at selected BWS facilities.	Const	600,000			600,000
50.	Renovate/Replace Reservoir Altitude Valve Assemblies - Makiki & Waialae Iki 180 Reservoir	Install improvements at Makiki 180 and Waialae Iki 180 Reservoir sites	P&E	100,000			100,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
51.	Nuuanu Reservoir No. 1 Dam Improvements	Prepare environmental assessment, plans, specifications and permits for improvements to Nuuanu Reservoir No. 1 (TMK 1-9-001:001)	P&E	500,000			500,000
52.	Website Redesign	Redesign internal and external website for additional features and functions and to leverage	P&E	455,000			455,000
53.	RTU Upgrades	Replace obsolete RTUs. Existing RTUs do not support wireless system communications	P&E	200,000			200,000
54.	Security Fencing at Various Locations	Install expanded metal fencing at selected BWS facilities.	P&E	200,000			200,000
55.	Facility Repair and Renovation	Repair, renovation, reroofing, fencing and repainting of selected BWS facilities.	P&E	500,000			500,000
56.	Customer Information System	CIS support and managed services	P&E	3,000,000			3,000,000
57.	Computerized Maintenance Management System	Install computerized maintenance management system software to improve system performance and adhere to operational best practices.	P&E	2,375,000			2,375,000
58.	Nalu Enhancement	Implement features and enhancements to the financial information system	P&E	765,000			765,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
59.	IT Project Management	Project management services for IT applications.	P&E	1,400,000			1,400,000
60.	Professional Services for BWS Projects	Obtain services of archaeologists, botanists, environmental engineers, water quality labs, planners, government agencies and others.	P&E	300,000			300,000
61.	Kronos Upgrade	Upgrade Kronos Time and Attendance system software- to improve system performance and adhere to operational best practices.	P&E	857,000			857,000
62.	Sharepoint Services and Support	Provide support services for SharePoint systems to improve system performance and adhere to operational best practices.	P&E	400,000			400,000
63.	Document Management System	Implement document management systems to improve record management storage and adhere to operational best practices.	P&E	2,000,000			2,000,000
64.	Beretania Complex Modernization	Evaluate space requirements, handicap requirements, lighting, electrical/mechanical systems, hazmat abatement and security assessment	P&E	1,000,000			1,000,000
II E. Facilities - Total				26,042,000	-	-	26,042,000
Total Category II - Renewal and Replacement				48,952,000	-	12,350,000	61,302,000

III. Capacity Expansion

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
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A. Pumps

65. Kahuku Wells Unit No. 3	Install one (1) 1.0 MGD pump, connections, emergency generator and pump building improvements at existing Kahuku Wells Station (TMK: 5-6-008:005)	P&E	220,000	-	-	220,000
66. Waialae West Well	Install one (1) 0.5 MGD pump, control building, pipeline, landscaping, irrigation system, acoustical facilities, electrical equipment, and appurtenances (TMK: 3-3-014:016)	P&E		200,000		200,000
67. Kalaeloa Desalination Facility	Post-Treatment and Renewable Energy Study to address potential water quality changes in the distribution system and evaluate renewable energy for the facility (TMK: 9-1-031:028)	P&E	300,000	-	-	300,000
III A. Pumps - Total			520,000	200,000	-	720,000

B. Reservoirs

68. Kalawahine 180 2.0 MG Reservoir, Part II	Install transmission main and appurtenances along Auwaiolimu Street from Kalawahine 180 Reservoir to Wilder Avenue and along Pensacola Street from Wilder Avenue to Kinau Street - approx. 4,660 lin. ft.	P&E	-	350,000		350,000
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Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
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III B. Reservoirs - Total

-	350,000	-	350,000
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C. Pipelines

69. Honolulu District 42-Inch Mains, Liliha to Moiliili

Feasibility study to determine the appropriate installation method(s) for Phase I and Phase II

P&E

-

400,000

-

400,000

III C. Pipelines - Total

-	400,000	-	400,000
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D. Treatment

III D. Treatment - Total

-	-	-	-
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E. Facilities

70. Security Camera Systems

Install computer network-based security camera systems (camera, lights, speakers and motion detectors) at critical pump stations and reservoirs.

Const

403,000

-

-

403,000

Board of Water Supply
Capital Improvement Program Budget
FY 2014 - 2015

Item No.	Project Title	Description	Type	Operating Fund	Special Expendable Fund	State Revolving Fund	Total
71. Project	Management information System	Formulate, install and implement project management information system. Administer and operate project management program and training.	Const	500,000	-	-	500,000
72. Security Camera Management System		Replace existing security camera management system. This system provides security video monitoring, alarming, recording, search and playback software	P&E	500,000	-	-	500,000
73. Wireless & Security Camera System Upgrades		Replace existing wireless and security camera systems	Const	200,000	-	-	200,000
III E. Facilities - Total				1,603,000	-	-	1,603,000
Total Category III - Capacity Expansion				2,123,000	950,000.00	-	3,073,000
Total Categories I - III				54,305,000	950,000	12,850,000	68,105,000
Construction Cost Index Adjustment				3,171,300	-	1,235,000	4,406,300
Contract Adjustment Account				3,000,000	-	-	3,000,000
FY2014 - 2015 Capital Improvement Program Total				60,476,300	950,000	14,085,000	75,511,300

"May 27, 2014

TOPICS FOR
FUTURE
BOARD
MEETINGS

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

Chair 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.

There is one pending topic that was requested by the Board, which is the Effects of Sea Level Rise to BWS's operations, which will be presented at the June 23, 2014 Board meeting.

Respectfully submitted,

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

DISCUSSION:

Mr. Wong requested an update of the Request for Proposals for the Redevelopment of the Beretania property at BWS project. Ms. Cypher requested periodic updates of the status of the Navy's Red Hill Underground Fuel Storage Facility leak. Mr. Miyashiro stated that given the magnitude of the potential consequences, he would like monthly updates on this as an item for information. Ms. Cypher questioned if the recent Tripler situation should be included in the Red Hill update. Mr. Lau stated that they could call it the Moanalua and Waimalu aquifer systems update so it could cover Red Hill, Tripler, or any other development that may occur.

Mr. Miyashiro reminded the Board members that this is not the only opportunity to get items on the agenda. He welcomed the members to contact him or Mr. Lau at any time if they wanted to include an item on the agenda.

"May 27, 2014

REQUEST
BOARD
POSITION ON
RESOLUTION
14-63

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

Chair and Members:

Subject: Chief Engineer to Report on Proposed City Council
Resolution 14-63 and Request Board Position on the
Same, if any

The department testified at the Executive Matters and Legal Affairs (EMLA) Committee on May 20, 2014 on the proposed City Council Resolution 14-63 (Resolution) entitled "Initiating Amendments to the Revised Charter of the City and County of Honolulu 1973, As Amended, Relating to the Board of Water Supply." After an extensive discussion, this measure was passed out of committee for a Second Reading of the full Council. Attached is a copy of the department's testimony. As you may recall, this Resolution proposes to revise the City Charter pertaining to the membership, voting authority, appointment process, and qualification requirement of the Board.

In summary, the proposed revisions to the Charter related to the Board of Water Supply are:

Membership, Voting Authority, and Appointment Process

Currently, the Board of the Honolulu Board of Water Supply consists of seven members, including two ex officio members which are the Chief Engineer of the Department of Facility Maintenance, City and County of Honolulu, and the Director of the Department of Transportation, State of Hawaii. In addition, there are five community members that are appointed by the Mayor and confirmed by the Council. Appointed members serve five year staggered terms. All seven members have voting authority.

The Resolution proposes to increase the Board to "eleven members, of which seven are appointed voting members and four are ex officio non-voting members." The ex officio members would be the "chief engineer of the department of facility maintenance of the city, two chairs of the council committees relating to transportation and to city infrastructure, and the director of transportation of the State." The seven voting community members would be appointed as follows:

1. "Three members shall be appointed by the mayor without necessity of council confirmation;
2. Three members shall be appointed by the council; and

3. One member shall be nominated by the mayor and appointed by the council.”

Terms of the seven community members would, initially, be terms varying between two to five years. The four ex officio non-voting members would not be subject to any term or time limit.

Qualification Requirement

All seven appointed community members shall have:

1. “Specific knowledge of water-related matters, with published submissions on water issues in Hawaii at the state or local level;
2. Knowledge in water management policies and practices;
3. Expertise in hydrology, geology, ground water modeling, global climate change, water distribution systems and infrastructures, and other related issues; or
4. Knowledge of island ecosystems, watershed protection, ground/surface water relationships, the impact of ground water taking on near shore marine ecosystems, with special reference to species and habitat and streams.”

In preparation for the City Council meeting in June, the department requests clarification of the Board’s position on a question raised at the committee meeting and to reaffirm its position on the proposed Charter amendment. I would appreciate clarification from the Board on their position on the following questions:

1. The EMLA Committee Chair questioned whether the Board would support an amendment to the Charter requiring that one of the five community members that are appointed by the Mayor and confirmed by the Council, be required to have experience in water resource management. This qualification requirement would be a change to the existing seven-member Board under the current version of the Charter.
2. Are there any other concerns or positions that the Board may have regarding the proposed Charter Resolution?

I would appreciate clarification of the Board’s position and responses to these questions.

Respectfully submitted,

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

Attachment”

DISCUSSION:

Mr. Lau explained to the Board that on May 20, 2014, the Executive Matters and Legal Affairs (EMLA) Committee met. After extensive discussion, they passed Resolution 14-63 off for second reading at full Council that will be considered on June 4. Mr. Lau thanked Board Chair Miyashiro and Board Vice Chair Cypher for submitting testimony and attending the May 20th meeting.

Mr. Lau informed the Board that in his discussion with the EMLA committee, he reiterated the reasons why the Department opposes this resolution. After much discussion during the EMLA meeting, Chair Ron Menor requested that the Department check with the Board on their views on amending the proposed resolution to require at least one of the five Board members, presently appointed by the Mayor, to have water resources expertise.

Discussion among the Board members and Mr. Lau included the following:

1. Mr. Miyashiro inquired if the ex-officio members from the State Department of Transportation and the City Department of Facility Maintenance (DFM) require any special technical knowledge or qualifications. Mr. Lau responded that the DFM Director is required to be a licensed engineer.
2. Mr. Lau stated that currently there is no qualification requirement for the five community members of the Board.
3. Ms. Cypher shared that when she first started employment at BWS, the Deputy Manager Leroy Rathburn who had decades of experience and history with BWS, said that the Board members chosen generally had strong management backgrounds, usually in business or management so they could advise the Department on managing.
4. Mr. Lau reminded the Board that the Department has a Water Resources Division who have people with geology and engineering expertise.
5. Water Resources Program Administrator Barry Usagawa informed the Board that BWS not only works with the University of Hawaii but also collaboratively with agencies involved in resource management. Some of the agencies that the BWS works with are the Office of State Planning under the Department of Business and Economic Development and Tourism, Coastal Zone Management Program, United States Geological Survey, American Water Works Association and the Water Research Foundation.
6. Ms. McMurdo inquired about the EMLA committee's reaction towards BWS' presentations. Mr. Miyashiro, Ms. Cypher and Mr. Lau shared their opinions as to what they thought the committee members' views were.
7. Mr. Miyashiro stated that the current diversity of the Board added value to its policy-making function in exercising its collective business judgment in the best interests of the rate payers. He added that the Board has and should be able to

rely on the technical expertise of the management at BWS to disclose technical issues that the Board needs to be aware of in order to fulfill its policy-making obligation.

After extensive discussion, the Board collectively opposed a Charter Amendment to require at least one of the five Board members, presently appointed by the Mayor, to have water resources expertise. Mr. Miyashiro agreed to write testimony to support this opposition.

**MOTION TO
OPPOSE**

Chair Miyashiro called for a motion to oppose a Charter Amendment to require at least one of the five Board members, presently appointed by the Mayor, to have water resources expertise. Mahealani Cypher and Theresia McMurdo motioned and seconded, respectively, and the motion was unanimously carried.

A CHARTER AMENDMENT REQUIRING AT LEAST ONE OF THE FIVE BOARD MEMBERS, PRESENTLY APPOINTED BY THE MAYOR, TO HAVE WATER RESOURCES EXPERTISE, WAS OPPOSED AT THE MAY 27, 2014 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO	X		
ADAM C. WONG	X		
DAVID C. HULIHEE	X		
ROSS S. SASAMURA			ABSENT
FORD N. FUCHIGAMI			ABSENT

BOARD OF WATER SUPPLY

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



May 20, 2014

KIRK CALDWELL, MAYOR

DUANE R. MIYASHIRO, Chair
MAHEALANI CYPHER, Vice Chair
THERESIA C. McMURDO
ADAM C. WONG
DAVID C. HULIHEE

ROSS S. SASAMURA, Ex-Officio
FORD N. FUCHIGAMI, Ex-Officio

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

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

The Honorable Ron Menor, Chair
and Members
Committee on Executive Matters and
Legal Affairs
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Menor and Members:

SUBJECT: Board of Water Supply Position of Resolution 14-63

The Board of Water Supply (BWS) respectfully opposes City Council Resolution 14-63, which seeks to amend the Revised Charter of the City and County of Honolulu 1973, relating to the BWS. In particular, the Revised City Charter will be amended to increase the number of members on the Board of Water Supply (i.e., Board) from seven to eleven members, require the appointed members have specific technical knowledge relating to water and water systems to serve on the Board, and add two Councilmembers as ex-officio members. It would also change the process to select and appoint members to the Board.

The BWS requests that the audit by the City Auditor be completed before consideration of any amendments to the Charter pertaining to the Board of Water Supply (BWS). Resolution 13-201 FD1 (Requesting the City Auditor to Perform a Comprehensive Management and Performance Audit of the Board of Water Supply), which was unanimously supported by all nine Councilmembers, specifically requested the City Auditor to address the following question, "Whether the status and powers of the BWS as a semi-autonomous agency should be maintained." The City Auditor should be allowed to complete his audit and determine if any change to the "status and powers of the BWS" is warranted before the Council considers any proposals to amend the Charter. The City Auditor should be allowed the opportunity to determine if any changes to the makeup and size of the Board adds value and is necessary.

Additionally, since water is essential to life itself (Ka Wai Ola – Water For Life), the BWS should operate as a water utility free of the influence of politics. This was one of the major reasons for the creation of the semi-autonomous Honolulu Board of Water Supply in 1929, to remove it from politics. This was reaffirmed again in 1958 by the

The Honorable Ron Menor, Chair
and Members
May 20, 2014
Page 2

Charter Commission, which found that politics and political expediency do not have a place in the operation of the water department. Effectively, the proposed charter amendment would allow the Council to have control over four of the seven voting members and Council representation of six of the eleven Board members (i.e., two ex officio Councilmembers and four voting community members). This could allow the Council majority control over the Board.

The BWS also feels that the proposed qualification requirement is too restrictive and does not allow for appointment of community members that are representative of the broad types of customers that are served by the BWS. This could detrimentally introduce a bias in policy setting, long term planning, and strategic planning by the Board. A diverse Board that allows for widely varied backgrounds brings a broad range of expertise to the Board and is an important advantage under the current appointment process. The current Board is an example of this and it includes members with both small and large business, legal, Native Hawaiian cultural, financial, public relations and engineering expertise. In addition, the department has a Water Resources Division with expertise in water resources, hydrology, geology, water system analysis, engineering, long range planning, water conservation and watershed planning and management.

Finally, the BWS feels that a more appropriate venue to amend the Charter with a resolution of such significance on Board governance should be done through the Charter Commission. Since the Charter Commission must be convened this year in accordance with the Revised Charter of the City and County of Honolulu, 15-105 and is recognized as a constituent body which may propose amendments or draft a revised charter, we believe that their singular focus on the charter and extensive public outreach would benefit the Council and the county of Honolulu.

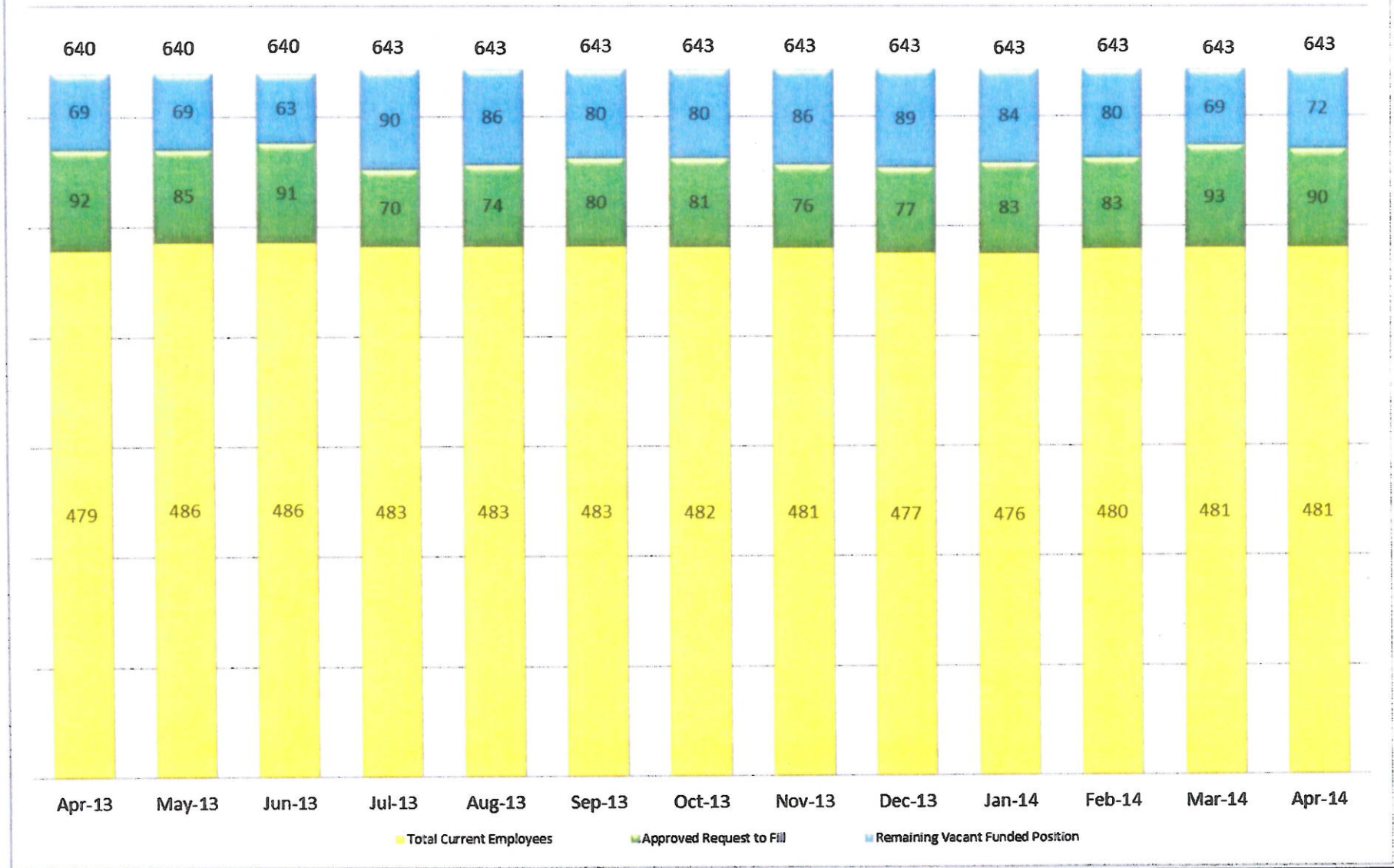
I appreciate the opportunity to provide testimony on this matter.

Very truly yours,

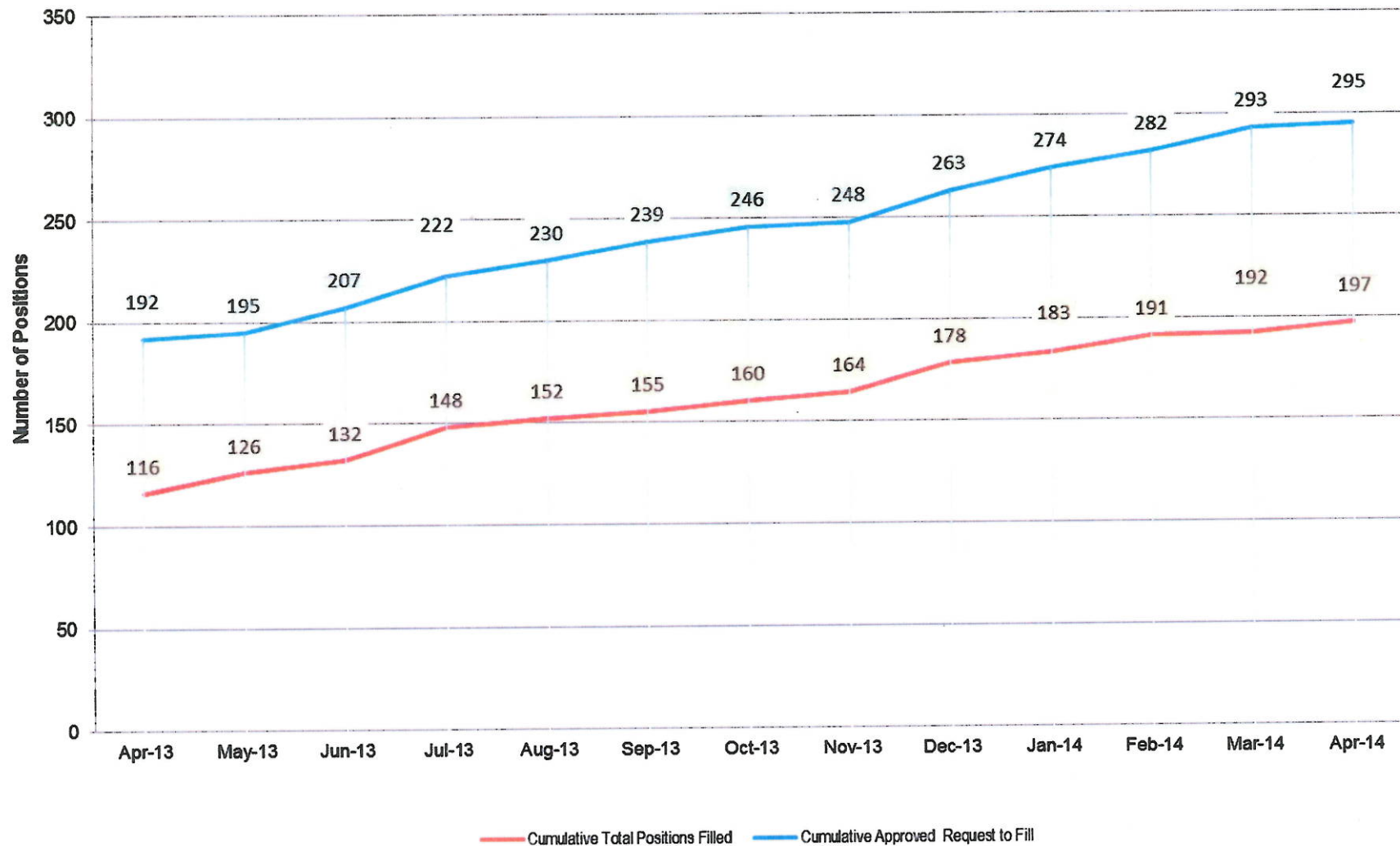
A handwritten signature in black ink, appearing to read 'Ernest Y. W. Lau', written in a cursive style.

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

Positions Filled April 1, 2013 through April 30, 2014



Cumulative Totals April 1, 2013 through April 30, 2014



DISCUSSION: Karen Tom of the Human Resources Office reported that in April, the divisions interviewed for 17 positions, 13 individuals were selected for positions, and divisions worked on interview questions for 30 positions. Lists of candidates are pending from the Department of Human Resources for four classes of work.

There were no comments or discussion.

ITEM FOR INFORMATION NO. 2

"May 27, 2014

GROUNDWATER
LEVELS

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

Chair and Members:

Subject: Status Update of Groundwater Levels at All Index
Stations

There is one aquifer index well within low groundwater status for the production week that ended on May 10, 2014. Kaimuki is under a caution status. The weekly production average for the period was 134.63 million gallons per day.

The Board of Water Supply rainfall index for the month of April 2014 was 100 percent of normal, with a 5-month moving average of 93 percent. The Hawaii Drought Monitor indicates abnormally dry conditions for western and northern Oahu, as of May 13, 2014. The National Weather Service is forecasting above normal rainfall through October 2014. Index monitor wells exhibited good recovery during the winter season. 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: There were no comments or discussion.

PUMPAGE, HEAD, AND RAINFALL REPORT

Week of 5/04/14 to 5/10/14

STATION	MGD	HEAD	STATION	MGD	HEAD	STATION	MGD	HEAD	PH (CONT)	MGD	HEAD
METRO			WINDWARD			EWA-WAIAANAE (CONT)					
KULIOUOU	0.00					MAKAHA IV	0.00		PEARL CITY II	1.40	
WAILUPE	0.00		WAIMANALO II	0.36		MAKAHA V	0.00		PEARL CITY III	0.00	
WAIALAE-IKI	0.00		WAIMANALO III	0.42		MAKAHA VI	0.64		WAIU	1.97	
AINA KOA	0.33		KUOU I	0.00		MAKAHA SHAFT	0.00	13.29	NEWTOWN	2.05	
AINA KOA II	0.34		KUOU II	0.12		KAMAILE	0.73		KAONOH I	0.77	
WAIALAE SHAFT	0.00		KUOU III	0.61		WAIAANAE I	0.26		WAIMALU I	0.00	
MANOA II	0.00		LULUKU	1.04		WAIAANAE II	0.11		AIEA	0.00	
PALOLO	1.15		HAIKU	0.36		WAIAANAE III	0.07		AIEA GULCH 497	0.43	
KAIMUKI HIGH	3.18	22.56	IOLEKAA	0.22		MAKAKILO	0.31		AIEA GULCH 550	0.08	
KAIMUKI LOW	0.89		KAHALUU	0.49		HONOULIULI I	2.64		HALAWA 277	0.85	
WILDER	7.56		WAIHEE	0.00		HONOULIULI II	6.88		HALAWA 550	0.00	
BERETANIA HIGH	3.71	22.52	KAHANA	0.65		SUBTOTAL:	12.88		KAHUMANU MTR(-)	0.00	
BERETANIA LOW	3.75		PUNALUU I	0.00	17.85	IMPORT FROM PH			KAAMILO FLO MTR (-)	0.00	
KALIHI HIGH	1.35	22.12	PUNALUU II	0.19		KAPOLEI LINE BSTR	14.20		KUNIA I	4.97	18.74
KALIHI LOW	1.95		PUNALUU III	1.13		HONOULIULI LB FLOW	0.00		KUNIA II	2.01	
KAPALAMA	0.98		KALUANUI	0.76		EWA BEACH FLOW	0.00		KUNIA III	1.40	
KALIHI SHAFT	8.44		MAAKUA	0.20		HONOULIULI I (-)	-2.64		HOAEAE	5.65	
MOANALUA	0.98	18.99	HAUULA	0.00		HONOULIULI II (-)	-6.88		EWA SHAFT	0.00	
SUBTOTAL:	34.60					SUBTOTAL:	4.68		WAIPAHU INTCON. (-)	0.00	
			KAHUKU	0.36					EWA-WAIAANAE (-)	-4.68	
IMPORT FROM PH			OPANA	0.27		PEARL HARBOR			PH LOCAL USE:	32.50	
HALAWA SHAFT	7.81	16.56	WAIALEE I	0.40		WAIHAWA	1.82		TOTAL SUBURBAN:	60.14	
KAAMILO	0.00		WAIALEE II	0.49		WAIHAWA II	1.66				
KALAUAO	9.96	17.10	SUNSET BEACH	0.00		MILILANI I	2.01		KALAUAO SPRINGS	1.20	
PUNANANI	10.44		SUBTOTAL:	8.08		MILILANI II	0.00		BARBERS POINT (NP)	3.07	
KAONOH I	0.00					MILILANI III	0.67		GLOVER TUNNEL (NP)	0.50	
WAIMALU II	0.00	15.00	WIND. EXPORT	0.14		MILILANI IV	2.01				
KAHUMANU	0.86					WAIPIO HTS.	0.40		HEAD CONDITION		
HECO WAIU	2.76		HALEIWA-WAIALUA			WAIPIO HTS. I	0.13		CAUTION	ALERT	CRITICAL
MANANA	0.49		HALEIWA	0.00		WAIPIO HTS. II	0.07		Kaimuki		
KAHUMANU FLOW MT	0.00		WAIALUA	2.15		WAIPIO HTS. III	0.90				
KAAMILO FLOW MTR	0.00		SUBTOTAL:	2.15		WAIPAHU	2.62	18.39			
TOTAL IMP/EXP WAI. INT:	0.00					WAIPAHU II	0.14				
IMPORT FRM WIND:	0.14		EWA-WAIAANAE			WAIPAHU III	1.32				
SUBTOTAL:	32.45		MAKAHA I	0.49		WAIPAHU IV	1.32				
			MAKAHA II	0.44		PEARL CITY SHAFT	0.00	14.81			
TOTAL METRO:	67.05		MAKAHA III	0.30		PEARL CITY I	0.52				

CWRM PERMITTED USE FOR BWS POTABLE SOURCES						PUMPAGE	2014	2013	GRAVITY	2014	2013
	A	B	C	D	E	SUBURB.	60.14	54.88	SUBURB.	7.01	6.14
WATER DISTRICTS	PERMITTED USE	2014	DIFF. B-A	YEAR/ DATE	DIFF. D-A	METRO	67.05	66.58	METRO	0.44	0.41
						TOTAL:	127.19	121.46	TOTAL:	7.45	6.55
HONOLULU	45.27	35.04	-10.23						Manoa	0.17	
WINDWARD	25.21	12.01	-13.20			NUUANU #5			Palolo	0.27	
NORTH SHORE	4.08	3.67	-0.41			(rainfall)	1.21"	1.08"	Waim. I&II	0.25	
WAIHAWA	4.27	3.49	-0.78						Waim. III&IV	0.19	
WAIAANAE	4.34	4.30	-0.04						Waihee incl.	1.00	
EWA-KUNIA	15.88	9.84	-6.05						Waihee tun.	2.02	
PEARL HARBOR	92.66	66.00	-26.67						Luluku	0.05	
TOTAL:	191.71	134.33	-57.38						Haiku	0.04	
									Kahaluu	1.90	
									Waia. C&C	1.40	
									Waia plant.	0.16	

DROUGHT STATUS REPORT
DRAFT IN MGD

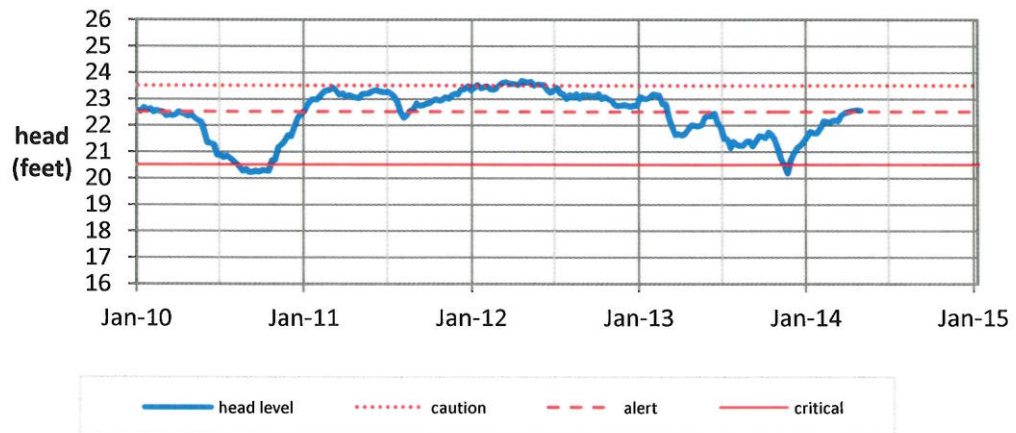
WATER USE DISTRICT	AUTHORIZED USE	2013	4/20-4/26 2014	2013	4/27-5/03 2014	2013	5/04-5/10 2014		
HONOLULU	45.27	33.10	34.43	37.55	33.15	35.92	35.18		
WINDWARD	25.21	11.44	11.57	12.64	11.49	12.47	11.87		
NORTH SHORE	4.08	3.58	3.33	3.83	3.46	3.44	3.67		
WAHIAWA	4.27	2.62	3.38	2.71	3.51	2.71	3.49		
EWA-WAIANAE	20.22	19.47	20.96	19.93	20.51	20.09	19.11		
PEARL HARBOR	92.66	54.28	59.38	53.58	62.00	53.37	61.32		
TOTAL	191.71	124.50	133.05	130.24	134.12	128.00	134.64		

Accounts for in-district pumpage and transfers

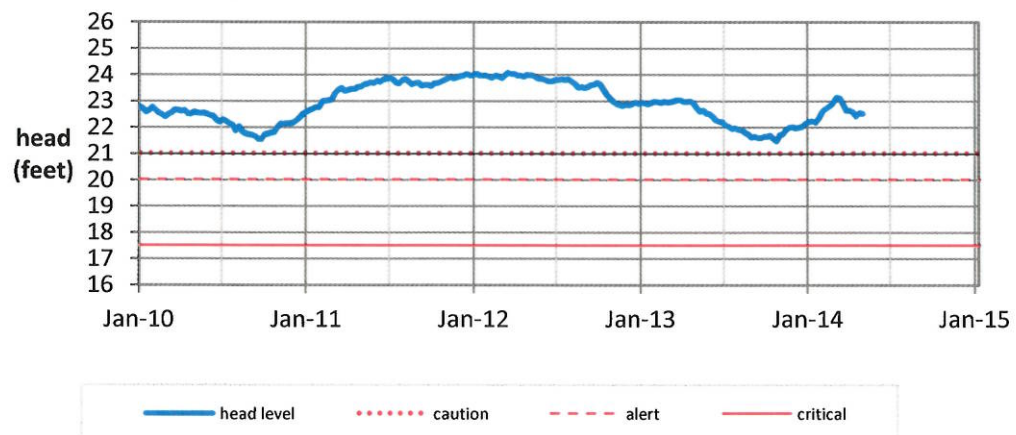
HEAD IN FEET

		2013	4/20-4/26 2014	2013	4/27-5/03 2014	2013	5/04-5/10 2014		
HONOLULU									
KAIMUKI		21.86	22.57	22.02	22.58	21.99	22.56		
BERETANIA		22.98	22.42	22.92	22.54	22.74	22.52		
KALIHI		22.26	22.21	22.26	22.15	22.23	22.12		
MOANALUA		19.03	19.09	18.98	19.06	19.00	18.99		
PEARL HARBOR									
HALAWA		16.58	16.75	16.55	16.64	16.59	16.56		
KALAUAO		17.00	17.18	17.01	17.12	17.05	17.10		
PEARL CITY		14.78	14.95	14.79	14.83	14.76	14.81		
WAIPAHAU		18.42	18.47	18.42	18.42	18.50	18.39		
KUNIA		18.74	18.75	18.72	18.79	18.80	18.74		
EWA-WAIANAE									
MAKAHA		10.02	13.01	9.81	13.16	9.89	13.29		
WINDWARD									
PUNALUU		15.71	17.87	15.68	17.85	15.81	17.85		
KALUANUI		15.55	17.91	15.66	17.87	15.73	17.76		
NORTH SHORE									
WAIALUA		11.02	10.96	11.05	11.02	11.07	11.01		

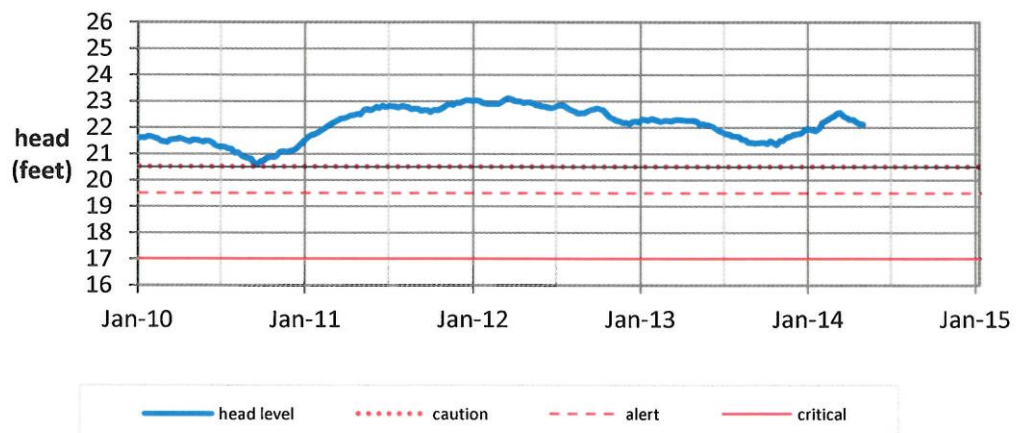
Kaimuki



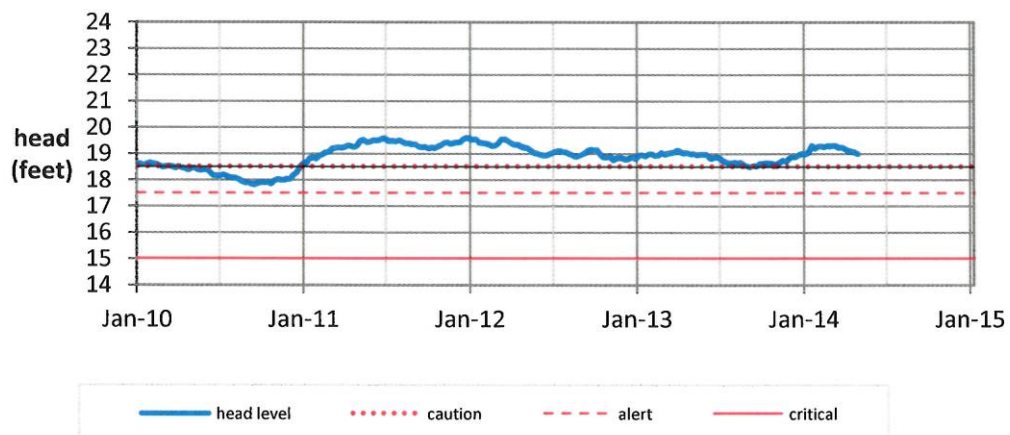
Beretania



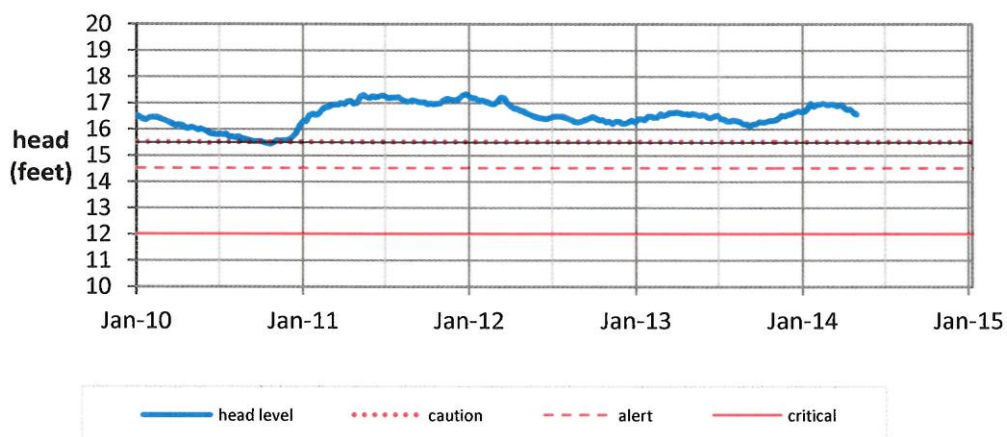
Kalihi



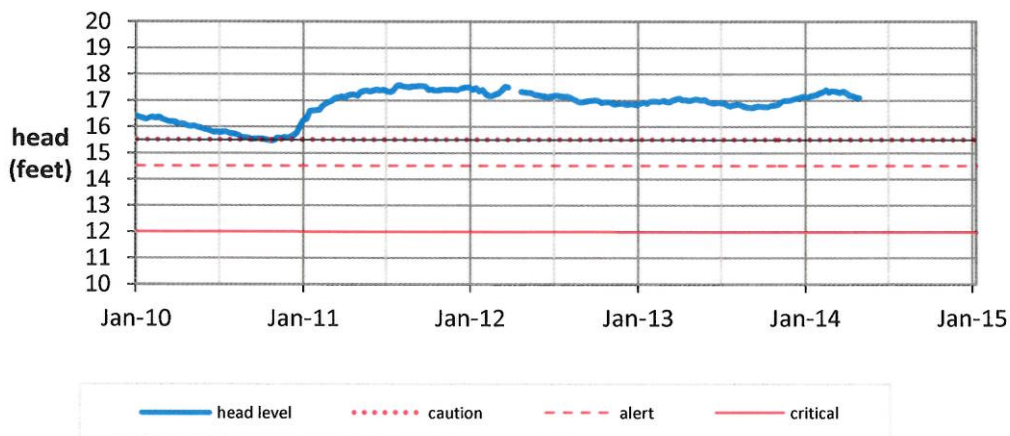
Moanalua



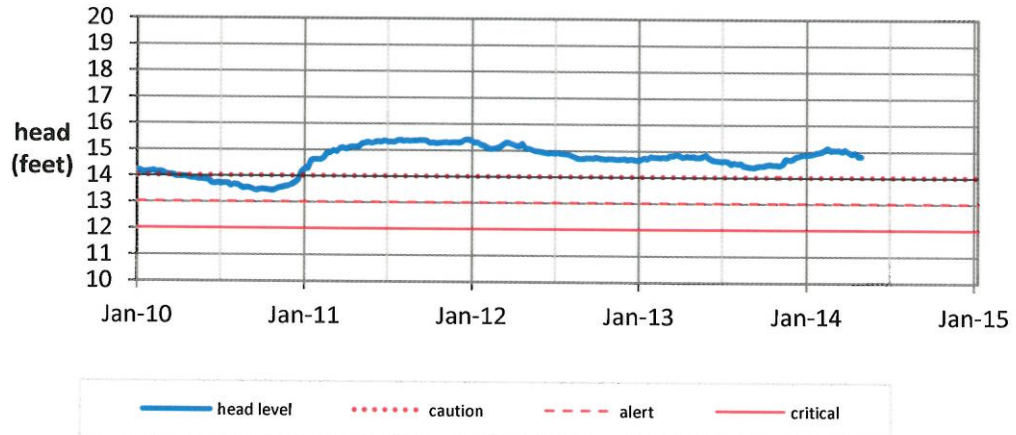
Halawa



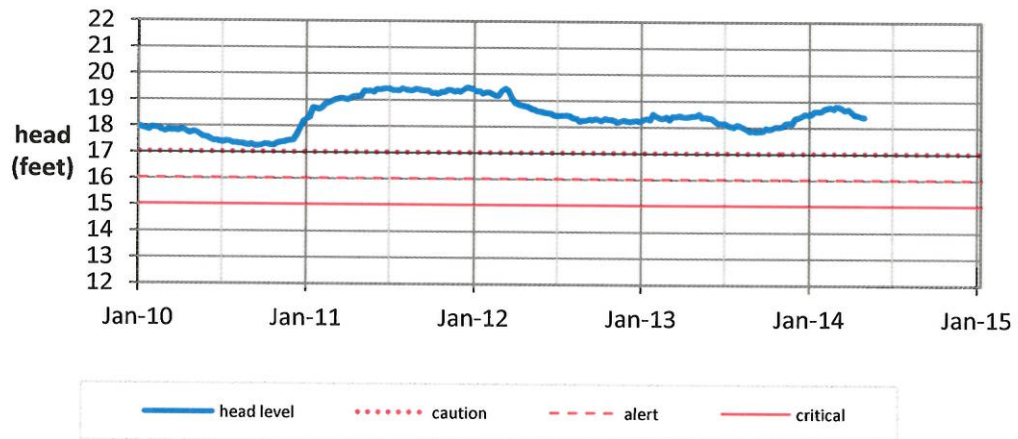
Kalauao



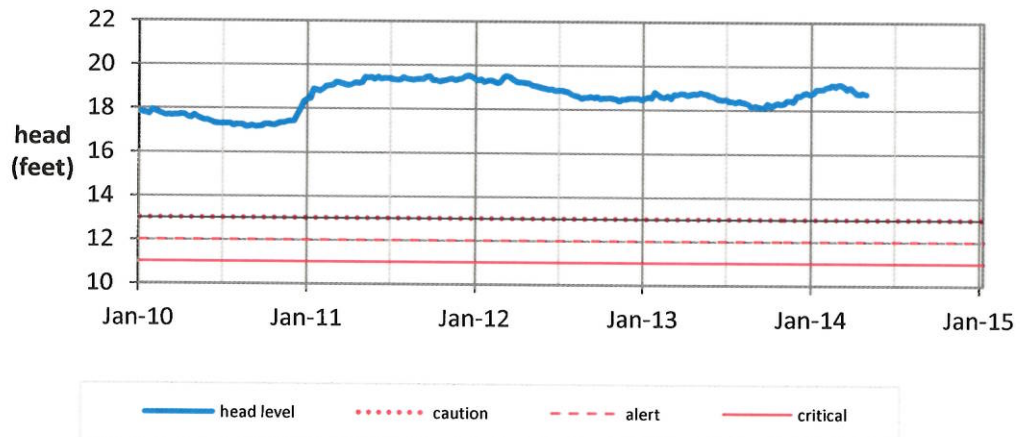
Pearl City



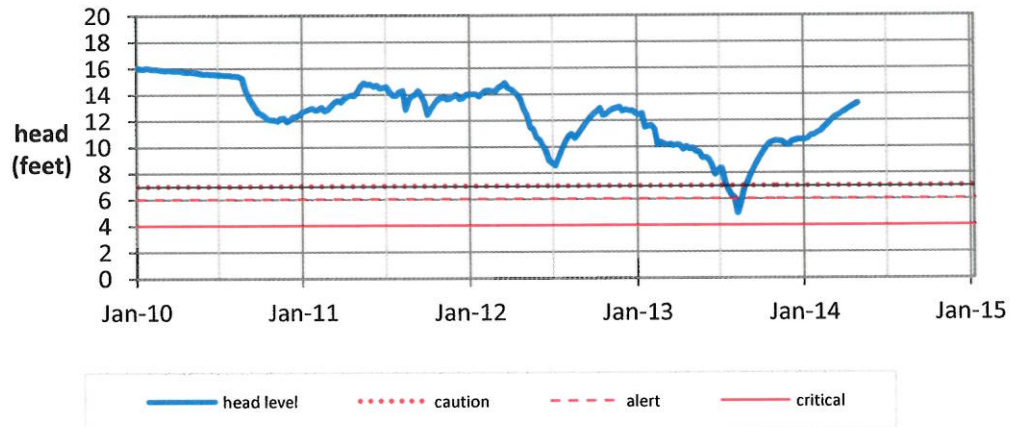
Waipahu



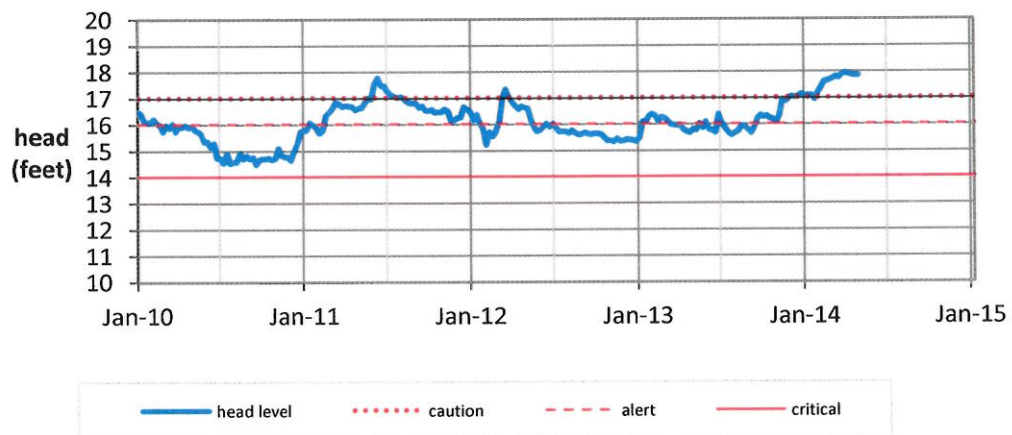
Hoaeae-Kunia



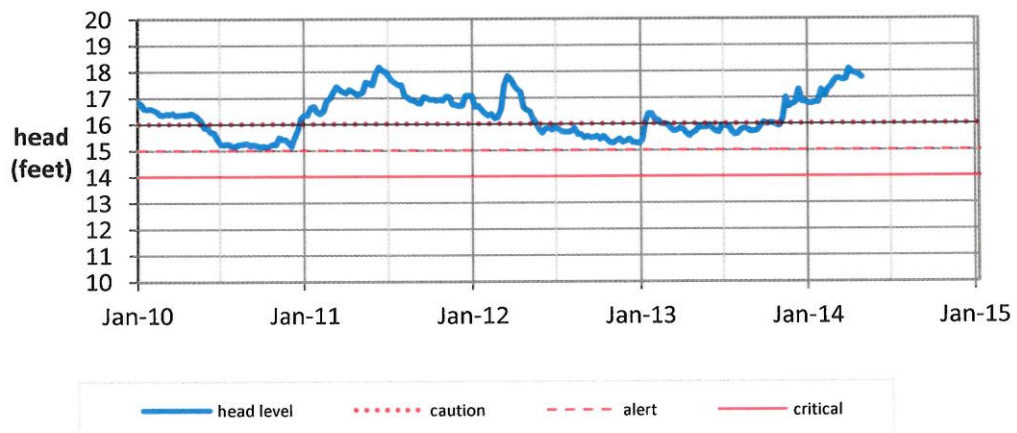
Makaha



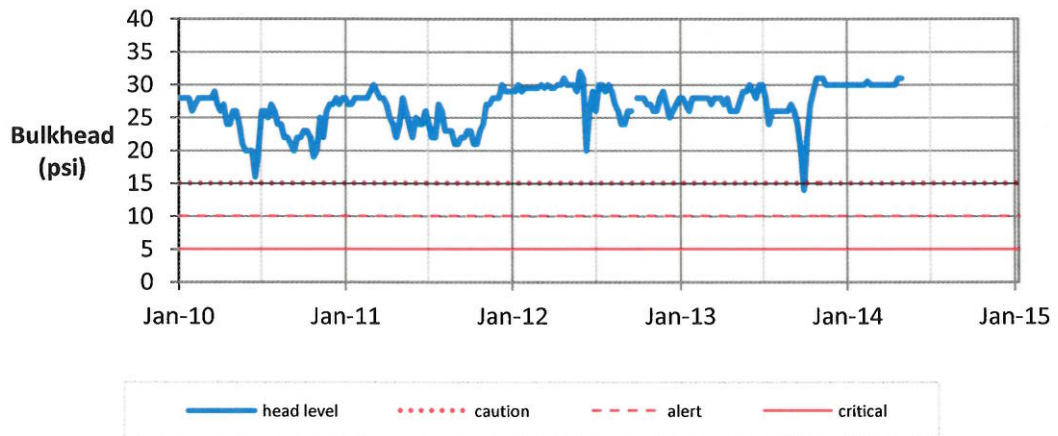
Punaluu



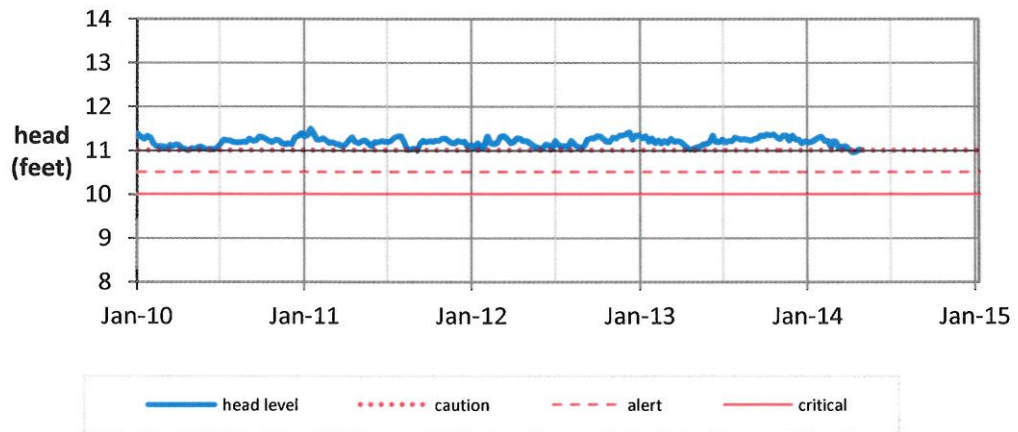
Kaluanui

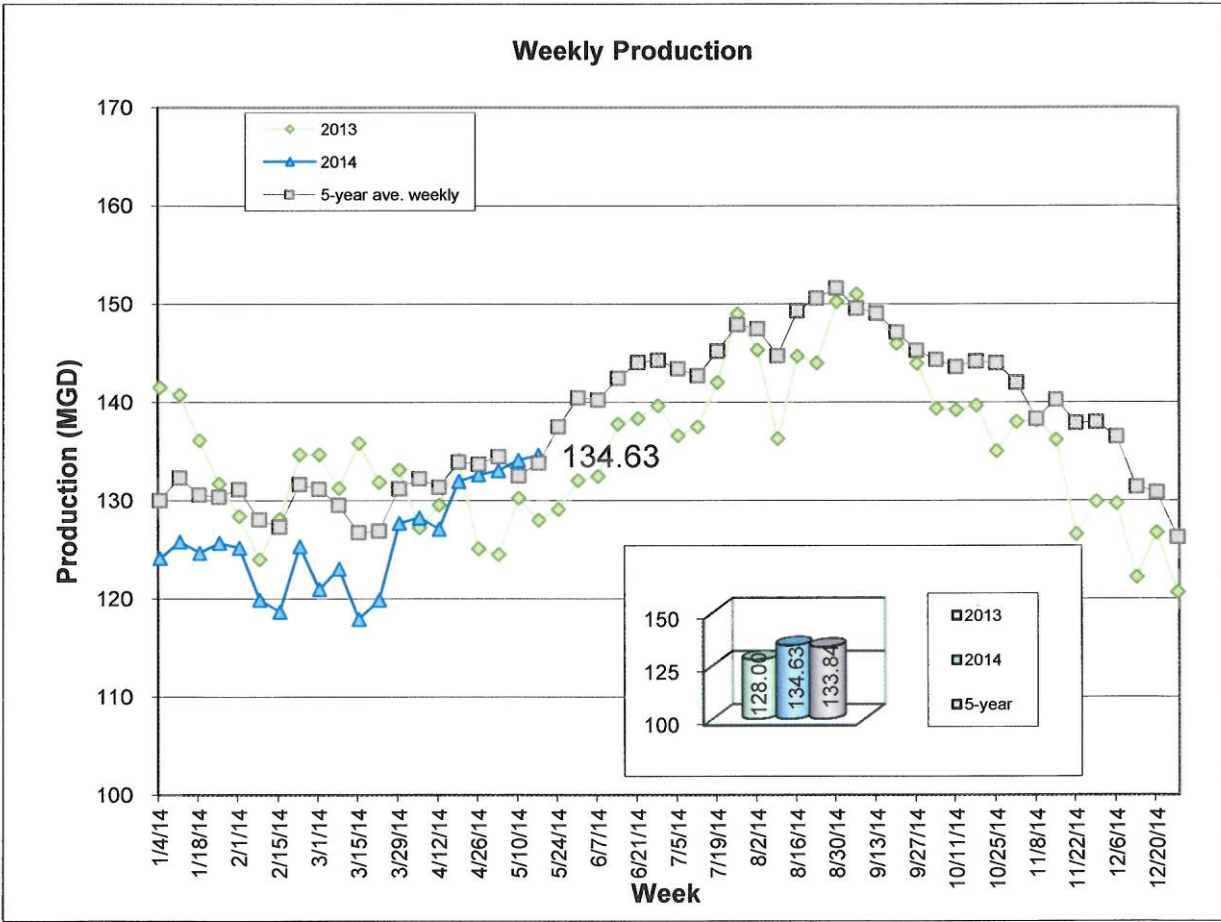
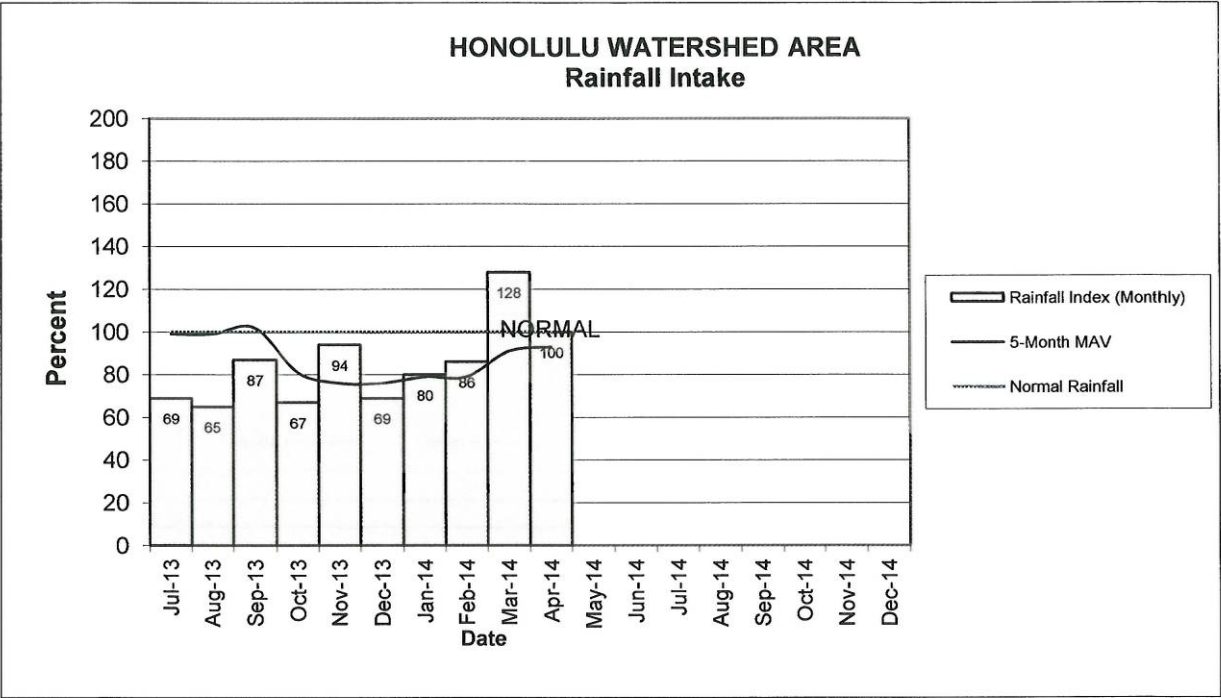


Waihee Tunnel



Waialua



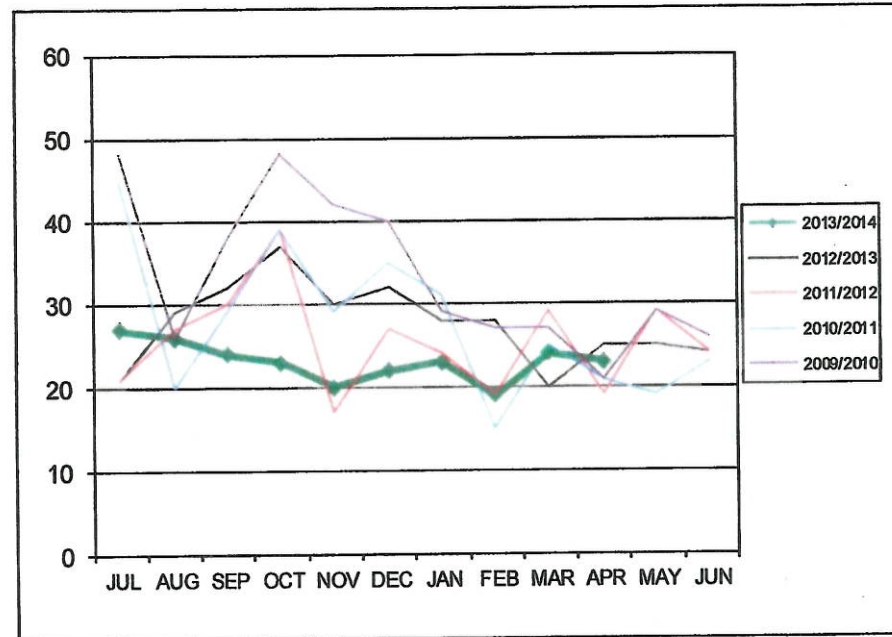


ITEM FOR INFORMATION NO. 3

WATER MAIN REPAIR REPORT
for April 2014

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2013/2014	27	26	24	23	20	22	23	19	24	23			231
2012/2013	21	29	32	37	30	32	28	28	20	25	25	24	331
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

Date	Address	Size	Cause
4/1	513 Kalolina Pl	8" C.I.	unknown
4/3	91-829A Peeone Pl	6" C.I.	corrosion
4/3	91-755B Makule Rd	8" C.I.	corrosion
4/6	87-356 Heleuma St	8" C.I.	corrosion
4/6	47-676 Hui Ulili St	8" C.I.	corrosion
4/8	5305 Malu Pl	4" C.I.	settlement
4/8	2333 Palolo Ave	8" C.I.	unknown
4/8	926 16th Ave	6" C.I.	unknown
4/10	534 Paulele St	8" A.C.	corrosion
4/11	3420 Hardesty St	8" C.I.	corrosion
4/11	44-203 Mikiola Dr	12" C.I.	corrosion
4/12	91-694 Aikanaka Rd	8" A.C.	corrosion
4/14	92-462 Akaula St	8" C.I.	corrosion
4/15	322 Keolu Dr	12" C.I.	corrosion
4/17	681 Paopua Lp	8" A.C.	joint
4/17	3113 Woodlawn Dr	8" C.I.	corrosion
4/21	53-023 Pokiwai Pl*	6" C.I.	corrosion
4/24	98-1368 Nola St	8" C.I.	corrosion
4/25	Paoakalani Ave. & Lemon Rd	12" P.V.C.	joint
4/27	99-510 Iwaiwa St	8" C.I.	bear on rock
4/27	99-420 Paihi St	8" C.I.	corrosion
4/29	740 Wanaao Rd. & Pl	6" A.C.	unknown
4/29	94-837 Waipahu St	12" C.I.	corrosion



Bold * - Pro-active Leak Repair

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

DISCUSSION:

Field Operations Program Administrator Daryl Hiromoto announced that so far for the month of May, there are already over 25 main breaks.

Ms. Cypher inquired about the BWS employee who got hurt during a main break repair. Mr. Hiromoto explained that it wasn't through negligence but it was purely an accident. Mr. Hiromoto assured the Board that they will revisit their procedures and work with OSHA to ensure safety. Mr. Lau added that they will work on improving processes in how they do their work and stated it is of high priority.

Mr. Hulihee asked for clarification of "bear on rock." Mr. Hiromoto explained that in the older installations, standards may have been different from what is followed today. Often what is seen in older installations is that they would excavate, lay the pipe and throw back the same rock material.

MOTION TO
ADJOURN

There being no further business Chair Miyashiro at 3:30 PM called for a motion to adjourn the Open Session. David Hulihee so moved; seconded by Adam Wong and unanimously carried.

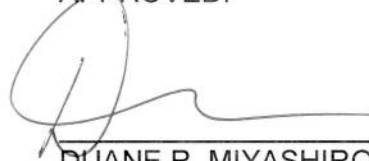
THE MINUTES OF THE PUBLIC HEARING AND REGULAR SESSION BOARD MEETING ON MAY 27, 2014 WERE APPROVED AT THE JUNE 23, 2014 BOARD MEETING			
	AYE	NO	COMMENT
DUANE R. MIYASHIRO	X		
MAHEALANI CYPHER	X		
THERESIA C. MCMURDO			ABSENT
ADAM C. WONG			ABSENT
DAVID C. HULIHEE	X		
ROSS S. SASAMURA	X		
FORD N. FUCHIGAMI			ABSENT

Respectfully submitted,



LISA K. KIM

APPROVED:



DUANE R. MIYASHIRO
Chair of the Board

JUN 23 2014

Date